



ÅRSREGNSKAPET FOR REGNSKAPSÅRET 2023 - GENERELL INFORMASJON

Enheten

Organisasjonsnummer:	934 863 909
Organisasjonsform:	Aksjeselskap
Foretaksnavn:	LINDE GAS AS
Forretningsadresse:	Gjerdrums vei 8 0484 OSLO

Regnskapsår

Årsregnskapets periode:	01.01.2023 - 31.12.2023
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Konsern

Morselskap i konsern:	Ja
Konsernregnskap lagt ved:	Nei

Regnskapsregler

Regler for små foretak benyttet:	Nei
Benyttet ved utarbeidelsen av årsregnskapet til selskapet:	Regnskapslovens alminnelige regler

Årsregnskapet fastsatt av kompetent organ

Bekreftet av representant for selskapet:	Erik Simonsen
Dato for fastsettelse av årsregnskapet:	13.06.2024

Grunnlag for avgivelse

År 2023: Årsregnskapet er elektronisk innlevert
År 2022: Tall er hentet fra elektronisk innlevert årsregnskap fra 2023

Det er ikke krav til at årsregnskapet m.v. som sendes til Regnskapsregisteret er undertegnet. Kontrollen på at dette er utført ligger hos revisor/enhetens øverste organ. Sikkerheten ivaretas ved at innsender har rolle/rettighet for innsending av årsregnskapet via Altinn, og ved at det bekreftes at årsregnskapet er fastsatt av kompetent organ.

Brønnøysundregistrene, 11.07.2025



Resultatregnskap

Beløp i: NOK	Note	2023	2022
RESULTATREGNSKAP			
Inntekter			
Salgsinntekt	1	2 042 396 000	1 824 240 000
Annen driftsinntekt		0	0
Sum inntekter		2 042 396 000	1 824 240 000
Kostnader			
Varekostnad		441 223 000	427 959 000
Lønnskostnad	2	275 969 000	246 500 000
Avskrivning på varige driftsmidler og immaterielle eiendeler	4	94 765 000	89 263 000
Annen driftskostnad	3,5	651 475 000	564 505 000
Sum kostnader		1 463 432 000	1 328 227 000
Driftsresultat		578 964 000	496 013 000
Finansinntekter og finanskostnader			
Inntekt på investering i datterselskap og tilknyttet selskap	6	5 097 000	2 055 000
Renteinntekt fra foretak i samme konsern		17 653 000	6 220 000
Annen renteinntekt		2 326 000	938 000
Sum finansinntekter		25 076 000	9 213 000
Annen rentekostnad	7	633 000	374 000
Annen finanskostnad		637 000	606 000
Sum finanskostnader		1 270 000	980 000
Netto finans		23 806 000	8 233 000
Ordinært resultat før skattekostnad		602 770 000	504 246 000
Skattekostnad på ordinært resultat	8	134 560 000	108 901 000
Ordinært resultat etter skattekostnad		468 210 000	395 345 000
Årsresultat		468 210 000	395 345 000
Overføringer og disponeringer			
Ordinært utbytte		450 000 000	380 000 000
Overføringer til/fra annen egenkapital		18 210 000	15 344 000



Resultatregnskap

Beløp i: NOK	Note	2023	2022
Sum overføringer og disponeringer		468 210 000	395 344 000



Balanse

Beløp i: NOK	Note	2023	2022
BALANSE - EIENDELER			
Anleggsmidler			
Immaterielle eiendeler			
Varige driftsmidler			
Tomter, bygninger og annen fast eiendom	4	22 656 000	22 659 000
Maskiner og anlegg	4	623 242 000	630 727 000
Sum varige driftsmidler		645 898 000	653 386 000
Finansielle anleggsmidler			
Investering i datterselskap		613 000	613 000
Investeringer i tilknyttet selskap	6	13 476 000	8 378 000
Andre fordringer		1 305 000	4 393 000
Sum finansielle anleggsmidler		15 394 000	13 384 000
Sum anleggsmidler		661 292 000	666 770 000
Omløpsmidler			
Varer			
Varer	9	82 691 000	111 346 000
Sum varer		82 691 000	111 346 000
Fordringer			
Kundefordringer	5,10	287 004 000	251 660 000
Andre fordringer		9 329 000	8 249 000
Konsernfordringer		683 324 000	510 720 000
Sum fordringer		979 657 000	770 629 000
Bankinnskudd, kontanter og lignende			
Bankinnskudd, kontanter og lignende	12	13 528 000	16 300 000
Sum bankinnskudd, kontanter og lignende		13 528 000	16 300 000
Sum omløpsmidler		1 075 876 000	898 275 000
SUM EIENDELER		1 737 168 000	1 565 045 000



Balanse

Beløp i: NOK	Note	2023	2022
BALANSE - EGENKAPITAL OG GJELD			
Egenkapital			
Innskutt egenkapital			
Selskapskapital		50 000 000	50 000 000
Sum innskutt egenkapital		50 000 000	50 000 000
Opptjent egenkapital			
Annen egenkapital		520 563 000	502 354 000
Sum opptjent egenkapital		520 563 000	502 354 000
Sum egenkapital	13	570 563 000	552 354 000
Gjeld			
Langsiktig gjeld			
Pensjonsforpliktelser	2	1 222 000	1 222 000
Utsatt skatt	8	29 794 000	50 457 000
Andre avsetninger for forpliktelser	14	38 826 000	35 125 000
Sum avsetninger for forpliktelser		69 842 000	86 804 000
Annen langsiktig gjeld			
Sum langsiktig gjeld		69 842 000	86 804 000
Kortsiktig gjeld			
Betalbar skatt	8	150 525 000	116 587 000
Skyldige offentlige avgifter		77 851 000	64 939 000
Utbytte		450 000 000	380 000 000
Kortsiktig konserngjeld		67 738 000	9 924 000
Annen kortsiktig gjeld	14	350 648 000	354 437 000
Sum kortsiktig gjeld		1 096 762 000	925 887 000
Sum gjeld		1 166 604 000	1 012 691 000
SUM EGENKAPITAL OG GJELD		1 737 167 000	1 565 045 000
POSTER UTENOM BALANSEN			
Garantistillelser	10	26 143 000	24 648 000



Balanse

Beløp i: NOK	Note	2023	2022
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Brønnøysundregistrene

ÅRSREGNSKAP FOR REGNSKAPSÅRET 2023 - GENERELL INFORMASJON

Journalnummer: 2024 640048

Enheten

Organisasjonsnummer: 934 863 909
Organisasjonsform: Aksjeselskap
Foretaksnavn: LINDE GAS AS
Forretningsadresse: Gjerdrums vei 8
0484 OSLO

Regnskapsår

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Konsernregnskap lagt ved: Nei

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Regler for små foretak benyttet: Nei
Benyttet ved utarbeidelsen av
årsregnskapet til selskapet: Regnskapslovens alminnelige regler

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Brønnøysundregistrene, 17.07.2024



Organisasjonsnr: 934 863 909
LINDE GAS AS

RESULTATREGNSKAP

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LINDE GAS AS

BALANSE

Beløp i: NOK Note 2023 2022

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Sum anleggsmidler 661 292 000 666 770 000

Omløpsmidler

Varer

Varer	9	82 691 000	111 346 000
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Fordringer

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BALANSE - EGENKAPITAL OG GJELD

Egenkapital

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LINDE GAS AS

NOTEOPPLYSNINGER - SELSKAP - alle poster oppgitt i hele tall

Note
0

Regnskapsprinsipper

NOTE 0 - GRUNNLEGGENDE REGNSKAPSPRINSIPPER ? VURDERING OG KLASSIFISERING ?
ANDRE FORHOLD Årsregnskapet består av resultatregnskap, balanse, kontantstrømoppstilling og noteopplysninger og er avlagt i samsvar med aksjelov, regnskapslov og god regnskapsskikk i Norge gjeldende per 31. desember 2023. Årsregnskapet gir et rettviseende bilde av eiendeler og gjeld, finansiell stilling og resultat. Notene er en integrert del av årsregnskapet. Årsregnskapet er basert på de grunnleggende prinsipper om historisk kost, sammenlignbarhet, fortsatt drift, kongruens og forsiktighet. Transaksjoner regnskapsføres til verdien på transaksjonstidspunktet. Inntekter resultatføres når de er opptjent og kostnader sammenstilles med opptjente inntekter. Regnskapsprinsippene utdypes nedenfor. Linde Gas AS eier selskapet Norgas AS. Norgas AS driver ikke virksomhet. Konsernregnskap utarbeides ikke da datterselskapet ikke er av betydning for å bedømme konsernets stilling og resultat. Generelle prinsipper Eiendeler/gjeld som knytter seg til varekretsløpet og poster som forfaller til betaling innen ett år etter balansedagen er klassifisert som omløpsmidler/kortsiktig gjeld. Vurdering av omløpsmidler/kortsiktig gjeld skjer til laveste/høyeste verdi av anskaffelseskost og virkelig verdi. Øvrige eiendeler/gjeld er klassifisert som henholdsvis anleggsmidler/langsiktig gjeld. Anleggsmidler vurderes til anskaffelseskost. Anleggsmidler som forringes avskrives. Dersom det finner sted en verdiendring som ikke er forbigående, foretas en nedskrivning av anleggsmidlet. Tilsvarende prinsipper er lagt til grunn for gjeldspostene. Ved anvendelse av regnskapsprinsipper og presentasjon av transaksjoner og andre forhold, legges det vekt på økonomiske realiteter, ikke bare juridisk form. Betingede tap som er sannsynlige og kvantifiserbare kostnadsføres. Når faktiske tall ikke er tilgjengelige på tidspunkt for regnskapsavleggelsen, tilsier god regnskapsskikk at ledelsen beregner et best mulig estimat for bruk i resultatregnskap og balanse. Det kan forekomme avvik mellom estimerte og faktiske tall. Regnskapsprinsipper for vesentlige regnskapsposter Inntektsføringstidspunkt Inntekt resultatføres når den er opptjent. Inntektsføring skjer følgelig normalt på leveringstidspunktet ved salg av varer og tjenester. Driftsinntektene er fratrukket merverdiavgift, rabatter og bonuser. Kostnadsføringstidspunkt / sammenstilling Utgifter sammenstilles med og kostnadsføres samtidig med de inntekter utgiftene kan henføres til. Utgifter som ikke kan henføres direkte til inntekter, kostnadsføres når de påløper. Fra og med 01.01.2012 har Linde Gas AS endret prinsipp for periodisk 10 års vedlikehold av gassflasker fra å bli løpende kostnadsført til å bli aktivert. Vedlikeholdet innebærer skifte av ventiler samt rengjøring. Vedlikeholdet er påkrevet for at gassflaskene fortsatt kan brukes. Gassflaskene skrives av over 20 år, mens vedlikeholdet skrives av over 10 år. Andre driftsinntekter/-kostnader Vesentlige inntekter og kostnader som ikke har sammenheng med den ordinære virksomheten, klassifiseres som andre driftsinntekter og ?kostnader. Behandling av felleskontrollert virksomhet Med felleskontrollert virksomhet menes virksomhet der selskapet, sammen med ett eller flere andre selskap, i fellesskap kontrollerer virksomheten. Felleskontrollert virksomhet innarbeides etter egenkapitalmetoden. Selskapets andel av resultatet i en felleskontrollert virksomhet er basert på resultat etter skatt i den felleskontrollerte virksomheten med fradrag for eventuelle avskrivninger på merverdier som skyldes at kostpris på eierandelene var høyere enn den ervervede andel av bokført egenkapital. I resultatregnskapet er andel av



resultatet i den felleskontrollerte virksomheten vist under finansposter. I balansen vises eierandeler i den felleskontrollerte virksomheten under anleggsmidler. Varige driftsmidler Varige driftsmidler Varige driftsmidler føres i balansen til anskaffelseskost, fratrukket akkumulerte av- og nedskrivninger. Dersom den virkelige verdien av et driftsmiddel er lavere enn bokført verdi, og dette skyldes årsaker som ikke antas å være forbigående, skrives driftsmidlet ned til virkelig verdi. Utgifter til periodisk vedlikehold og reparasjoner på produksjonsutstyr periodiseres. Utgifter forbundet med normalt vedlikehold og reparasjoner blir løpende kostnadsført. Utgifter til større utskiftninger og fornyelser som øker driftsmidlenes levetid vesentlig aktiveres. Driftsmidler som erstattes kostnadsføres. Et driftsmiddel anses som varig dersom det har en viss økonomisk levetid, samt en vesentlig kostpris. Renter som knytter seg til anlegg under oppføring blir aktivert som en del av kostprisen. Avskrivninger Ordinære avskrivninger er beregnet lineært over driftsmidlenes økonomiske levetid med utgangspunkt i historisk kostpris. Tilsvarende prinsipper legges til grunn for immaterielle eiendeler. Avskrivningene er klassifisert som ordinære driftskostnader. Finansielle eiendeler Investeringer i aksjer og andeler, klassifisert som anleggsmidler, vurderes samlet til det laveste av gjennomsnittlig anskaffelseskost og markedsverdi. Sikringsbokføring Linde Gas AS benytter sikringsbokføring bare når det foreligger en direkte økonomisk sammenheng mellom sikringsinstrumentet og de underliggende sikrede transaksjoner. Valuta Pengeposter i utenlandsk valuta er vurdert til kursen ved regnskapsårets slutt. Varelager og varekostnad Beholdninger av varer vurderes til det laveste av kostpris etter ?først inn ? først ut? ?prinsippet og antatt salgspris. Kostpris for tilvirkede varer er direkte materialer, direkte lønn samt andel av indirekte tilvirkningskostnader, mens kostpris for innkjøpte varer er anskaffelseskost. Årets varekostnad består av kostpris solgte varer med tillegg av nedskrivning i samsvar med god regnskapsskikk per årsslutt. Fordringer Fordringer er oppført til pålydende med fradrag for forventede tap. Pensjonsforpliktelser og pensjonskostnad Selskapet har med virkning fra 31.12.2016 avviklet den ytelsesbaserte pensjonsordningen for alle aktive ansatte som fra 1.1.2017 er flyttet over til ordningen for innskuddsbasert pensjon. Gjenstående pensjonsforpliktelser er knyttet opp mot pensjonister og uføre. Gjenstående pensjonsmidler vurderes til virkelig verdi. Netto pensjonsforpliktelser består av brutto pensjonsforpliktelse fratrukket virkelig verdi av pensjonsmidler. Endringer i pensjonsforpliktelsen og pensjonsmidlene som skyldes endringer i og avvik mot beregningsforutsetningene (estimatendringer) føres mot egenkapital. Netto pensjonskostnad, som er brutto pensjonskostnad fratrukket estimert avkastning på pensjonsmidlene, korrigerert for fordelt virkning av endringer i estimer og pensjonsplaner, klassifiseres som ordinær driftskostnad, og er presentert sammen med lønn og andre ytelser. Utsatt skatt og skattekostnad Utsatt skatt beregnes på bakgrunn av midlertidige forskjeller mellom regnskapsmessige og skattemessige verdier ved utgangen av regnskapsåret. Ved beregningen benyttes nominell skattesats. Positive og negative forskjeller vurderes mot hverandre innenfor samme tidsintervall. Utsatt skattefordel oppstår dersom en har midlertidige forskjeller som gir opphav til skattemessige fradrag i fremtiden. Årets skattekostnad består av endringer i utsatt skatt og utsatt skattefordel, sammen med betalbar skatt for inntektsåret. Kontantstrømpoppstilling Kontantstrømpoppstillingen er utarbeidet etter den indirekte metoden. Kontanter og kontantekvivalenter omfatter kontanter, bankinnskudd og andre kortsiktige, likvide plasseringer som umiddelbart og med uvesentlig kursrisiko kan konverteres til kjente kontantbeløp og med forfallsdato kortere enn tre måneder fra anskaffelsesdato. Pensjonsforpliktelser De ansattes pensjonsordninger gjennom 2023 har bestått av en innskuddsordning (ITP). Ordningen oppfyller krav iht. Lov om obligatorisk tjenestepensjon. Det som nå fremkommer under pensjonsforpliktelser ved utgang 2023 er en regulering av pensjoner under utbetaling som ble foretatt i 2003. Nåverdien av denne er beregnet til kr. 1.222.272,-.

Note

2

Antall årsverk i regnskapsåret



216.20

Note

2

Spesifisering av resultatregnskapet

Lønnskostnader

<u>Lønn</u>	<u>Årets</u>	<u>Fjorårets</u>
	197321000.00	185553000.00
<u>Folketrygdavgift</u>	<u>Årets</u>	<u>Fjorårets</u>
	30738000.00	26540000.00
<u>Pensjonskostnader</u>	<u>Årets</u>	<u>Fjorårets</u>
	21349000.00	16580000.00
<u>Andre ytelser</u>	<u>Årets</u>	<u>Fjorårets</u>
	26562000.00	17826000.00

Mer om årsverk og lønn

Daglig leder er medlem av selskapets pensjonsordning etter ordinære vilkår. I angitt lønn til daglig leder inngår en bonus på kr. 274 488,-. Det er ingen avtaler om forpliktelser til å gi særskilt vederlag ved opphør eller endring av ansettelsesforholdet. Det er ingen avtaler med øvrige ledende ansatte om særskilt vederlag ved opphør eller endring av ansettelsesforholdet. Det foreligger ingen ytelser knyttet til opsjoner/rettigheter som gir ansatte eller tillitsvalgte rett til tegning, kjøp eller salg av aksjer/grunnfondsbevis

Note

Ekstraordinære inntekter og kostnader

<u>Sum</u>	<u>Beløp</u>
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Note

4

Varige driftsmidler og immaterielle eiendeler

<u>Anskaffelseskost 01.01.</u>	<u>Varige driftsmidler</u>	<u>Immaterielle eiend.</u>
	2344946000.00	
<u>Tilgang i året</u>	<u>Varige driftsmidler</u>	<u>Immaterielle eiend.</u>
	114213000.00	
<u>Samlede av-/nedskrivn.</u>	<u>Varige driftsmidler</u>	<u>Immaterielle eiend.</u>
	1820908000.00	
<u>Balanseført verdi 31.12.</u>	<u>Varige driftsmidler</u>	<u>Immaterielle eiend.</u>
	638250000.00	

Anskaffelseskost - balanseførte lånekostnader, egentilvirkede anleggsmidler

Goodwill spesifisert for hvert enkelt virksomhetskjøp



Avskrivningsplan for goodwill som er lenger enn fem år - begrunnelse

Mer om varige driftsmidler/immaterielle eiendeler

Note

6

Konsern, tilknyttet selskap m.v.

Investering som regnskapsføres etter egenkapitalmetoden

<u>Investering</u>	<u>Inng.balanse</u>	<u>Inntektsf.res</u>	<u>Andre endr.</u>	<u>Utg. balanse</u>
	8378000.00	5098000.00		13476000.00

Konsernregnskap

Virksomheten inngår i konsolideringen til morselskapets konsernregnsk.: Ja

Morselskapet sitt navn

Linde Plc

Forretningskontor for morselskapet

10 The Priestley Center, Priestley Surrey Research Park, Guilford, Irland

Begrunnelse for at datterselskap er utelatt fra konsolideringen

Konsern, tilknyttet selskap m.v. - fordringer og gjeld

Fordringer

<u>Samlet beløp - foretak i samme konsern</u>	<u>Årets</u>	<u>Fjorårets</u>
	683234000.00	510720000.00

<u>Samlet beløp - tilknyttet selskap</u>	<u>Årets</u>	<u>Fjorårets</u>

<u>Samlet beløp - foretak i samme konsern</u>	<u>Årets</u>	<u>Fjorårets</u>

Kortsiktig gjeld

<u>Samlet beløp - foretak i samme konsern</u>	<u>Årets</u>	<u>Fjorårets</u>
	67738000.00	9924000.00

<u>Samlet beløp - felles kontrollert virksomhet</u>	<u>Årets</u>	<u>Fjorårets</u>

<u>Pantstillelse</u>	<u>Beløp</u>

Note

Fordringer



Fordringer som forfaller senere enn ett år etter regnskapsårets slutt

Mer om fordringer

Note

<u>Beholdning av egne aksjer</u>	<u>Antall</u>	<u>Pålydende</u>	<u>Andel av aksjek.</u>
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Erverv

Endringer i beholdning av aksjer i løpet av regnskapsåret

Avhendelse

Endringer i beholdning av aksjer i løpet av regnskapsåret

Samvirkeforetak

Vedtaksbestemmelser/årsmøtevedtak/forslag til vedtak om medlemskapskonti

Mer om aksjer

Note

2

Lån og sikkerhetsstillelse til medlemmer

Er det gitt lån eller sikkerhetsstillelse til ledende personer: Nei

Opplysninger om:

Medlemmer av:

Mer om lån og sikkerhetsstillelse



LINDE GAS AS
ÅRSREGNSKAP
2023



Linde Gas AS

STYRETS BERETNING 2023

Etter styrets oppfatning gir det fremlagte resultatregnskapet og balansen med tilhørende noter et rettviseende bilde av selskapets drift og stilling pr. 31.12.2023.

Linde Gas AS inngår i Linde PLC som er et av verdens største konsern innen kjemisk virksomhet.

Linde Gas AS' største produktområde er flaskegasser. Propan som distribueres under merkenavnet AGA utgjør det største av disse. Flaskene distribueres direkte fra produksjonssted til kunde der hvor volumene er tilstrekkelig store til at dette er den mest økonomiske løsningen. Alternativt distribueres flaskegassene gjennom et landsdekkende forhandlerapparat som består av bensinstasjoner, byggevareforhandlere og matkjeder. For å øke tilgjengeligheten er det utplassert et stort antall utleveringsautomater hvor kunder utenom normal åpningstid kan kjøpe eller bytte sin gassflaske.

Bulkområdet består av nedkjølte kryogene gasser som distribueres til kunder med relativt store behov. Gassene fraktes i tankbil og fylles over på tanker som stort sett leies av Linde Gas AS.

Spesielt store kundebehov dekkes i mange tilfelle ved at Linde Gas AS leverer og drifter en produksjonsenhet ved siden av eller integrert i kunders prosessanlegg.

Forretningsområdet Industrial Gases utgjør den største delen av selskapets virksomhet i Norge og forsyner primært kunder i verkstedindustrien, prosessindustrien og næringsmiddelindustrien. Innen næringsmiddelindustrien satses det en del ressurser på forskning og utvikling primært innen fiskeoppdrett.

Linde Gas AS tilbyr også et komplett program av medisinske gasser, behandlinger, utstyr og tjenester til norsk helsevesen. Herunder også installasjonsprosjekter av sentralgassanlegg til sykehus og institusjoner. Leveranser til sykehusene er det største området.

Linde Gas AS har i 2023 bygget opp kompetanse innen hydrogen og det arbeide med potensielle prosjekter med partnere i Norge. Det er etablert forsyningsturktur og leveranser til en fergeforbindelse på Vestlandet. Hydrogen og ren energi vil være et viktig område for Linde Gas AS i årene fremover.

Selskapet har avdelingskontorer i Sandefjord, Kristiansand, Sandnes, Bergen, Ålesund, Trondheim, Harstad og Tromsø. Hovedkontoret er i Oslo.

Linde Gas AS driver produksjonsvirksomhet i Tysvær, Mo i Rana, Tjeldbergodden og i Oslo.

Linde Gas AS eier 37,82% av Tjeldbergodden Luftgassfabrikk DA. Selskapet driver en luftgassfabrikk knyttet til Equinors Metanolanlegg på Tjeldbergodden.



Driftsinntektene i selskapet viser en økning på 12% fra 2022.

I likhet med 2022 var forretningsåret 2023 et år med høy inflasjon og en svakere krone. En betydelig del av veksten i omsetningen er prisjusteringer til kompensasjon for høyere kostnader. Volumutviklingen har vært relativt stabil men veksten i salg av propan som har vært god de siste årene har fortsatt også i 2023. Årsaken er bedret tilgjengelighet fra salgsautomater.

Driftsresultatet for 2023 viser en økning på 16,7% i forhold til året før. Det har vært god stabilitet på produksjonsanlegg og ny fabrikk for fylling av propan er innkjørt og har gitt øket produktivitet.

Det er ikke inntruffet forhold etter balansedagens utgang av betydning for bedømmelse av selskapets stilling utover det som kan leses ut av det fremlagte regnskap og noter.

Finansiell risiko er begrenset til kortsiktig valutaeksponering. Markedsmessig risiko er lav da Linde Gas AS har kunder som opererer bredt innen mange næringer og offentlig sektor.

Det har vært meget god likviditet gjennom hele 2023. Likviditetsoverskudd plasseres rentebærende i NOK i morselskapet. Innskudd kan ved behov tilbakeføres til selskapet på kort varsel. Innskudd på bankkonti holdes på et minimumsnivå.

Ansatte og kontraktører som arbeider for Linde Gas AS må ha et sterkt og kontinuerlig fokus på sikkerhet. Derfor satses det mye på kompetanse og opplæring av både ansatte og kontraktører. Betydelig mengder varetransport på vei i regi av transportselskaper er det områder som er mest utsatt for uhell. Lasting og lossing av produkter er et område hvor feil kan få store konsekvenser. Selskapet har gjennomført et stort antall aktiviteter i samarbeid med transportørene. Dette har gitt gode resultater og antall uønskede hendelser knyttet til transport av gods viser en meget god utvikling. Rapportering og oppfølging av hendelser er av stor betydning for det forbyggende arbeide i bedriften. Det var ingen personskader med sykefravær i 2023 og kun en skade som krevde medisinsk behandling. Det var også en transportulykke hvor en tilhenger med flytende oksygen (LOX) rullet rundt, men uten lekkasje av LOX. Det ble rapportert 45 uønskede hendelser.

Det gjennomføres årlig trivselsundersøkelser blant selskapets ansatte. Basert på rapporter per avdeling mottar ledelsen forslag til tiltak. Resultatene fra dette arbeidet relativt stabil utvikling de fleste trivselsindikatorer. Basert på dette anser styret arbeidsmiljøet i selskapet som godt. Det er fungerende arbeidsmiljøutvalg i henhold til lovkrav.

Sykefraværet i 2023 var på 3,5% som er en reduksjon med 0,3% poeng fra foregående år.

Produksjon og distribusjon av industrielle gasser medfører høyt forbruk av elektrisk kraft, og transporttjenester. Det arbeides aktivt med å optimalisere distribusjon av varer til kunder slik at miljøavtrykket blir så lavt som mulig. Linde Gas AS importerer og videreselger HFK gasser som benyttes av kjøleindustrien. Disse produktene medfører drivhuseffekt og virker nedbrytende på ozonlaget. Produktene er kvoteregulert og belagt med høye importavgifter. Utover dette har virksomheten etter styrets oppfatning få negative effekter på det ytre miljø.

Linde Gas AS' etableringer er miljøsertifisert under ISO 14001.

Ved utgangen av året hadde Linde Gas AS 217 ansatte, hvilket er 8 flere enn i 2022.



Lindekonsernet globalt driver aktivt arbeide med å fremme likestilling og hindre diskriminering i alle selskaper. Det praktiseres lik lønn for likt arbeid og kompetansenivå. Det er gjennomført obligatorisk web-opplæring av ledere som tar opp hvordan ubevist holdninger og tankesett holder minoriteter utenfor arbeidslivet. Kvinneandelen i selskapet utgjør 19%. Den relativt lave andelen kvinner skyldes at mange stillinger innebærer krevende fysisk arbeid og ved utlysning av slike jobber mottar vi få eller ingen søknader fra kvinner. Det er en økning av kvinner i ledene stillinger innen salg og produksjon/distribusjon i selskapet.

Informasjon om aktivitet- og redegjøringsplikt samt krav og etterlevelse av åpenhetsloven publiseres på: https://www.linde-gas.no/no/all_about_us/index.html

Linde Gas AS har ingen kontrakter for kjøp fra leverandører eller leveranser til kunder i sanksjonerte land. Den pågående energikrisen som følge av konflikten i Ukraina vil få effekt på Linde Gas AS. Så langt er de negative konsekvensene betydelig begrenset av sikringsinstrumenter som har dempet kostnadsveksten betydelig. Sikringsinstrumentene har begrenset varighet og hvis energiprisene forsetter på dagens nivå vil selskapets marginer reduseres betydelig med mindre det lykkes å få disse kompensert i salgsprisene.

Styret anser selskapets framtidsutsikter som gode og forutsetningene for fortsatt drift er tilstede.

Linde Gas AS har ikke tegnet særskilt forsikringsmessig dekning av styreansvar.

Ved utgang 2023 var selskapets opptjente egenkapital kr. 970.563.000,- før avsetning til dividende. Dette inkluderer årets overskudd på kr. 468.210.000,- .

Styret foreslår følgende disponering av overskuddet for 2023:

Avsetning til dividende	450.000.000,-
Tillegges fri egenkapital	18.210.000,-
SUM	468.210.000,-

Oslo, 13. juni 2024

Klas Stylander
(Styreleder)

Erik Simonsen

Roar Killerud

Jan Christian Schive

Jostein Thomassen
Adm. dir.



Tall i hele tusen

Linde Gas AS
(NOK 1000)
Resultatregnskap

		2023	2022
Driftsinntekter			
Salgsinntekter	1	2 042 396	1 824 240
Andre inntekter		0	0
Sum driftsinntekter		2 042 396	1 824 240
Driftskostnader			
Vareforbruk		441 223	427 959
Lønn og sosiale kostnader	2	275 969	246 500
Andre driftskostnader	3	649 241	563 278
Ordinære avskrivninger	4	94 765	89 263
Tap på fordringer	5	2 234	1 227
Effekt ved endring av pensjonsordning	0,2	0	0
Sum driftskostnader		1 463 433	1 328 226
DRIFTSRESULTAT		578 963	496 013
Finansinntekter og finanskostnader			
Andel av overskudd i TLF DA	6	5 097	2 055
Renteinntekt fra foretak i samme konsern		17 653	6 220
Rentekostnad fra foretak i samme konsern		0	0
Annen renteinntekt		2 326	938
Annen rentekostnad	7	633	374
Annen finanskostnad		637	606
Netto finansposter		23 806	8 232
RESULTAT FØR SKATTEKOSTNAD		602 770	504 246
Skattekostnad	8	134 560	108 901
ÅRSRESULTAT		468 210	395 344
Anvendelse av årsresultat			
Annen egenkapital		18 210	15 344
Foreslått utbytte		450 000	380 000
SUM		468 210	395 344



Tall i hele tusen

Linde Gas AS

Balanse pr. 31.12

		2023	2022
Anleggsmidler			
Tomter, bygninger og annen fast eiendom	4	22 656	22 659
Maskiner/anlegg/inventar/transportmidler	4	615 589	596 138
Anlegg under utførelse		7 653	34 589
Aksjer i beslektede selskaper		613	613
Kapitalinnskudd TLF	6	13 476	8 378
Andre langsiktige fordringer		1 305	4 393
Sum anleggsmidler		661 292	666 771
Omløpsmidler			
Varer	9	82 691	111 346
Kundefordringer	5, 10	287 004	251 660
Fordringer på konsernselskaper	11, 7	683 324	510 720
Andre fordringer		9 329	8 249
Bankinnskudd og kontanter	12	13 528	16 300
Sum omløpsmidler		1 075 876	898 274
TOTALE EIENDELER		1 737 168	1 565 045



Tall i hele tusen

Linde Gas AS

Balanse pr. 31.12

		2023	2022
Egenkapital og gjeld			
Innskutt egenkapital			
Aksjekapital (50.000 aksjer à 1000,-)		50 000	50 000
Opptjent egenkapital			
Annen egenkapital		520 563	502 354
Sum egenkapital	13	570 563	552 354
Langsiktig gjeld			
Pensjonsforpliktelser	2	1 222	1 222
Utsatt skatt	8	29 794	50 457
Fjerningsforpliktelse	14	38 826	35 125
Sum langsiktig gjeld		69 842	86 804
Kortsiktig gjeld			
Gjeld til konsernselskaper	11	67 738	9 924
Leverandørgjeld		178 833	194 452
Betalbar skatt	8	150 525	116 587
Skyldige offentlige avgifter		77 851	64 939
Forskudd fra kunder		55 203	50 237
Avsatt utbytte		450 000	380 000
Mellomværende TLF	6	5 631	5 952
Kassekreditt	12	0	0
Annen kortsiktig gjeld	14	110 981	103 796
Sum kortsiktig gjeld		1 096 763	925 887
SUM GJELD OG EGENKAPITAL		1 737 168	1 565 045

Oslo, 13.juni 2024

Klas Stylander
Styreleder

Erik Simonsen

Jan Christian Schive

Roar Killerud

Jostein Thommasen
Adm. Dir.



Tall i hele tusen

Linde Gas AS

Kontantstrømoppstilling

	2023	2022
Kontantstrømmer fra operasjonelle aktiviteter		
Resultat før skattekostnad	602 770	504 246
Betalte skatter	-121 285	-106 856
Ordinære avskrivninger	94 765	89 263
Gevinst ved avgang driftsmidler	0	0
Nedskrivning anleggsmidler	0	0
Andel overskudd i TLF DA	-5 097	-2 055
Endring i varelager	28 655	-7 038
Endring i kundefordringer og andre fordringer	-36 425	-63 713
Endring i leverandørgjeld	-10 653	55 390
Endring i pensjonsmidler/-forpliktelser	0	-2 970
Endring i andre tidsavgrensninger	16 001	9 207
Netto kontantstrøm fra operasjonelle aktiviteter	568 730	475 473
Kontantstrømmer fra investeringsaktiviteter		
Innbetalinger ved salg av varige driftsmidler	0	0
Utbetalinger ved kjøp av varige driftsmidler	-87 277	-86 002
Tilbakebetalt kapital fra TLF DA	0	0
Plassering overskuddslikviditet	-172 604	-80 674
Netto kontantstrøm fra investeringsaktiviteter	-259 881	-166 676
Kontantstrømmer fra finansieringsaktiviteter		
Utbetalinger ved reduksjon av langsiktig gjeld	3 700	35 125
Utbetalinger ved reduksjon av kortsiktig gjeld	64 679	-2 121
Utbetalinger ved plassering av innskudd	0	0
Utbetaling av renter		
Utbetaling av utbytte	-380 000	-350 000
Netto kontantstrøm fra finansieringsaktiviteter	-311 621	-316 995
Netto endring i kontanter og kontantekvivalenter	-2 772	-8 198
Kontanter og kontantekvivalenter pr. 01.01.	16 301	24 498
Kontanter og kontantekvivalenter pr. 31.12.	13 529	16 301
		16 300



NOTER TIL REGNSKAPET FOR 2023.

(NOK 1000)

NOTE 0 - GRUNNLEGGENDE REGNSKAPSPRINSIPPER – VURDERING OG KLASSIFISERING – ANDRE FORHOLD

Årsregnskapet består av resultatregnskap, balanse, kontantstrømpoppstilling og noteopplysninger og er avlagt i samsvar med aksjelov, regnskapslov og god regnskapsskikk i Norge gjeldende per 31. desember 2023. Årsregnskapet gir et rettviseende bilde av eiendeler og gjeld, finansiell stilling og resultat. Notene er en integrert del av årsregnskapet.

Årsregnskapet er basert på de grunnleggende prinsipper om historisk kost, sammenlignbarhet, fortsatt drift, kongruens og forsiktighet. Transaksjoner regnskapsføres til verdien på transaksjonstidspunktet. Inntekter resultatføres når de er opptjent og kostnader sammenstilles med opptjente inntekter. Regnskapsprinsippene utdypes nedenfor.

Linde Gas AS eier selskapet Norgas AS. Norgas AS driver ikke virksomhet. Konsernregnskap utarbeides ikke da datterselskapet ikke er av betydning for å bedømme konsernets stilling og resultat.

Generelle prinsipper

Eiendeler/gjeld som knytter seg til varekretsløpet og poster som forfaller til betaling innen ett år etter balansedagen er klassifisert som omløpsmidler/kortsiktig gjeld. Vurdering av omløpsmidler/kortsiktig gjeld skjer til laveste/høyeste verdi av anskaffelseskost og virkelig verdi. Øvrige eiendeler/gjeld er klassifisert som henholdsvis anleggsmidler/langsiktig gjeld. Anleggsmidler vurderes til anskaffelseskost. Anleggsmidler som forringes avskrives. Dersom det finner sted en verdiendring som ikke er forbigående, foretas en nedskrivning av anleggsmidlet. Tilsvarende prinsipper er lagt til grunn for gjeldspostene.

Ved anvendelse av regnskapsprinsipper og presentasjon av transaksjoner og andre forhold, legges det vekt på økonomiske realiteter, ikke bare juridisk form. Betingede tap som er sannsynlige og kvantifiserbare kostnadsføres. Når faktiske tall ikke er tilgjengelige på tidspunkt for regnskapsavleggelsen, tilsier god regnskapsskikk at ledelsen beregner et best mulig estimat for bruk i resultatregnskap og balanse. Det kan forekomme avvik mellom estimerte og faktiske tall.

Regnskapsprinsipper for vesentlige regnskapsposter

Inntektsføringstidspunkt

Inntekt resultatføres når den er opptjent. Inntektsføring skjer følgelig normalt på leveringstidspunktet ved salg av varer og tjenester. Driftsinntektene er fratrukket merverdiavgift, rabatter og bonuser.

Kostnadsføringstidspunkt / sammenstilling

Utgifter sammenstilles med og kostnadsføres samtidig med de inntekter utgiftene kan henføres til. Utgifter som ikke kan henføres direkte til inntekter, kostnadsføres når de påløper.

Fra og med 01.01.2012 har Linde Gas AS endret prinsipp for periodisk 10 års vedlikehold av gassflasker fra å bli løpende kostnadsført til å bli aktivert. Vedlikeholdet innebærer skifte av ventiler samt rengjøring. Vedlikeholdet er påkrevet for at gassflaskene fortsatt kan brukes. Gassflaskene skrives av over 20 år, mens vedlikeholdet skrives av over 10 år.

Andre driftsinntekter/-kostnader

Vesentlige inntekter og kostnader som ikke har sammenheng med den ordinære virksomheten, klassifiseres som andre driftsinntekter og -kostnader.



Behandling av felleskontrollert virksomhet

Med felleskontrollert virksomhet menes virksomhet der selskapet, sammen med ett eller flere andre selskap, i fellesskap kontrollerer virksomheten. Felleskontrollert virksomhet innarbeides etter egenkapitalmetoden.

Selskapets andel av resultatet i en felleskontrollert virksomhet er basert på resultat etter skatt i den felleskontrollerte virksomheten med fradrag for eventuelle avskrivninger på merverdier som skyldes at kostpris på eierandelene var høyere enn den ervervede andel av bokført egenkapital. I resultatregnskapet er andel av resultatet i den felleskontrollerte virksomheten vist under finansposter. I balansen vises eierandeler i den felleskontrollerte virksomheten under anleggsmidler.

Varige driftsmidler

Varige driftsmidler

Varige driftsmidler føres i balansen til anskaffelseskost, fratrukket akkumulerte av- og nedskrivninger. Dersom den virkelige verdien av et driftsmiddel er lavere enn bokført verdi, og dette skyldes årsaker som ikke antas å være forbigående, skrives driftsmidlet ned til virkelig verdi. Utgifter til periodisk vedlikehold og reparasjoner på produksjonsutstyr periodiseres. Utgifter forbundet med normalt vedlikehold og reparasjoner blir løpende kostnadsført. Utgifter til større utskiftninger og fornyelser som øker driftsmidlenes levetid vesentlig aktiveres. Driftsmidler som erstattes kostnadsføres. Et driftsmiddel anses som varig dersom det har en viss økonomisk levetid, samt en vesentlig kostpris. Renter som knytter seg til anlegg under oppføring blir aktivert som en del av kostprisen.

Avskrivninger

Ordinære avskrivninger er beregnet lineært over driftsmidlenes økonomiske levetid med utgangspunkt i historisk kostpris. Tilsvarende prinsipper legges til grunn for immaterielle eiendeler. Avskrivningene er klassifisert som ordinære driftskostnader.

Finansielle eiendeler

Investeringer i aksjer og andeler, klassifisert som anleggsmidler, vurderes samlet til det laveste av gjennomsnittlig anskaffelseskost og markedsverdi.

Sikringsbokføring

Linde Gas AS benytter sikringsbokføring bare når det foreligger en direkte økonomisk sammenheng mellom sikringsinstrumentet og de underliggende sikrede transaksjoner.

Valuta

Pengeposter i utenlandsk valuta er vurdert til kursen ved regnskapsårets slutt.



Varelager og varekostnad

Beholdninger av varer vurderes til det laveste av kostpris etter "først inn – først ut" – prinsippet og antatt salgspris. Kostpris for tilvirkede varer er direkte materialer, direkte lønn samt andel av indirekte tilvirkningskostnader, mens kostpris for innkjøpte varer er anskaffelseskost. Årets varekostnad består av kostpris solgte varer med tillegg av nedskrivning i samsvar med god regnskapsskikk per årsslutt.

Fordringer

Fordringer er oppført til pålydende med fradrag for forventede tap.

Pensjonsforpliktelser og pensjonskostnad

Selskapet har med virkning fra 31.12.2016 avviklet den ytelsesbaserte pensjonsordningen for alle aktive ansatte som fra 1.1.2017 er flyttet over til ordningen for innskuddsbasert pensjon.

Gjenstående pensjonsforpliktelser er knyttet opp mot pensjonister og uføre. Gjenværende pensjonsmidler vurderes til virkelig verdi. Netto pensjonsforpliktelser består av brutto pensjonsforpliktelse fratrukket virkelig verdi av pensjonsmidler.

Endringer i pensjonsforpliktelsen og pensjonsmidlene som skyldes endringer i og avvik mot beregningsforutsetningene (estimatendringer) føres mot egenkapital.

Netto pensjonskostnad, som er brutto pensjonskostnad fratrukket estimert avkastning på pensjonsmidlene, korrigert for fordelt virkning av endringer i estimater og pensjonsplaner, klassifiseres som ordinær driftskostnad, og er presentert sammen med lønn og andre ytelser.

Utsatt skatt og skattekostnad

Utsatt skatt beregnes på bakgrunn av midlertidige forskjeller mellom regnskapsmessige og skattemessige verdier ved utgangen av regnskapsåret. Ved beregningen benyttes nominell skattesats. Positive og negative forskjeller vurderes mot hverandre innenfor samme tidsintervall. Utsatt skattefordel oppstår dersom en har midlertidige forskjeller som gir opphav til skattemessige fradrag i fremtiden. Årets skattekostnad består av endringer i utsatt skatt og utsatt skattefordel, sammen med betalbar skatt for inntektsåret.

Kontantstrømoppstilling

Kontantstrømoppstillingen er utarbeidet etter den indirekte metoden. Kontanter og kontantekvivalenter omfatter kontanter, bankinnskudd og andre kortsiktige, likvide plasseringer som umiddelbart og med uvesentlig kursrisiko kan konverteres til kjente kontantbeløp og med forfallsdato kortere enn tre måneder fra anskaffelsesdato.

Pensjonsforpliktelser

De ansattes pensjonsordninger gjennom 2023 har bestått av en innskuddsordning (ITP). Ordningen oppfyller krav iht. Lov om obligatorisk tjenestepensjon.

Det som nå fremkommer under pensjonsforpliktelser ved utgang 2023 er en regulering av pensjoner under utbetaling som ble foretatt i 2003. Nåverdien av denne er beregnet til kr. 1.222.272,-.



NOTE 1 – SEGMENTINFORMASJON SALGINNTEKTER

Virksomhetsområder	Manufacturing Industry	Process Industry	Health Care	Totalt
Salgsinntekter	979 309	825 876	237 211	2 042 396

NOTE 2 – LØNSKOSTNADER / ANTALL ANSATTE / GODTGJØRELSER / LÅN TIL ANSATTE / PENSJONER MM

Lønnskostnader mm.	2023	2022
Lønninger	197 321	185 553
Folketrygdeavgift	30 738	26 540
Pensjoner	21 349	16 580
Andre ytelser	26 562	17 826
Lønnskostnader	275 969	246 499

Antall ansatte ved utgang 2023 var 217. Antall årsverk var 216,2

Godtgjørelser (i kroner)	Daglig leder	Styret
Lønn	1 756 339	0
Annen godtgjørelse	118 641	0

Daglig leder er medlem av selskapets pensjonsordning etter ordinære vilkår. I angitt lønn til daglig leder inngår en bonus på kr. 274 488,-. Det er ingen avtaler om forpliktelser til å gi særskilt vederlag ved opphør eller endring av ansettelsesforholdet.

Det er ingen avtaler med øvrige ledende ansatte om særskilt vederlag ved opphør eller endring av ansettelsesforholdet.

Det foreligger ingen ytelser knyttet til opsjoner/ rettigheter som gir ansatte eller tillitsvalgte rett til tegning, kjøp eller salg av aksjer/grunnfondsbevis

Revisor

Kostnadsført revisjonshonorar utgjør kr. 467.417,-, for 2023. Honorar for ordinær revisjon er kr 467.417. Tilsvarende tall for 2022 for kostnadsført revisjonshonorar var kr. 617.672,- ekskl. mva.



NOTE 3 – ANDRE DRIFTSKOSTNADER

	<u>2023</u>	<u>2022</u>
Kontorkostnader	10829	9179
Reisekostnader	8702	7129
Leie lokaler, andre leiekostnader	28170	27638
Fraktkostnader	298142	292343
Reparasjons- og vedlikeholdskostnader	68673	70166
Forhandlerprovisjoner	38253	37582
Lisenser	142980	63080
Eksterne tjenester	1268	1090
<u>Andre driftsrelaterte kostnader</u>	<u>52224</u>	<u>55146</u>
<u>Sum andre driftskostnader</u>	<u>649241</u>	<u>563353</u>

NOTE 4 - VARIGE DRIFTSMIDLER

(Hele tusen)	Maskiner, inventar og transportmidler	Bygninger	Tomter	Goodwill	Sum
Avskrivningssatser	5-20 %	4 %	0 %	20 %	
Kostpris 1.1	2 190 845	138 878	8 223	7 000	2 344 946
Tilgang i året	114 213	0			114 213
Avgang i året salg	0				0
<u>Avgang i årets nedskrivninger</u>	<u>0</u>				<u>0</u>
Kostpris 31.12	2 305 058	138 878	8 223	7 000	2 459 159
Akk. avskrivninger 1.1	1 594 707	124 442	0	7 000	1 726 148
Ordinære avskrivninger	93 527	1 239			94765
Avgang avskrivninger salg	0	0			0
<u>Avgang avskrivn. nedskrivn.</u>	<u>0</u>				<u>0</u>
Akk. avskrivninger 31.12	1 688 228	125 680		7 000	1 820 908
<u>Bokført verdi 31.12</u>	<u>616 830</u>	<u>13 197</u>	<u>8 223</u>	<u>0</u>	<u>638 250</u>

NOTE 5 - KUNDEFORDRINGER

Kundefordringer er oppført i balansen til pålydende, etter fradrag for generelle avsetninger til forventede tap på kroner 851.493,-. Kundespesifikke avsetninger er på 235.900,- kroner. Tilsvarende for 2022 var kundefordringer oppført i balansen til pålydende etter fradrag for generelle avsetninger til forventet tap på kroner 826.821,-. Kundespesifikke tapsavsetninger per 31.12.2022 utgjorde 644.683,- kroner.

Konstaterte tap på kunder for 2023 er kroner 2.099.954,-. Justert for en økning i generelle tapsavsetninger på 24.672,- kroner, er tap på kunder utgiftsført med kroner 2.124.626,-. Innbetalinger på tidligere tapsførte fordringer er inntektsført med kroner 126.503,-.

Tilsvarende for 2022 var konstaterte tap på kunder kroner 1.151.049,-. Justert for en økning i generelle tapsavsetninger på 251.256,- kroner, var tap på kunder utgiftsført med kroner 1.402.305,-. Innbetalinger på tidligere tapsførte fordringer ble inntektsført med kroner 175.510,-.



NOTE 6 - TJELDBERGODDEN LUFTGASSFABRIKK DA (TLF DA)

Linde Gas AS eier, i fellesskap Equinor ASA og ConocoPhillips Norway, en luftgassfabrikk på Tjeldbergodden, Møre og Romsdal, i forbindelse med et metanolanlegg som er bygget på samme sted. Linde Gas AS eierandel og andel av stemmeberettiget kapital er 37,82%

Egenkapitalmetoden er benyttet i selskapsregnskapet. Andel av overskuddet i TLF DA for 2023 er på kr. 5.097.439. Transaksjonen er ført mot kapitalinnskudd i TLF DA. Det er ikke tilbakebetalt kapital fra TLF DA i 2023.

Linde Gas AS som forretningsfører selger administrasjonstjenester til TLF DA. I 2023 kjøpte TLF DA tjenester fra Linde Gas AS for kr. 5.502.836,-.

Linde Gas AS kjøpte i 2023 flytende gasser fra TLF DA for kr. 35.130.360,-, samt solgte produkter til TLF DA for kr. 8.682.948,-.

Kapitalinnskudd 01.01.2023	8.378.494
Tilbakebetalt fra TLF DA 2023	0
Resultatandel TLF DA 2023	<u>5.097.439</u>
Kapitalinnskudd 31.12.2023	<u>13.475.933</u>

NOTE 7 - RENTEBÆRENDE PLASSERINGER OG LÅN

Linde Gas AS har pr. 31.12.2023 kroner 682 383 68,18 som rentebærende kortsiktig plassering hos Praxair International Finance.

NOTE 8 - REGNSKAPSMESSIG BEHANDLING AV SKATT

Netto	Tids-	Midlertidige forskjeller			
Utsatt skatt	(TNOK)	horisont	2023	2022	Endring
Anleggsreserve	Langsiktig		211 517	245 155	33 638
Ukurans varelager	Kortsiktig		-2 058	-1 045	1 013
Gevinst- og tapskonto	Langsiktig		15 740	19 675	3 935
Avsetning	Kortsiktig		- 88 347	- 44 826	43 521
Fordringsreserve	Kortsiktig		-206	- 1 083	-877
Pensjonsforpliktelser	Langsiktig		-1 222	1 748	2 970
Midlertidige forskjeller			135 425	219 625	84 200
Grunnlag utsatt skatt			135 425	219 625	
Utsatt skatt	22 %		29 793	48 317	- 18 524
Justering tidligere år				2 139	- 2 139
Utsatt skatt i regnskapet			29 793	50 456	-20 663



Betalbar skatt	2023	2022
Resultat før skattekostnad	602 770	504 246
Permanente forskjeller:		
Skattefri inntekt	0	0
Ikke fradragsberettiget kostnader	- 2 763	- 179
Endring i midlertidige forskjeller:	84 200	25 874
Grunnlag betalbar skatt	<u>684 207</u>	<u>529 941</u>
Betalbar skatt	150 525	116 587
Skattekostnad	2023	2022
Kostnadsført betalbar skatt	150 525	116 587
Endring utsatt skatt	- 18 524	- 5 652
Justering tidligere år	- 2 139	
Avregning betalbar skatt fra tidligere år	4 698	- 1993
Skattekostnad	<u>134 560</u>	<u>108 902</u>
Forventet skatt etter nominell skattesats	132 609	110 934
Effekt av permanente forskjeller	- 608	-36
Avregning betalbar skatt fra tidligere år	4 698	- 1993
Justering tidligere år	2 139	0
Skattekostnad i henhold til resultatregnskapet	<u>134 560</u>	<u>108 902</u>

NOTE 9 - VARELAGER

Varelageret er vurdert til laveste av anskaffelseskost og virkelig verdi. Avsetning for ukurans ferdigvarer er 1.044.511. I varelageret for 2022 er det varer med særavgift for HFK / PFK avgift for kr. 45.469.896. Tilsvarende tall i 2021 var kr. 83.978.270.

Varelager	2023	2022
Varer i arbeid	-764	-6 253
Ferdigvarer	17 261	17 350
Innkjøpte handelsvarer	20 724	16 271
Særavgift i varelager	<u>45 470</u>	<u>83 978</u>
Sum varelager	<u>82 691</u>	<u>111 346</u>

NOTE 10 - PANTSTILLELSER, GARANTIANSVAR OG SOLIDARANSVAR

Linde Gas AS har stilt følgende garantier per 31.12.2023:

Skattetrekkgaranti	NOK	18.000.000,-
Husleiegarantier	NOK	3.348.716,-
Betalingsgaranti strøm	NOK	500.000,-
Prosjektgarantier	NOK	4 293 305,-



NOTE 11 - NÆRSTÅENDE PARTER

Selskapet har ingen transaksjoner med ledende ansatte eller styre.

Transaksjoner med nærstående parter er avtalefestet og basert på forretningsmessige prinsipper og betingelser.

Investering i datterselskap:

Foretaksnavn	Forretningskontor	Eierandel	Stemmeandel
Norgas AS	Oslo	100 %	100 %
KS			
Luftgassproduksjon	Oslo	99,5 %	99,5 %

I tillegg til balanseposter som vist i årsregnskapet har vi følgende transaksjoner med nærstående parter

	<u>2023</u>	<u>2022</u>
Lisenser, netto	121 946	63 080
Vedlikeholdskostnader	22 537	21 714
Fordeling av felleskostnader	<u>11 093</u>	<u>18 666</u>
Sum transaksjoner med nærstående parter	<u>155 576</u>	<u>103 460</u>

Se note 6 for transaksjoner med TLF DA.

NOTE 12 - BANK

Konsernet har en tilgjengelig kassekreditt på 20.000.000,- kroner. Kroner 3 804 090,45 er innestående per 31.12.2023. Skyldig skattetrekk er sikret ved bankgaranti.

NOTE 13 - EGENKAPITAL

Aksjekapitalen er på kr. 50 000 000 fordelt på 50 000 aksjer. Alle pålydende kr. 1 000. Hele aksjekapitalen er eiet av Oy Linde Gas AB. Årsregnskapet til Linde Gas AS blir konsolidert inn i årsregnskapet til Linde Plc.

Det konsoliderte årsregnskapet finnes på hjemmesiden:

<https://investors.linde.com/en/financial-reports>

eller kan også fås via skriftlig henvendelse til : Linde Plc, Klosterhofstrasse1, 80331 München, Tyskland.

	<u>Aksjekapital</u>	<u>Annen EK</u>	<u>Sum</u>
Egenkapital pr. 01.01.2023	50 000	<u>502 353</u>	<u>552 353</u>
Årets endring i egenkapital			
Årsresultat		468 210	468 210
Utbytte		450 000	450 000
Effekt beregnet pensjonsforpliktelse ført direkte mot egenkapital		0	0
Utsatt skatt av effekt pensjonsforpliktelse ført direkte mot egenkapital		0	0
Egenkapital pr. 31.12.2023	<u>50.000</u>	<u>520 563</u>	<u>570 563</u>



NOTE 14– ANNEN KORTSIKTIG GJELD	<u>2023</u>	<u>2022</u>
Avsetninger for diverse kostnader	88 808	79 332
Gasskjøp	0	3 849
Fjerningsforpliktelse fabrikkanelegg	38 826	35 125
Skyldige feriepenger	<u>22 173</u>	<u>20 615</u>
<u>Annen kortsiktig gjeld</u>	<u>149 807</u>	<u>138 921</u>



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Årsregnskap

Signers:

<i>Name</i>	<i>Method</i>	<i>Date</i>
KLAS STYLANDER	BANKID	2024-06-26 09:17
Schive, Jan Christian	BANKID	2024-06-26 08:53
Killerud, Roar	BANKID	2024-06-26 10:04
Simonsen, Erik	BANKID	2024-06-26 08:18
Thomassen, Jostein	BANKID	2024-06-28 08:57

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Til generalforsamlingen i Linde Gas AS

Uavhengig revisors beretning

Konklusjon

Vi har revidert årsregnskapet for Linde Gas AS som består av balanse per 31. desember 2023, resultatregnskap og kontantstrømpstilling for regnskapsåret avsluttet per denne datoen og noter til årsregnskapet, herunder et sammendrag av viktige regnskapsprinsipper.

Etter vår mening oppfyller årsregnskapet gjeldende lovkrav, og gir årsregnskapet et rettviseende bilde av selskapets finansielle stilling per 31. desember 2023, og av dets resultater og kontantstrømmer for regnskapsåret avsluttet per denne datoen i samsvar med regnskapslovens regler og god regnskapsskikk i Norge.

Grunnlag for konklusjonen

Vi har gjennomført revisjonen i samsvar med International Standards on Auditing (ISA-ene). Våre oppgaver og plikter i henhold til disse standardene er beskrevet nedenfor under *Revisors oppgaver og plikter ved revisjonen av årsregnskapet*. Vi er uavhengige av selskapet i samsvar med kravene i relevante lover og forskrifter i Norge og International Code of Ethics for Professional Accountants (inkludert internasjonale uavhengighetsstandarder) utstedt av International Ethics Standards Board for Accountants (IESBA-reglene), og vi har overholdt våre øvrige etiske forpliktelser i samsvar med disse kravene. Innhentet revisjonsbevis er etter vår vurdering tilstrekkelig og hensiktsmessig som grunnlag for vår konklusjon.

Øvrig informasjon

Styret og daglig leder (ledelsen) er ansvarlige for informasjonen i årsberetningen. Øvrig informasjon omfatter informasjon i årsrapporten bortsett fra årsregnskapet og den tilhørende revisjonsberetningen. Vår konklusjon om årsregnskapet ovenfor dekker ikke informasjonen i årsberetningen.

I forbindelse med revisjonen av årsregnskapet er det vår oppgave å lese årsberetningen. Formålet er å vurdere hvorvidt det foreligger vesentlig inkonsistens mellom årsberetningen og årsregnskapet og den kunnskap vi har opparbeidet oss under revisjonen av årsregnskapet, eller hvorvidt informasjon i årsberetningen ellers fremstår som vesentlig feil. Vi har plikt til å rapportere dersom årsberetningen fremstår som vesentlig feil. Vi har ingenting å rapportere i så henseende.

Basert på kunnskapen vi har opparbeidet oss i revisjonen, mener vi at årsberetningen

- er konsistent med årsregnskapet og
- inneholder de opplysninger som skal gis i henhold til gjeldende lovkrav.

Ledelsens ansvar for årsregnskapet

Ledelsen er ansvarlig for å utarbeide årsregnskapet og for at det gir et rettviseende bilde i samsvar med regnskapslovens regler og god regnskapsskikk i Norge. Ledelsen er også ansvarlig for slik internkontroll som den finner nødvendig for å kunne utarbeide et årsregnskap som ikke inneholder vesentlig feilinformasjon, verken som følge av misligheter eller utilsiktede feil.

Ved utarbeidelsen av årsregnskapet må ledelsen ta standpunkt til selskapets evne til fortsatt drift og opplyse om forhold av betydning for fortsatt drift. Forutsetningen om fortsatt drift skal legges til grunn for årsregnskapet så lenge det ikke er sannsynlig at virksomheten vil bli avvirket.

Revisors oppgaver og plikter ved revisjonen av årsregnskapet

Vårt mål er å oppnå betryggende sikkerhet for at årsregnskapet som helhet ikke inneholder vesentlig feilinformasjon, verken som følge av misligheter eller utilsiktede feil, og å avgi en revisjonsberetning som inneholder vår konklusjon. Betryggende sikkerhet er en høy grad av sikkerhet, men ingen garanti for at en

PricewaterhouseCoopers AS, Dronning Eufemias gate 71, Postboks 748 Sentrum, NO-0106 Oslo
T: 02316, org. no.: 987 009 713 MVA, www.pwc.no
Statsautoriserte revisorer, medlemmer av Den norske Revisorforening og autorisert regnskapsførerselskap



revisjon utført i samsvar med ISA-ene, alltid vil avdekke vesentlig feilinformasjon. Feilinformasjon kan oppstå som følge av misligheter eller utilsiktede feil. Feilinformasjon er å anse som vesentlig dersom den enkeltvis eller samlet med rimelighet kan forventes å påvirke de økonomiske beslutningene som brukerne foretar på grunnlag av årsregnskapet. For videre beskrivelse av revisors oppgaver og plikter vises det til: <https://revisorforeningen.no/revisionsberetninger>

Oslo, 18. juni 2024
PricewaterhouseCoopers AS

Hallvard Helgetun
Statsautorisert revisor
(elektronisk signert)



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Revisjonsberetning

Signers:

Name	Method	Date
Helgetun, Hallvard	BANKID	2024-06-30 18:36

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**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, D.C. 20549**

FORM 10-K

ANNUAL REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the fiscal year ended December 31, 2023

OR

TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the transition period from _____ to _____
Commission file number 001-38730

LINDE PLC

(Exact name of registrant as specified in its charter)

Ireland
(State or other jurisdiction of incorporation)

10 Riverview Drive,
Danbury, Connecticut
United States 06810

(203) 837 - 2000

98-1448883

(I.R.S. Employer Identification No.)

Forge
43 Church Street West
Woking, Surrey GU21 6HT
United Kingdom

(Address of principal executive offices) (Zip Code)

+44 14 83 242200

(Registrant's telephone number, including area code)

Securities registered pursuant to Section 12(b) of the Act:

Title of each class: Ordinary shares (€0.001 nominal value per share)	Trading Symbol(s) LIN	Name of each exchange on which registered: NASDAQ
--	--------------------------	--

Securities registered pursuant to Section 12(g) of the Act: None

Indicate by check mark if the registrant is a well-known seasoned issuer, as defined in Rule 405 of the Securities Act. Yes No

Indicate by check mark if the registrant is not required to file reports pursuant to Section 13 or Section 15(d) of the Act. Yes No

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes No

Indicate by check mark whether the registrant has submitted electronically every Interactive Data File required to be submitted and posted pursuant to Rule 405 of Regulation S-T (§232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit such files). Yes No

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, a smaller reporting company, or emerging growth company. See the definitions of "large accelerated filer," "accelerated filer," "smaller reporting company," and "emerging growth company" in Rule 12b-2 of the Exchange Act.

Large accelerated filer Accelerated filer Non-accelerated filer Smaller reporting company Emerging growth company

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.

Indicate by check mark whether the registrant has filed a report on and attestation to its management's assessment of the effectiveness of its internal control over financial reporting under Section 404(b) of the Sarbanes-Oxley Act (15 U.S.C. 7262(b)) by the registered public accounting firm that prepared or issued its audit report. Yes No

If securities are registered pursuant to Section 12(b) of the Act, indicate by check mark whether the financial statements the registrant included in the filing reflect the correction of an error to previously issued financial statements.

Indicate by check mark whether any of those error corrections are restatements that required a recovery analysis of incentive-based compensation received by any of the registrant's executive officers during the relevant recovery period pursuant to §240.10D-1(b).

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Act). Yes No

The aggregate market value of the voting and non-voting common stock held by non-affiliates as of June 30, 2023, was approximately \$186 billion (based on the closing sale price of the stock on that date as reported on the New York Stock Exchange). NYSE was the exchange on which Linde's stock was listed before it delisted from the NYSE and became listed on the Nasdaq Stock Market as of November 7, 2023.

At January 31, 2024, 481,576,472 ordinary shares of €0.001 nominal value per share of the Registrant were outstanding.

Documents incorporated by reference:

Portions of the Proxy Statement of Linde plc for its 2024 Annual General Meeting of Shareholders, to be filed with the Securities and Exchange Commission within 120 days after the end of the company's fiscal year, are incorporated in Part III of this report.



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LINDE PLC
ANNUAL REPORT ON FORM 10-K
For the fiscal year ended December 31, 2023

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FORWARD-LOOKING STATEMENTS

This document contains “forward-looking statements” within the meaning of the Private Securities Litigation Reform Act of 1995. These forward-looking statements are identified by terms and phrases such as: anticipate, believe, intend, estimate, expect, continue, should, could, may, plan, project, predict, will, potential, forecast, and similar expressions. They are based on management’s reasonable expectations and assumptions as of the date the statements are made but involve risks and uncertainties. These risks and uncertainties include, without limitation: the performance of stock markets generally; developments in worldwide and national economies and other international events and circumstances, including trade conflicts and tariffs; changes in foreign currencies and in interest rates; the cost and availability of electric power, natural gas and other raw materials; the ability to achieve price increases to offset cost increases; catastrophic events including natural disasters, epidemics, pandemics such as COVID-19, and acts of war and terrorism; the ability to attract, hire, and retain qualified personnel; the impact of changes in financial accounting standards; the impact of changes in pension plan liabilities; the impact of tax, environmental, healthcare and other legislation and government regulation in jurisdictions in which the company operates; the cost and outcomes of investigations, litigation and regulatory proceedings; the impact of potential unusual or non-recurring items; continued timely development and market acceptance of new products and applications; the impact of competitive products and pricing; future financial and operating performance of major customers and industries served; the impact of information technology system failures, network disruptions and breaches in data security; and the effectiveness and speed of integrating new acquisitions into the business. These risks and uncertainties may cause future results or circumstances to differ materially from adjusted projections, estimates or other forward-looking statements.

Linde plc assumes no obligation to update or provide revisions to any forward-looking statement in response to changing circumstances. The above listed risks and uncertainties are further described in Item 1A (Risk Factors) in this report, which should be reviewed carefully. Please consider Linde plc’s forward-looking statements in light of those risks.



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Linde plc and Subsidiaries

PART I

ITEM 1. BUSINESS

General

Linde plc is a public limited company formed under the laws of Ireland with its principal offices in the United Kingdom and United States. Linde is the largest industrial gas company worldwide and is a major technological innovator in the industrial gases industry. Its primary products in its industrial gases business are atmospheric gases (oxygen, nitrogen, argon, and rare gases) and process gases (carbon dioxide, helium, hydrogen, electronic gases, specialty gases, and acetylene etc). The company also designs and builds equipment that produces industrial gases and offers customers a wide range of gas production and processing services such as olefin plants, natural gas plants, air separation plants, hydrogen and synthesis gas plants and other types of plants.

Linde serves a diverse group of industries including healthcare, chemicals and energy, manufacturing, metals and mining, food and beverage, and electronics.

Linde's sales were \$32,854 million, \$33,364 million, and \$30,793 million for 2023, 2022, and 2021, respectively. Refer to Item 7, Management's Discussion and Analysis, for a discussion of consolidated sales and Note 18 to the consolidated financial statements for additional information related to Linde's reportable segments.

Industrial Gases Products and Manufacturing Processes

Atmospheric gases are the highest volume products produced by Linde. Using air as its raw material, Linde produces oxygen, nitrogen and argon through several air separation processes of which cryogenic air separation is the most prevalent. Rare gases, such as krypton, neon and xenon, are also produced through cryogenic air separation. As a pioneer in the industrial gases industry, Linde is a leader in developing a wide range of proprietary and patented applications and supply systems technology. Linde also led the development and commercialization of non-cryogenic air separation technologies for the production of industrial gases. These technologies open important new markets and optimize production capacity for the company by lowering the cost of supplying industrial gases. These technologies include proprietary vacuum pressure swing adsorption ("VPSA") and membrane separation to produce gaseous oxygen and nitrogen, respectively.

Process gases, including carbon dioxide, hydrogen, helium, specialty gases and acetylene are produced by methods other than air separation.

Hydrogen is produced from a range of feedstocks using an array of different technologies. Despite hydrogen being an invisible molecule, colors are often used to designate and differentiate between the production processes used to produce the molecule. The majority of hydrogen currently produced by Linde is what is termed gray hydrogen and is derived from natural gas or methane, using steam methane reformation technology. Linde has multiple technologies to produce blue and green hydrogen, which are both considered types of clean energy. Blue hydrogen is produced by capturing the carbon emissions from the hydrogen plant and either utilizing them in a way that stops them from being emitted or sequestering them in the subsurface for the long term. Green hydrogen is produced by electrolysis using renewable energy or from the steam methane reforming of biomethane. Low carbon intensity, high-purity hydrogen is also produced by purifying and recovering by-product hydrogen sources from the chemical and petrochemical industries.

Carbon monoxide can be produced by either steam methane reforming or auto-thermal reforming of natural gas or other feed streams such as naphtha. Most carbon dioxide is purchased from by-product sources, including chemical plants, refineries and industrial processes or is recovered from carbon dioxide wells. Carbon dioxide is processed in Linde's plants to produce commercial and food-grade carbon dioxide. Helium is sourced from certain helium-rich natural gas streams in the United States, with additional supplies being acquired from outside the United States. Acetylene is primarily sourced as a chemical by-product, but may also be produced from calcium carbide and water.

Industrial Gases Distribution

There are three basic distribution methods for industrial gases: (i) on-site or tonnage; (ii) merchant or bulk liquid; and (iii) packaged or cylinder gases. These distribution methods are often integrated, with products from all three supply modes coming from the same plant. The method of supply is generally determined by the lowest cost means of meeting the customer's needs, depending upon factors such as volume requirements, purity, pattern of usage, and the form in which the product is used (as a gas or as a cryogenic liquid).

On-site. Customers that require the largest volumes of product (typically oxygen, nitrogen and hydrogen) and that have a relatively constant demand pattern are supplied by cryogenic and process gas on-site plants. Linde constructs plants on or



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adjacent to these customers' sites and supplies the product directly to customers by pipeline. On-site product supply contracts generally are total requirement contracts with terms typically ranging from 10-20 years and containing minimum purchase requirements and price escalation provisions. Many of the cryogenic on-site plants also produce liquid products for the merchant market. Therefore, plants are typically not dedicated to a single customer. Advanced air separation processes allow on-site delivery to customers with smaller volume requirements.

Merchant. The merchant business is generally associated with distributable liquid oxygen, nitrogen, argon, carbon dioxide, hydrogen and helium. The deliveries generally are made from Linde's plants by tanker trucks to storage containers at the customer's site which are usually owned and maintained by Linde and leased to the customer. Due to distribution cost, merchant oxygen and nitrogen generally have a relatively small distribution radius from the plants at which they are produced. Merchant argon, hydrogen and helium can be shipped much longer distances. The customer agreements used in the merchant business are usually three to seven-year requirement contracts.

Packaged Gases. Customers requiring small volumes are supplied products in metal containers called cylinders, under medium to high pressure. Packaged gases include atmospheric gases, carbon dioxide, hydrogen, helium, acetylene and related products. Linde also produces and distributes in cylinders a wide range of specialty gases and mixtures. Cylinders may be delivered to the customer's site or picked up by the customer at a packaging facility or retail store. Packaged gases are generally sold under one to three-year supply contracts and through purchase orders.

Engineering

Linde's Engineering business has a global presence, with its focus on market segments such as air separation, hydrogen, synthesis, olefin and natural gas plants. The company utilizes its extensive process engineering know-how in the planning, design and construction of highly efficient plants for the production and processing of gases. With its state-of-the-art sustainable technologies Engineering also helps customers avoid, capture and utilize CO₂ emissions. Its technology portfolio covers the entire value chain for production, liquefaction, storage, distribution and application of hydrogen which supports the transition to clean energy. Its digital services and solutions increase plant efficiency and performance.

Linde's plants are used in a wide variety of fields: in the petrochemical and chemical industries, in refineries and fertilizer plants, to recover air gases, to produce synthesis gases, to treat natural gas and to produce noble gases. The Engineering business either supplies plant components directly to the customer or to the industrial gas business of Linde which operates the plants under a long-term gases supply contract.

Inventories – Linde carries inventories of merchant and cylinder gases and hardgoods to supply products to its customers on a reasonable delivery schedule. On-site plants and pipeline complexes have limited inventory. Inventory obsolescence is not material to Linde's business.

Customers – Linde is not dependent upon a single customer or a few customers.

International – Linde is a global enterprise with approximately 68% of its 2023 sales outside of the United States. The company also has majority or wholly owned subsidiaries that operate in approximately 45 European, Middle Eastern and African countries (including Germany, the United Kingdom (U.K.), France, Sweden, and the Republic of South Africa); approximately 20 Asian and South Pacific countries (including China, Australia, India, South Korea and Thailand); and approximately 20 countries in North and South America (including Canada, Mexico and Brazil).

The company also has equity method investments operating in Europe, Asia, and the Middle East.

Linde's non-U.S. business is subject to risks customarily encountered in non-U.S. operations, including fluctuations in foreign currency exchange rates, import and export controls, and other economic, political and regulatory policies of local governments. Also, see Item 1A. "Risk Factors" and Item 7A. "Quantitative and Qualitative Disclosures About Market Risk."

Seasonality – Linde's business is generally not subject to seasonal fluctuations to any significant extent.

Research and Development – Linde's research and development is directed toward development of gas processing, separation and liquefaction technologies, and clean energy technologies; improving distribution of industrial gases and the development of new markets and applications for these gases. This results in the development of new advanced air separation, hydrogen, synthesis gas, natural gas, adsorption and chemical process technologies; novel clean energy and carbon management solutions; as well as the frequent introduction of new industrial gas applications. Research and development is primarily conducted in Pullach, Germany, Tonawanda, New York, Burr Ridge, Illinois and Shanghai, China.



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Patents and Trademarks – Linde owns or licenses a large number of patents that relate to a wide variety of products and processes. Linde's patents expire at various times over the next 20 years. While these patents and licenses are considered important to its individual businesses, Linde does not consider its business as a whole to be materially dependent upon any one particular patent, or patent license, or family of patents. Linde also owns a large number of trademarks, of which the "Linde" trademark is the most significant.

Raw Materials and Energy Costs – Energy is the single largest cost item in the production and distribution of industrial gases. Most of Linde's energy requirements are in the form of electricity, natural gas and diesel fuel for distribution. The company mitigates electricity, natural gas, and hydrocarbon price fluctuations contractually through pricing formulas, surcharges, cost pass-through and tolling arrangements.

The supply of energy has not typically been a significant issue in the geographic areas where the company conducts business. However, energy availability and price is unpredictable and may pose future risks.

For carbon dioxide, carbon monoxide, helium, hydrogen and specialty gases, raw materials are largely purchased from outside sources. Linde has contracts or commitments for, or readily available sources of, most of these raw materials; however, their long-term availability and prices are subject to market conditions.

Competition – Linde participates in highly competitive markets in industrial gases and engineering, which are characterized by a mixture of local, regional and global players, all of which exert competitive pressure on the parties. In locations where Linde has pipeline networks, which enable the company to provide reliable and economic supply of products to larger customers, Linde derives a competitive advantage.

Competitors in the industrial gases industry include global and regional companies such as L'Air Liquide S.A., Air Products and Chemicals, Inc., Messer Group GmbH, Mitsubishi Chemical Holdings Corporation (through Taiyo Nippon Sanso Corporation) as well as an extensive number of small to medium size independent industrial gas companies which compete locally as producers or distributors. In addition, a significant portion of the international gases market relates to customer-owned plants.

Employees – The company sources talent from an ever-changing and competitive environment. The ability to source and retain qualified and committed employees is a prerequisite for the company's success, and represents a general risk for Linde.

The Board of Directors ("Board") has established a strategic business objective to maintain world-class standards in talent management. Executive variable compensation is assessed annually based on performance in financial measures as well as in several strategic non-financial areas, including talent management. The Human Capital Committee assists the Board in its oversight of Linde's compensation policies and programs, particularly in regard to reviewing executive compensation for Linde's executive officers. The Human Capital Committee also annually reviews the company's management development and succession programs, diversity policies and objectives, and the associated programs to achieve those objectives. The global head of Human Resources reports to the Chief Executive Officer ("CEO"). A global leader of Diversity, Equity and Inclusion reports to the head of Human Resources.

Linde has aligned diversity and inclusion with its business strategies and implemented diversity action planning into business process and performance management. Diversity, equity and inclusion are line management responsibilities and Linde seeks competitive advantage through proactive management of its talent pipeline and recruiting processes. Linde provides equal employment opportunity, and recruits, hires, promotes and compensates people based solely on their performance and ability.

Employees receive a competitive salary and variable compensation components based on performance and job level. Linde has collective bargaining agreements with unions at numerous locations throughout the world. Additional benefits are offered such as occupational pensions and contributions towards health insurance or medical screening, reflecting regional conditions and local competition. Senior managers participate directly in the company's growth in value through the Long Term Incentive Plan of Linde plc. In addition, annually managers have the ability to grant leadership awards under the Long Term Incentive Plan to certain eligible employees. From time to time, Linde may introduce special compensation schemes to recognize or reward specific individuals such as the one implemented in 2020 for global front-line employees. Linde also invests in professional development of its employees through formal and on-the-job training.

As of December 31, 2023, Linde had 66,323 employees worldwide comprised of approximately 28 percent women and 72 percent men. The total professional workforce is comprised of approximately 29 percent women and 71 percent men.



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Environment – Information required by this item is incorporated herein by reference to the section captioned “Management’s Discussion and Analysis – Environmental Matters” in Item 7 of this 10-K.

Available Information – The company makes its periodic and current reports available, free of charge, on or through its website, www.linde.com, as soon as practicable after such material is electronically filed with, or furnished to, the Securities and Exchange Commission (“SEC”). Investors may also access from the company website other investor information such as press releases and presentations. Information on the company’s website is not incorporated by reference herein. In addition, the public may read and copy any materials filed with the SEC free of charge at the SEC’s website, www.sec.gov, that contains reports, proxy information statements and other information regarding issuers that file electronically.

Executive Officers – The following Executive Officers have been elected by the Board of Directors and serve at the pleasure of the Board. It is expected that the Board will elect officers annually following each annual meeting of shareholders.

Sanjiv Lamba, 59, was appointed Chief Executive Officer of Linde effective March 1, 2022. Prior to being appointed CEO, he was Chief Operating Officer starting in January 2021 and after serving as Executive Vice President, APAC, beginning in October 2018. Previously, Mr. Lamba was appointed a Member of the Executive Board of Linde AG in 2011, responsible for the Asia, Pacific segment of the Gases Division, for Global Gases Businesses Helium & Rare Gases, Electronics as well as Asia Joint Venture Management. Mr. Lamba started his career 1989 with BOC India in Finance where he progressed to become Director of Finance before being appointed as Managing Director for BOC’s India’s business in 2001. Throughout his years with BOC/Linde, he worked in various roles across a number of different geographies including Germany, the U.K., Singapore and India.

Guillermo Bichara, 49, is Executive Vice President and Chief Legal Officer. He previously served as Praxair’s Vice President and General Counsel. Mr. Bichara joined the company in 2006, first as Director of Legal Affairs at Praxair Mexico before being promoted to Vice President and General Counsel of Praxair Asia. He subsequently had responsibility for Europe, Mexico and corporate transactions before being promoted to Associate General Counsel and Assistant Secretary. Mr. Bichara previously held roles at Cemex and various global law firms.

Sean Durbin, 53, became Executive Vice President, North America effective September 1, 2023. Previously, he served as Executive Vice President, EMEA from April 2021 to September 2023 and Senior Vice President, Global Functions from July 2020. Durbin joined Praxair, Inc. in 1993 and served in various roles across operations, engineering, project management, business development and sales. In recent years, he has held leadership positions including Business President, Region Europe South from 2019 to 2020, and President, Praxair Canada Inc. from 2013 to 2019.

Kelcey E. Hoyt, 54, became the Chief Accounting Officer of Linde in October 2018. Prior to this, she served as Vice President and Controller of Praxair, Inc. beginning in August 2016. Prior to becoming Controller, she served as Praxair’s Director of Investor Relations since 2010. She joined Praxair in 2002 and served as Director of Corporate Accounting and SEC Reporting through 2008, and later served as Controller for various divisions within Praxair’s North American Industrial Gas business. Previously, she was in audit at KPMG, LLP.

Juergen Nowicki, 60, was appointed Executive Vice President and CEO, Linde Engineering in April 2020. Prior to this, he was Senior Vice President, Commercial, Linde Engineering. Mr. Nowicki joined Linde in 1991 as an Internal Auditor and held various positions in Finance and Controlling. In 2002, he was appointed CFO Linde Gas North America, USA, and was named Head of Finance and Control for The Linde Group in 2006. Nowicki assumed the role of Managing Director, Linde Engineering in 2011.

John Panikar, 56, was appointed Executive Vice President, APAC of Linde effective in January 2021. Previously, he served as President UK & Africa of Linde since October 2018. From 2014 to 2018, Mr. Panikar was President of Praxair Asia. He began his career with Praxair in 1991 as an Applications Engineer. Over the years, Mr. Panikar held increasingly responsible positions including Manager of Site Services and Equipment, Business Development Director for Praxair Asia, Managing Director of Praxair India, VP, South Region, North American Industrial Gases and President, Praxair Distribution, Inc.

Oliver Pfann, 55, was appointed Senior Vice President, EMEA effective September 1, 2023. Since 1995, Oliver Pfann has served in a range of roles at Linde. He began his career in Product Development and then as Sales Manager in Romania. He transitioned to Global Key Accounts and was named General Manager of Linde Italy in 2004. Since 2007, Pfann led a



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regional cluster in Eastern Europe with an increasing number of countries. In 2017, he was promoted to lead the Region UK, Ireland and Africa before assuming his assignment as Business President for Region Europe East in 2019.

David P. Strauss, 65, has been Executive Vice President and Chief Human Resources Officer since 2022. From 2018 to 2021, he was Senior Vice President and Chief Human Resources Officer. Mr. Strauss joined Linde in 1990 as an Applications Engineer before being promoted to lead the electronics materials business. From 2000 to 2013, he served as the General Manager for Linde Advanced Material Technologies Inc. (formerly "Praxair Surface Technologies, Inc."). In 2013, he became Vice President of Safety, Health and Environment before being named Chief Human Resources Officer of Praxair, Inc., a position he held from 2016 until 2018.

Matthew J. White, 51, became Executive Vice President and Chief Financial Officer of Linde in October 2018. He previously served as the Senior Vice President and Chief Financial Officer of Praxair, Inc. since January 1, 2014. Prior to this, Mr. White was President of Praxair Canada from 2011 to 2013. He joined Praxair in 2004 as finance director for the company's largest business unit, North American Industrial Gases. In 2008, he became Vice President and Controller of Praxair, Inc., then was named Vice President and Treasurer in 2010. Before joining Praxair, White was Vice President, Finance, at Fisher Scientific and before that he held various financial positions, including group controller, at GenTek, a manufacturing and performance chemicals company.



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ITEM 1A. RISK FACTORS

Due to the size and geographic reach of the company's operations, a wide range of factors, many of which are outside of the company's control, could materially affect the company's future operations and financial performance. Management believes the following risks may significantly impact the company:

Weakening economic conditions in markets in which Linde does business may adversely impact its financial results and/or cash flows.

Linde serves a diverse group of industries across more than 80 countries, which generally leads to financial stability through various business cycles. However, a broad decline in general economic or business conditions in the industries served by its customers could adversely affect the demand for Linde's products and impair the ability of its customers to satisfy their obligations to Linde, resulting in uncollected receivables and/or unanticipated contract terminations or project delays. For example, global political and economic uncertainty could reduce investment activities of Linde's customers, which could adversely affect Linde's business.

In addition, many of Linde's customers are in businesses that are cyclical in nature, such as the chemicals, metals and energy industries. Downturns in these industries may adversely impact Linde during these cycles. Additionally, such conditions could impact the utilization of Linde's manufacturing capacity which may require it to recognize impairment losses on tangible assets such as property, plant and equipment, as well as intangible assets such as goodwill, customer relationships or intellectual property.

Increases in the cost of energy and raw materials and/or disruption in the supply of these materials could result in lost sales or reduced profitability.

Energy is the single largest cost item in the production and distribution of industrial gases. Most of Linde's energy requirements are in the form of electricity, natural gas and diesel fuel for distribution. Linde attempts to minimize the financial impact of variability in these costs through the management of customer contracts and reducing demand through operational productivity and energy efficiency. Large customer contracts typically have escalation and pass-through clauses to recover energy and feedstock costs. Such attempts may not successfully mitigate cost variability, which could negatively impact Linde's financial condition or results of operations. The supply of energy has not been a significant issue in the geographic areas where Linde conducts business. However, regional energy conditions are unpredictable and may pose future risk.

For carbon dioxide, carbon monoxide, helium, hydrogen and specialty gases, raw materials are largely purchased from outside sources. Where feasible, Linde sources several of these raw materials, including carbon dioxide, hydrogen and calcium carbide, as chemical or industrial byproducts. In addition, Linde has contracts or commitments for, or readily available sources of, most of these raw materials; however, their long-term availability and prices are subject to market conditions. A disruption in supply of such raw materials could impact Linde's ability to meet contractual supply commitments.

Linde's international operations are subject to the risks of doing business abroad and international events and circumstances may adversely impact its business, financial condition or results of operations.

Linde has substantial international operations which are subject to risks including devaluations in currency exchange rates, transportation delays and interruptions, political and economic instability and disruptions, restrictions on the transfer of funds, trade conflicts and the imposition of duties and tariffs, import and export controls, changes in governmental policies, labor unrest, possible nationalization and/or expropriation of assets, changes in U.S. and non-U.S. tax policies and compliance with governmental regulations. These events could have an adverse effect on the international operations of Linde in the future by reducing the demand for its products, decreasing the prices at which it can sell its products, reducing the revenue from international operations or otherwise having an adverse effect on its business.

Currency exchange rate fluctuations and other related risks may adversely affect Linde's results.

Because a significant portion of Linde's revenue is denominated in currencies other than its reporting currency, the U.S. dollar, changes in exchange rates will produce fluctuations in revenue, costs and earnings and may also affect the book value of assets and liabilities and related equity. Although the company from time to time utilizes foreign exchange



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forward contracts to hedge these exposures, its efforts to minimize currency exposure through such hedging transactions may not be successful depending on market and business conditions. As a result, fluctuations in foreign currency exchange rates could adversely affect Linde's financial condition, results of operations or cash flows.

Macroeconomic factors may impact Linde's ability to obtain financing or increase the cost of obtaining financing which may adversely impact Linde's financial results and/or cash flows.

Volatility and disruption in the U.S., European and global credit and equity markets, from time to time, could make it more difficult for Linde to obtain financing for its operations and/or could increase the cost of obtaining financing. In addition, Linde's borrowing costs can be affected by short- and long-term debt ratings assigned by independent rating agencies which are based, in significant part, on its performance as measured by certain criteria such as interest coverage and leverage ratios. A decrease in these debt ratings could increase the cost of borrowing or make it more difficult to obtain financing.

An impairment of goodwill or intangible assets could negatively impact the company's financial results.

As of December 31, 2023, the net carrying value of goodwill and other indefinite-lived intangible assets was \$27 billion and \$2 billion, respectively, primarily as a result of the business combination and the related acquisition method of accounting applied to Linde AG. In accordance with generally accepted accounting principles, the company periodically assesses these assets to determine if they are impaired. Significant negative industry or economic trends, disruptions to business, unexpected significant changes or planned changes in use of the assets, divestitures and sustained market capitalization declines may result in recognition of impairments to goodwill or other indefinite-lived assets. Any charges relating to such impairments could have a material adverse impact on Linde's results of operations in the periods recognized.

Catastrophic events could disrupt the operations of Linde and/or its customers and suppliers and may have a significant adverse impact on the results of operations.

The occurrence of catastrophic events or natural disasters such as extreme weather, including hurricanes and floods; health epidemics; pandemics, such as COVID-19; and acts of war or terrorism, could disrupt or delay Linde's ability to produce and distribute its products to customers and could potentially expose Linde to third-party liability claims. In addition, such events could impact Linde's customers and suppliers resulting in temporary or long-term outages and/or the limitation of supply of energy and other raw materials used in normal business operations. Linde evaluates the direct and indirect business risks, consults with vendors, insurance providers and industry experts, makes investments in suitably resilient design and technology, and conducts regular reviews of the business risks with management. Despite these steps, however, these situations are outside Linde's control and may have a significant adverse impact on its financial results.

The inability to attract and retain qualified personnel may adversely impact Linde's business.

If Linde fails to attract, hire and retain qualified personnel, it may not be able to develop, market or sell its products or successfully manage its business. Linde is dependent upon a highly skilled, experienced and efficient workforce to be successful. Much of Linde's competitive advantage is based on the expertise and experience of key personnel regarding marketing, technology, manufacturing and distribution infrastructure, systems and products. The inability to attract and hire qualified individuals or the loss of key employees in very skilled areas could have a negative effect on Linde's financial results.

If Linde fails to keep pace with technological advances in the industry or if new technology initiatives do not become commercially accepted, customers may not continue to buy Linde's products and results of operations could be adversely affected.

Linde's research and development is directed toward developing new and improved methods for the production and distribution of industrial gases, the design and construction of plants and toward developing new markets and applications for the use of industrial and process gases. This results in the introduction of new applications and the development of new advanced process technologies. As a result of these efforts, Linde develops new and proprietary technologies and employs necessary measures to protect such technologies within the global geographies in which Linde operates. These technologies help Linde to create a competitive advantage and to provide a platform to grow its business. If Linde's research and



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development activities do not keep pace with competitors or if Linde does not create new technologies that benefit customers, future results of operations could be adversely affected.

Risks related to pension benefit plans may adversely impact Linde's results of operations and cash flows.

Pension benefits represent significant financial obligations that will be ultimately settled in the future with employees who meet eligibility requirements. Because of the uncertainties involved in estimating the timing and amount of future payments and asset returns, significant estimates are required to calculate pension expense and liabilities related to Linde's plans. Linde utilizes the services of independent actuaries, whose models are used to facilitate these calculations. Several key assumptions are used in the actuarial models to calculate pension expense and liability amounts recorded in the consolidated financial statements. In particular, significant changes in actual investment returns on pension assets, discount rates, or legislative or regulatory changes could impact future results of operations and required pension contributions.

Operational risks may adversely impact Linde's business or results of operations.

Linde's operating results are dependent on the continued operation of its production facilities and its ability to meet customer contract requirements and other needs. Insufficient or excess capacity threatens Linde's ability to generate competitive profit margins and may expose Linde to liabilities related to contract commitments. Operating results are also dependent on Linde's ability to complete new construction projects on time, on budget and in accordance with performance requirements. Failure to do so may expose Linde's business to loss of revenue, potential litigation and loss of business reputation.

Also inherent in the management of Linde's production facilities and delivery systems, including storage, vehicle transportation and pipelines, are operational risks that require continuous training, oversight and control. Material operating failures at production, storage facilities or pipelines, including fire, toxic release and explosions, or the occurrence of vehicle transportation accidents could result in loss of life, damage to the environment, loss of production and/or extensive property damage, all of which may negatively impact Linde's financial results.

Linde may be subject to information technology system failures, network disruptions and breaches in data security.

Linde relies on information technology systems and networks for business and operational activities, and also stores and processes sensitive business and proprietary information in these systems and networks. These systems are susceptible to outages due to fire, flood, power loss, telecommunications failures, viruses, break-ins and similar events, or breaches of security.

Linde has taken steps to address these risks and concerns by implementing advanced security technologies, internal controls, network and data center resiliency and recovery processes. Despite these steps, however, our information technology systems have in the past been and in the future will likely be subject to increasingly sophisticated cyber attacks. Operational failures and breaches of security from such attempts could lead to the loss or disclosure of confidential information or personal data belonging to Linde or our employees and customers or suppliers. These failures and breaches could result in business interruption or malfunction and lead to legal or regulatory actions that could result in a material adverse impact on Linde's operations, reputation and financial results. To date, such attempts have not had any significant impact on Linde's operations or financial results.

The inability to effectively integrate acquisitions or collaborate with joint venture partners could adversely impact Linde's financial position and results of operations.

Linde has evaluated and expects to continue to evaluate, a wide array of potential strategic acquisitions and joint ventures. Many of these transactions, if consummated, could be material to its financial condition and results of operations. In addition, the process of integrating an acquired company, business or group of assets may create unforeseen operating difficulties and expenditures. Although historically Linde has been successful with its acquisition strategy and execution, the areas where Linde may face risks include:

- the need to implement or remediate controls, procedures and policies appropriate for a larger public company at companies that prior to the acquisition lacked these controls, procedures and policies;
- diversion of management time and focus from operating existing business to acquisition integration challenges;



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- cultural challenges associated with integrating employees from the acquired company into the existing organization;
- the need to integrate each company's accounting, management information, human resources and other administrative systems to permit effective management;
- difficulty with the assimilation of acquired operations and products;
- failure to achieve targeted synergies and cost reductions; and
- inability to retain key employees and business relationships of acquired companies.

Foreign acquisitions and joint ventures involve unique risks in addition to those mentioned herein, including those related to integration of operations across different cultures and languages, currency risks and the particular economic, political and regulatory risks associated with specific countries.

Also, the anticipated benefit of potential future acquisitions may not materialize. Future acquisitions or dispositions could result in the incurrence of debt, contingent liabilities or amortization expenses, or impairments of goodwill, any of which could adversely impact Linde's financial results.

Linde is subject to a variety of international laws and government regulations and changes in, or failure to comply with, these laws or regulations could have an adverse impact on the company's business, financial position and results of operations.

Linde is subject to regulations in the following areas, among others:

- environmental protection, including climate change and energy efficiency laws and policies;
- U.S. and non-U.S. tax laws and currency controls;
- safety;
- securities laws applicable in the United States, the European Union, and other jurisdictions;
- trade and import/export restrictions, as well as economic sanctions laws;
- antitrust matters;
- data protection;
- global anti-bribery laws, including the U.S. Foreign Corrupt Practices Act; and
- healthcare regulations.

Changes in these or other regulatory areas may impact Linde's profitability and may give rise to new or increased compliance risks: it may become more complex and costly to ensure compliance, and the level of sanctions in the event of non-compliance may rise. Noncompliance with such laws and regulations could result in penalties or sanctions, cancellation of marketing rights or restrictions on participation in, or even exclusion from, public tender proceedings, all of which could have a material adverse impact on Linde's financial results and/or reputation.

Such changes may also restrict Linde's ability to compete effectively in the marketplace. Changes to regulations in the areas of environmental protection and climate change, for example, may impact customer and competitor behavior driving structural changes in key end markets. While Linde will work to mitigate these risks through the pursuit of strategic alliances and investment in applications technologies to capture new growth areas, given the uncertainty about the type and scope of new regulations, it is difficult to predict how such changes and their impact on market behavior will ultimately impact Linde's business. However, such changes could have a material adverse impact on Linde's results of operations.

Doing business globally requires Linde to comply with anti-corruption, trade, compliance and economic sanctions and similar laws, and to implement policies and procedures designed to ensure that its employees and other intermediaries comply with the applicable restrictions. These restrictions include prohibitions on the sale or supply of certain products, services and any other economic resources to embargoed or sanctioned countries, governments, persons and entities. Compliance with these restrictions requires, among other things, screening of business partners. Despite its commitment to legal compliance and corporate ethics, the company cannot ensure that its policies and procedures will always protect it from intentional, reckless or negligent acts committed by employees or agents under the applicable laws. If Linde fails to comply with laws governing the conduct of international operations, Linde may be subject to criminal and civil penalties and other remedial measures, which could materially adversely affect its reputation, business and results of operations.



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The outcome of litigation or governmental investigations may adversely impact the company's business or results of operations.

Linde's subsidiaries are party to various lawsuits and governmental investigations arising in the ordinary course of business. Adverse outcomes in some or all of the claims pending may result in significant monetary damages or injunctive relief that could adversely affect Linde's ability to conduct business. Linde and its subsidiaries may in the future become subject to further claims and litigation, which is impossible to predict. The litigation and other claims Linde faces are subject to inherent uncertainties. Legal or regulatory judgments or agreed settlements might give rise to expenses which are not covered, or are not fully covered, by insurance benefits and may also lead to negative publicity and reputational damage. An unfavorable outcome or determination could cause a material adverse impact on the company's results of operations.

Potential product defects or inadequate customer care may adversely impact Linde's business or results of operations.

Risks associated with products and services may result in potential liability claims, the loss of customers or damage to Linde's reputation. Principal possible causes of risks associated with products and services are product defects or an inadequate level of customer care when Linde is providing services.

Linde is exposed to legal risks relating to product liability in the countries where it operates, including countries such as the United States, where legal risks (in particular through class actions) have historically been more significant than in other countries. The outcome of any pending or future products and services proceedings or investigations cannot be predicted and legal or regulatory judgments or agreed settlements may give rise to significant losses, costs and expenses.

The manufacturing and sale of products as well as the construction and sale of plants by Linde may give rise to risks associated with the production, filling, storage, handling and transport of raw materials, goods or waste. Industrial gases are potentially hazardous substances and medical gases and the related healthcare services must comply with the relevant specifications in order to not adversely affect the health of patients treated with them.

Linde's products and services, if defective or not handled or performed appropriately, may lead to personal injuries, business interruptions, environmental damages or other significant damages, which may result, among other consequences, in liability, losses, monetary penalties or compensation payments, environmental clean-up costs or other costs and expenses, exclusion from certain market sectors deemed important for future development of the business and loss of reputation. All these consequences could have a material adverse effect on Linde's business and results of operations.

U.S. civil liabilities may not be enforceable against Linde.

Linde is organized under the laws of Ireland and substantial portions of its assets are located outside of the United States. In addition, certain directors and officers of Linde and its subsidiaries reside outside the United States. As a result, it may be difficult for investors to effect service of process within the United States upon Linde or such persons, or to enforce outside the United States judgments obtained against such persons in U.S. courts in any action, including actions predicated upon the civil liability provisions of the U.S. federal securities laws. In addition, it may be difficult for investors to enforce, in original actions brought in courts in jurisdictions located outside the United States, rights predicated upon the U.S. federal securities laws.

A judgment for the payment of money rendered by a court in the United States based on civil liability would not be automatically enforceable in Ireland. There is no treaty between Ireland and the United States providing for the reciprocal enforcement of foreign judgments. The following requirements must be met before the foreign judgment will be deemed to be enforceable in Ireland (i) the judgment must be for a definite sum, (ii) the judgment must be final and conclusive; and (iii) the judgment must be provided by a court of competent jurisdiction.

An Irish court will also exercise its right to refuse judgment if the foreign judgment (i) was obtained by fraud; (ii) violated Irish public policy; (iii) is in breach of natural justice; or (iv) if the judgment is irreconcilable with an earlier foreign judgment.

In addition, there is doubt as to whether an Irish court would accept jurisdiction and impose civil liability on Linde or such persons in an original action predicated solely upon the U.S. federal securities laws brought in a court of competent jurisdiction in Ireland against Linde or such member, officer or expert, respectively.



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Changes in tax laws or policy could adversely impact the company's financial position or results of operations.

Linde and its subsidiaries are subject to the tax rules and regulations in the U.S., Germany, Ireland, the U.K. and other countries in which they operate. Those tax rules and regulations are subject to change on a prospective or retroactive basis. Under current economic and political conditions tax rates and policies in any jurisdiction, including the U.S., the U.K. and the EU, are subject to significant changes which could result in a significant change to Linde's current and deferred income tax. In particular, since Linde is currently treated as U.K. tax resident, any potential changes in the tax rules applying to U.K. tax-resident companies would directly affect Linde.

This includes the Organization for Economic Cooperation & Development's ("OECD") framework for a 15% global minimum tax rate ("Pillar Two"). The U.K. and a majority of EU member states implemented Pillar Two effective January 1, 2024. The OECD continues to issue additional guidance as countries adopt legislation. Linde continues to monitor and evaluate enacted and pending legislation in the jurisdictions in which it operates, as such changes could result in an increase in our effective tax rate.

A change in Linde's tax residency could have a negative effect on the company's future profitability and may trigger taxes on dividends or exit charges. If Linde ceases to be resident in the U.K. and becomes resident in another jurisdiction, it may be subject to U.K. exit charges, and/or could become liable for additional tax charges in the other jurisdiction. If Linde were to be treated as resident in more than one jurisdiction, it could be subject to duplicative taxation. Furthermore, although Linde is incorporated in Ireland and is not expected to be treated as a domestic corporation for U.S. federal income tax purposes, it is possible that the IRS could challenge this result or that changes in U.S. federal income tax law could alter this result. If the IRS successfully asserted such a position or the law were to change, significant adverse tax consequences may result for Linde, the company and Linde's shareholders.

Changes in tax laws may result in higher tax expense and tax payments. In addition, changes in tax legislation and uncertainty about the tax environment in some regions may restrict Linde's opportunity to enforce its respective rights under the law. Linde also operates in countries with complex tax regulations which could be interpreted in different ways. Linde and its subsidiaries are subject to audits by taxing authorities in various jurisdictions or other review actions by the relevant financial or tax authorities. The ultimate tax outcome may differ from the amounts recorded in Linde's or its subsidiaries' financial statements and may materially affect their respective financial results for the period when such determination is made.



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ITEM 1B. UNRESOLVED STAFF COMMENTS

Not applicable.

ITEM 1C. CYBERSECURITY

Risk Management & Strategy

Cybersecurity is identified as a top enterprise risk given the company's reliance on information technology systems and networks for business and operational activities. Linde has taken steps to address these risks and concerns by implementing cybersecurity and risk management processes that include advanced security technologies, internal controls, network and data center resiliency and disaster recovery processes.

Linde is implementing a series of security enhancements based on the Zero Trust principle. Linde maintains a Standard Operating Procedure for Global Security Incident Response that defines how Linde responds to cyber incidents, including escalation, reporting and remediation procedures. Dedicated cybersecurity teams conduct surveillance for potential threats and implement both procedural and technological controls to protect data and to maintain safe, uninterrupted operations. The company engages third parties in connection with these efforts to provide independent analysis and advice on cybersecurity risks, incidents and other cyber security related matters. In addition, to help our people recognize information and cybersecurity concerns and respond accordingly, Linde conducts mandatory trainings and cybersecurity awareness programs for employees.

Third party software providers that facilitate Linde's business activities are also sources of cybersecurity risk for the company. Linde performs risk assessment procedures including evaluation of the overall health of the control environment for certain third-party providers.

Despite these steps, however, our information technology systems have in the past been and in the future will likely be subject to increasingly sophisticated cyber attacks. Operational failures and breaches of security from such attempts could lead to the loss or disclosure of confidential information or personal data belonging to Linde or our employees and customers or suppliers. These failures and breaches could result in business interruption or malfunction and lead to legal or regulatory actions that could result in a material adverse impact on Linde's operations, reputation and financial results. To date, such attempts have not had any significant impact on Linde's operations or financial results.

Governance

Information and cybersecurity risk management fall under the oversight of the Audit Committee. The Audit Committee receives an annual review, followed by quarterly updates, of the Company's cybersecurity systems, enhancements, strategies and risk management efforts, and the Chair of the Audit Committee will be promptly notified of any material cybersecurity breach incident. In addition, the full Board reviews cybersecurity as part of its regular risk reviews. Linde has appointed a Global Chief Information Officer (CIO) reporting to the Chief Financial Officer (CFO). A Chief Information Security Officer reports to the CIO and is supported by a global IT security team.

ITEM 2. PROPERTIES

Linde's principal executive offices are located in leased office space in Woking, United Kingdom and owned office space in Danbury, Connecticut. Linde also owns principal administrative office space in Tonawanda, New York, United States and Pullach, Germany.

Due to the nature of Linde's industrial gas products, it is generally uneconomical to transport most products distances greater than a few hundred miles from the production facility. As a result, Linde operates a significant number of production facilities spread globally throughout a number of geographic regions.

The following is a description of production facilities for Linde by segment. No significant portion of these assets was leased at December 31, 2023. Generally, these facilities are utilized and are sufficient to meet the company's manufacturing needs.

Americas



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The Americas segment operates production facilities primarily in the U.S., Canada, Mexico and Brazil, approximately 350 of which are mainly cryogenic air separation plants, hydrogen plants and carbon dioxide plants. There are five major pipeline complexes in North America located in northern Indiana, Houston, along the Gulf Coast of Texas, Detroit and Louisiana. Also located throughout the Americas are noncryogenic air separation plants, packaged gas facilities and other smaller plant facilities.

EMEA

The EMEA segment has production facilities primarily in Germany, the U.K., Eastern Europe, France, Sweden and the Republic of South Africa which include approximately 275 cryogenic air separation plants and carbon dioxide plants. Also located throughout Europe are noncryogenic air separation plants, pipelines, hydrogen, packaged gas facilities and other smaller plant facilities.

APAC

The APAC segment has production facilities located primarily in China, Australia, India, South Korea and Thailand, approximately 230 of which are cryogenic air separation plants and carbon dioxide plants. Also located throughout Asia are noncryogenic air separation plants, pipelines, hydrogen, packaged gas and other production facilities.

Engineering

The Engineering business designs and constructs turnkey process plants for third-party customers as well as for the gases businesses in many locations worldwide, such as air separation, hydrogen, synthesis, olefin and natural gas plants. Plant components are produced in owned factories in Tacherting, Germany; Hesingue, France; New York and Oklahoma, United States; and Dalian, China.

ITEM 3. LEGAL PROCEEDINGS

Information required by this item is incorporated herein by reference to the section captioned "Notes to Consolidated Financial Statements – 17. Commitments and Contingencies" in Item 8 of this 10-K.

ITEM 4. MINE SAFETY DISCLOSURES

Not Applicable.



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PART II

ITEM 5. MARKET FOR REGISTRANT'S COMMON EQUITY, RELATED STOCKHOLDER MATTERS AND ISSUER PURCHASES OF EQUITY SECURITIES

Linde plc shares trade on the Nasdaq Stock Market LLC ("Nasdaq") under the ticker symbol "LIN". At December 31, 2023 there were 6,596 shareholders of record. From January 1, 2023 through November 6, 2023, Linde's shares were traded on the New York Stock Exchange ("NYSE"), but effective November 7, 2023, Linde delisted its shares from the NYSE and began listing and trading its shares on the Nasdaq.

Purchases of Equity Securities – Certain information regarding purchases made by or on behalf of the company or any affiliated purchaser (as defined in Rule 10b-18(a)(3) under the Securities Exchange Act of 1934, as amended) of its ordinary shares during the three months ended December 31, 2023 is provided below:

<u>Period</u>	<u>Total Number of Shares Purchased (Thousands)</u>	<u>Average Price Paid Per Share</u>	<u>Total Number of Shares Purchased as Part of Publicly Announced Programs (1) (Thousands)</u>	<u>Approximate Dollar Value of Shares that May Yet be Purchased Under the Programs (2) (Millions)</u>
October 2023	852	\$ 373.13	852	\$ 17,051
November 2023	657	\$ 400.45	657	\$ 16,788
December 2023	1,042	\$ 405.41	1,042	\$ 16,366
Fourth Quarter 2023	<u>2,551</u>	<u>\$ 393.35</u>	<u>2,551</u>	<u>\$ 16,366</u>

(1) On February 28, 2022 the company's board of directors approved the repurchase of \$10.0 billion of its ordinary shares ("2022 program") which could take place from time to time on the open market (and could include the use of 10b5-1 trading plans), subject to market and business conditions. The 2022 program has a maximum repurchase amount of 15% of outstanding shares, beginning on March 1, 2022 and expires on July 31, 2024.

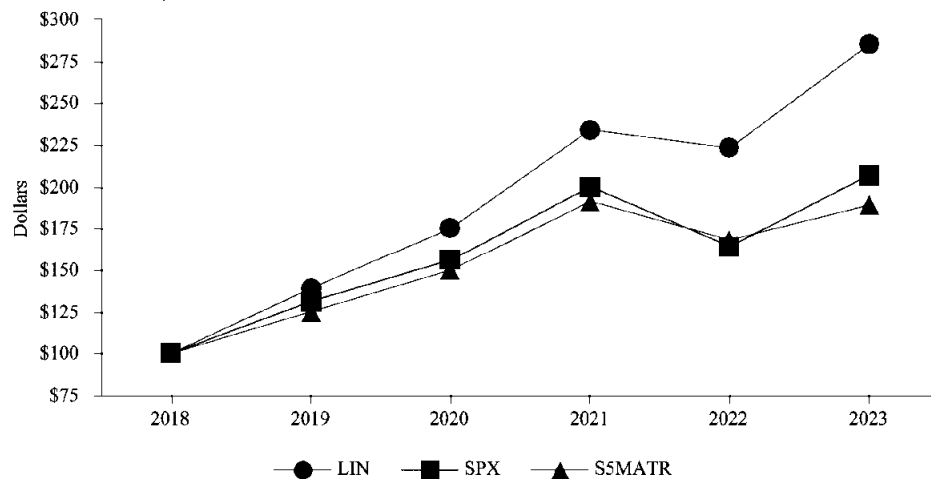
On October 23, 2023, the company's board of directors approved the repurchase of \$15.0 billion of its ordinary shares ("2023 program") which could take place from time to time on the open market (and could include the use of 10b5-1 trading plans), subject to market and business conditions. The 2023 program began on October 23, 2023 and will terminate on the earlier of the date as the maximum authority under the 2023 program is reached or the board terminates the 2023 program.

(2) As of December 31, 2023, the company repurchased \$8.6 billion of its ordinary shares pursuant to the 2022 program. As of December 31, 2023, \$1.4 billion and \$15 billion of share repurchases remain authorized under the 2022 and 2023 programs, respectively.



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Peer Performance Table – The graph below compares the most recent five-year cumulative returns of Linde's ordinary shares with those of the Standard & Poor's 500 Index ("SPX") and the S5 Materials Index ("S5MATR") which covers 28 companies, including Linde. The figures assume an initial investment of \$100 on December 31, 2018 and that all dividends have been reinvested.



	2018	2019	2020	2021	2022	2023
LIN	\$100	\$139	\$175	\$234	\$223	\$285
SPX	\$100	\$131	\$156	\$200	\$164	\$207
S5MATR	\$100	\$125	\$150	\$191	\$168	\$189

ITEM 6. RESERVED

Not applicable.



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ITEM 7. MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS

The following discussion of the company's financial condition and results of operations should be read together with its consolidated financial statements and notes to the consolidated financial statements included in Item 8 of this Form 10-K.

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BUSINESS OVERVIEW

The company's primary products in its industrial gases business are atmospheric gases (oxygen, nitrogen, argon, rare gases) and process gases (carbon dioxide, helium, hydrogen, electronic gases, specialty gases, acetylene). The company also designs, engineers, and builds equipment that produces industrial gases and offers its customers a wide range of gas production and processing services such as olefin plants, natural gas plants, air separation plants, hydrogen and synthesis gas plants and other types of plants.

Linde's industrial gas operations are managed on a geographical basis and in 2023 90% of sales were generated by Linde's three geographic segments (Americas, EMEA and APAC) and the remaining 10% are related largely to the Engineering segment, and to a lesser extent Other (see Note 18 to the consolidated financial statements for operating segment details).

Linde serves a diverse group of industries including healthcare, chemicals and energy, manufacturing, metals and mining, food and beverage, and electronics. The diversity of end-markets supports financial stability for Linde in varied business cycles.

Linde's industrial gas business generates most of its revenues and earnings in the following geographies where the company has its strongest market positions and where distribution and production operations allow the company to deliver the highest level of service to its customers at the lowest cost.

North and South America ("Americas")

United States
Brazil
Mexico
Canada

Europe, Middle East and Africa ("EMEA")

Germany
United Kingdom
Eastern Europe

Asia and Pacific ("APAC")

China
Australia
South Korea
India

The company manufactures and distributes its industrial gas products through networks of thousands of production plants, pipeline complexes, distribution centers and delivery vehicles. Major pipeline complexes are primarily located in the United States and China. These networks are a competitive advantage, providing the foundation of reliable product supply to the company's customer base. The majority of Linde's business is conducted through long-term contracts which provide stability in cash flow and the ability to pass through changes in energy and feedstock costs to customers. The company has growth opportunities in all major geographies and in diverse end-markets such as healthcare, chemicals and energy, manufacturing, metals and mining, food and beverage, and electronics.



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EXECUTIVE SUMMARY – FINANCIAL RESULTS & OUTLOOK

2023 Year in review

- Sales of \$32,854 million were 2% below 2022 sales of \$33,364 million. Cost pass-through, representing the contractual billing of energy cost variances primarily to onsite customers, decreased sales by 3% with minimal impact on operating profit. Engineering decreased sales by 2%. Volumes decreased sales by 1%. Currency translation decreased sales by 1%, largely in APAC. Divestitures, net of acquisitions, decreased sales by 1% primarily due to the divestment of the GIST business, partially offset by the nexAir, LLC acquisition. The aforementioned drivers were partially offset by 6% higher price attainment across all geographic segments.
- Reported operating profit of \$8,024 million was 49% above 2022. Adjusted operating profit of \$9,070 million was 15% above 2022. The increase in the reported operating profit was primarily driven by the Russia-Ukraine conflict and other charges recorded in 2022 and included higher pricing, savings from productivity initiatives, and lower depreciation and amortization driven by merger related intangible assets. These increases more than offset the adverse impacts of cost inflation and lower volumes in the year. The adjusted operating profit increase was primarily due to higher pricing and productivity initiatives, which more than offset the effects of cost inflation and lower volumes during the year.*
- Net income - Linde plc of \$6,199 million and diluted earnings per share of \$12.59 increased from \$4,147 million and \$8.23, respectively in 2022. Adjusted net income - Linde plc of \$6,989 million and adjusted diluted earnings per share of \$14.20 were 13% and 16%, respectively above 2022 adjusted amounts.*
- Cash flow from operations of \$9,305 million was \$441 million above 2022. The increase was driven by higher net income partially offset by higher net working capital requirements, including lower inflows from contract liabilities from engineering customer advanced payments. Capital expenditures were \$3,787 million; dividends paid were \$2,482 million; net purchases of ordinary shares of \$3,925 million; and debt borrowings, net were \$1,060 million.

*A reconciliation of the adjusted amounts can be found in the "Non-GAAP Financial Measures" section in this MD&A.

2024 Outlook

Linde provides quarterly updates on operating results, material trends that may affect financial performance, and financial guidance via earnings releases and investor teleconferences. These materials are available on the company's website, www.linde.com, but are not incorporated herein.



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CONSOLIDATED RESULTS AND OTHER INFORMATION

The discussion that follows includes a comparison of our results of operations and liquidity and capital resources for the years ended December 31, 2023 and 2022. For the discussion comparing the years ended December 31, 2022 and 2021, refer to Part II, Item 7, Management's Discussion and Analysis of Financial Condition and Results of Operations, of our Form 10-K for the year ended December 31, 2022.

The following table provides summary information for 2023 and 2022. The reported amounts are GAAP amounts from the Consolidated Statements of Income. The adjusted amounts are intended to supplement investors' understanding of the company's financial information and are not a substitute for GAAP measures.

(Millions of dollars, except per share data)

Year Ended December 31,	2023		2022		Variance
Reported Amounts					
Sales	\$	32,854	\$	33,364	(2)%
Cost of sales, exclusive of depreciation and amortization	\$	17,492	\$	19,450	(10)%
As a percent of sales		53.2 %		58.3 %	
Selling, general and administrative	\$	3,295	\$	3,107	6 %
As a percent of sales		10.0 %		9.3 %	
Depreciation and amortization	\$	3,816	\$	4,204	(9)%
Other charges (a)	\$	40	\$	1,029	—
Operating Profit	\$	8,024	\$	5,369	49 %
Operating margin		24.4 %		16.1 %	
Interest expense – net	\$	200	\$	63	217 %
Net pension and OPEB cost (benefit), excluding service cost	\$	(164)	\$	(237)	(31)%
Effective tax rate		22.7 %		25.9 %	
Income from equity investments	\$	167	\$	172	(3)%
Noncontrolling interests	\$	(142)	\$	(134)	6 %
Net Income - Linde plc	\$	6,199	\$	4,147	49 %
Diluted earnings per share	\$	12.59	\$	8.23	53 %
Diluted shares outstanding		492,290		504,038	(2)%
Number of employees		66,323		65,010	2 %
Adjusted Amounts (b)					
Operating profit	\$	9,070	\$	7,904	15 %
Operating margin		27.6 %		23.7 %	
Net Income - Linde plc	\$	6,989	\$	6,195	13 %
Diluted earnings per share	\$	14.20	\$	12.29	16 %
Other Financial Data (b)					
EBITDA	\$	12,007	\$	9,745	23 %
As percent of sales		36.5 %		29.2 %	
Adjusted EBITDA	\$	12,133	\$	10,873	12 %
As percent of sales		36.9 %		32.6 %	

(a) See Note 3 to the consolidated financial statements.

(b) Adjusted amounts and Other Financial Data are non-GAAP performance measures. A reconciliation of reported amounts to adjusted amounts can be found in the "Non-GAAP Financial Measures" section of this MD&A.



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Results of Operations

The following table provides a summary of changes in consolidated sales:

	2023 vs. 2022
	% Change
Factors Contributing to Changes - Sales	
Volume	(1)%
Price/Mix	6 %
Cost pass-through	(3)%
Currency	(1)%
Acquisitions/divestitures	(1)%
Engineering	(2)%
	(2)%

2023 Compared With 2022

Sales

Linde sales decreased \$510 million, or 2%, for the 2023 year versus 2022. Higher pricing across all geographic segments contributed 6% to sales. Cost pass-through, representing the contractual billing of energy cost variances primarily to onsite customers, decreased sales by 3%, with minimal impact on operating profit. Volumes decreased sales by 1% primarily driven by the electronics and metals and mining end markets. The impact of divestitures, net of acquisitions decreased sales by 1%. Currency translation decreased sales by 1%, largely in APAC, driven by the weakening of the Chinese yuan and Australian dollar against the U.S. dollar, partially offset by EMEA, driven by the strengthening of the Euro and British pound.

Cost of sales, exclusive of depreciation and amortization

Cost of sales, exclusive of depreciation and amortization, decreased \$1,958 million, or 10%, for the year primarily due to lower cost pass-through and volumes, the net impact of acquisitions and divestitures and productivity gains which more than offset cost inflation. Cost of sales, exclusive of depreciation and amortization, was 53.2% and 58.3% of sales, respectively, in 2023 compared to 2022. The decrease as a percentage of sales was primarily due to higher pricing and lower cost pass-through.

Selling, general and administrative expenses

Selling, general and administrative expense ("SG&A") increased \$188 million, from \$3,107 in 2022 to \$3,295 million in 2023. SG&A was 10.0% of sales in 2023 versus 9.3% in 2022. Currency impacts decreased SG&A by approximately \$3 million in 2023. Excluding currency impacts, underlying SG&A increased primarily due to higher costs including the acquisition of nexAir.

Depreciation and amortization

Reported depreciation and amortization expense decreased \$388 million, or 9% versus 2022. The decrease is primarily due to lower depreciation and amortization of assets acquired in the merger.

On an adjusted basis, depreciation and amortization expense increased \$102 million, or 4%, versus 2022. Currency impacts decreased depreciation and amortization by \$29 million in 2023. Excluding currency, underlying depreciation and amortization increased due to the net impact of acquisitions and new project start ups.

Other charges

Other charges were \$40 million and \$1,029 million for 2023 and 2022, respectively. In 2023, the costs primarily related to severance in the Engineering segment and expenses incurred due to the intercompany reorganization. The charge for 2022 relates primarily to the deconsolidation and impairment of Russian subsidiaries resulting from the ongoing war in Ukraine and related sanctions recorded as of June 30, 2022.

On an adjusted basis, these charges have been excluded in both periods.

Operating profit

Reported operating profit increased \$2,655 million in 2023, or 49%. On an adjusted basis, operating profit increased \$1,166 million, or 15%, for 2023 versus 2022.



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On a reported basis, the increase was primarily driven by Russia-Ukraine conflict and other charges recorded in 2022 and included higher pricing, savings from productivity initiatives, and lower depreciation and amortization driven by merger related intangible assets. These increases more than offset the adverse impacts of inflation and currency in the year as well as other charges of \$40 million.

On an adjusted basis, which excludes the impacts of purchase accounting as well as other charges, operating profit increased \$1,166 million, or 15%. Operating profit growth was driven by higher pricing, and productivity initiatives, partially offset by cost inflation and lower volumes. A discussion of operating profit by segment is included in the segment discussion that follows.

Interest expense - net

Reported interest expense – net in 2023 increased \$137 million, or 217%, versus 2022. On an adjusted basis interest expense increased \$118 million, or 120% in 2023 as compared to 2022. The increase was driven primarily by higher interest rates on debt and included approximately \$28 million of devaluation impacts from hyperinflationary countries.

Net pension and OPEB cost (benefit), excluding service cost

Reported net pension and OPEB cost (benefit), excluding service cost were benefits of \$164 million and \$237 million in 2023 and 2022, respectively. The decrease in benefit primarily relates to higher interest cost reflective of the higher discount rate environment year-over-year (see Note 16 to the consolidated financial statements).

Effective tax rate

The reported effective tax rate ("ETR") for 2023 was 22.7% versus 25.9% in 2022. The decrease in the rate is primarily related to a net decrease in the company's uncertain tax positions and the absence of the net unfavorable tax expense resulting from the Russia impairment and deconsolidation in 2022 (see Note 3 to the consolidated financial statements).

On an adjusted basis, the ETR for 2023 was 23.6% versus 24.2% in 2022. The decrease includes higher tax benefits from share based compensation.

Income from equity investments

Reported income from equity investments for 2023 was \$167 million as compared to \$172 million in 2022. On an adjusted basis, income from equity investments for 2023 was \$239 million versus \$247 million in 2022.

On an adjusted basis, the year-over-year decrease in income from equity investments was primarily driven by the overall performance of investments in APAC.

Noncontrolling interests

At December 31, 2023, noncontrolling interests from continuing operations consisted primarily of noncontrolling shareholders' investments in APAC (primarily in China).

Reported noncontrolling interests from continuing operations increased \$8 million, from \$134 million in 2022 to \$142 million in 2023.

Adjusted noncontrolling interests from continuing operations decreased \$2 million in 2023 as compared to 2022.

Net Income - Linde plc

Reported net income - Linde plc increased \$2,052 million, or 49%. On an adjusted basis, which excludes the impacts of purchase accounting and other charges, net income - Linde plc increased \$794 million, or 13%, in 2023 versus 2022. On both a reported and adjusted basis, the increase was driven by higher operating profit.

Diluted earnings per share

Reported diluted earnings per share increased \$4.36, or 53%, in 2023 as compared to 2022. On an adjusted basis, diluted EPS of \$14.20 in 2023 increased 16% versus 2022. The increase on both a reported and adjusted basis is primarily due to higher net income - Linde plc and lower diluted shares outstanding.

Employees

The number of employees at December 31, 2023 was 66,323, an increase of 2%, or 1,313 employees from 2022, driven primarily by the acquisition of nexAir.



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Other Financial Data

EBITDA increased to \$12,007 million in 2023 from \$9,745 million in 2022. Adjusted EBITDA increased to \$12,133 million for 2023 as compared to \$10,873 million in 2022. The increase in both periods was driven by higher net income - Linde plc versus prior year.

See the "Non-GAAP Financial Measures" section for definitions and reconciliations of these non-GAAP measures to reported GAAP amounts.

Other Comprehensive Income (Loss)

Other comprehensive income (loss) for the year ended December 31, 2023 was a loss of \$35 million resulted primarily from losses related to the change in funded status of retirement plans of \$380 million and derivative losses of \$55 million largely offset by currency translation adjustments of \$400 million. The translation adjustments reflect the impact of translating local currency foreign subsidiary financial statements to U.S. dollars, and are largely driven by the movement of the U.S. dollar against major currencies including the Euro, British pound and the Chinese yuan. See the "Currency" section of the MD&A for exchange rates used for translation purposes and Note 7 to the consolidated financial statements for a summary of the currency translation adjustment component of accumulated other comprehensive income (loss) by segment.

Related Party Transactions

The company's related parties are primarily unconsolidated equity affiliates. The company did not engage in any material transactions involving related parties that included terms or other aspects that differ from those which would be negotiated with independent parties.

Environmental Matters

Linde's principal operations relate to the production and distribution of atmospheric and other industrial gases, many of which are used to help customers reduce their emissions. Worldwide costs relating to environmental protection may continue to grow due to increasingly stringent laws and regulations. In addition, Linde may face physical risks from climate change and extreme weather.

Climate Change

Linde operates in jurisdictions that have, or are developing, laws and/or regulations to reduce or mitigate the adverse effects of greenhouse gas ("GHG") emissions and therefore faces a highly uncertain regulatory environment in this area. For example, the U.S. Environmental Protection Agency ("EPA") has promulgated rules requiring reporting of GHG emissions to which Linde, its suppliers and customers are subject to. EPA has also promulgated regulations to restrict GHG emissions, including final rules regulating GHG emissions from light-duty vehicles and certain large manufacturing facilities, including some of Linde's suppliers and customers. In addition to these developments in the United States, several other countries worldwide have implemented carbon taxation or trading systems which impact the company and its customers, including regulations in China, Singapore and the European Union. Among other impacts, such regulations are expected to raise the cost of energy, which is a significant cost for Linde. Nevertheless, Linde's long-term customer contracts routinely provide rights to recover increased electricity, natural gas, and other costs that are incurred by the company as a result of climate change regulation.

Linde anticipates continued growth in hydrogen sales due to increased focus on decarbonization projects. Traditionally, hydrogen production plants and a large number of other manufacturing and electricity-generating plants have been identified as sources of carbon dioxide emissions and these plants are subject to cap-and-trade regulations in jurisdictions including California and the European Union. Linde believes it will be able to mitigate the costs of these regulations through the terms of its product supply contracts. However, legislation that limits GHG emissions may impact growth by increasing capital, compliance, operating and maintenance costs and/or decreasing demand.

To manage business risks from current and potential GHG emission regulation as well as physical consequences of climate change, Linde actively monitors current developments, evaluates the direct and indirect business risks, and takes appropriate actions. Among others, actions include: increasing relevant resources and training; maintaining contingency plans; obtaining advice and counsel from expert vendors, insurance providers and industry experts; incorporating GHG provisions in commercial agreements; and conducting regular reviews of the business risks with management. Although there are considerable uncertainties, Linde believes that the business risk from potential regulations can be effectively managed through its commercial contracts. Additionally, Linde's plant design, operations, and risk management teams are



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engaged to manage and mitigate losses from physical climate change, and the company does not anticipate any material effects regarding its plant operations or business arising from potential physical risks of climate change.

Linde continuously seeks opportunities to optimize energy use and GHG emissions through research and development in customer applications and rigorous operational energy efficiency, sourcing low-carbon source energy, and purchasing hydrogen as a chemical byproduct where feasible. Linde tracks GHG emission performance versus targets and reports regularly to business management and annually to Linde's Board of Directors. The Sustainability Committee is responsible for oversight of the Company's programs, policies and strategies related to environmental matters, including climate change, greenhouse gas reduction goals and decarbonization solutions, such as clean energy and carbon management.

At the same time, external factors may provide Linde with future business opportunities. Examples include current legislation, such as the Inflation Reduction Act in the U.S., which provides for investments in production of clean hydrogen and decarbonization technologies. Other factors include governmental regulation of GHG and other emissions; uncertain costs of energy and certain natural resources; the development of renewable energy alternatives; and new technologies that help extract natural gas, improve air quality, increase energy efficiency and mitigate the impacts of climate change. Linde continues to develop new applications that can help customers lower emissions by reducing energy consumption and increasing product throughput. Stricter regulation of water quality in emerging economies such as China provide a growing market for a number of gases, e.g., oxygen for wastewater treatment. Increased concern about drought in areas such as California and Australia may create additional markets for carbon dioxide for desalination. Renewable fuel standards in the European Union and U.S. can create a market for second-generation biofuels which use industrial gases such as oxygen, carbon dioxide, and hydrogen.

Costs Relating to the Protection of the Environment

Environmental protection costs in 2023 were not significant. Linde anticipates that future annual environmental protection expenditures will be similar to 2023, subject to any significant changes in existing laws and regulations. Based on historical results and current estimates, management does not believe that environmental expenditures will have a material adverse effect on the consolidated financial position, the consolidated results of operations or cash flows in any given year.

Legal Proceedings

See Note 17 to the consolidated financial statements for information concerning legal proceedings.

Retirement Benefits

Pensions

The net periodic benefit cost (benefit) for the U.S. and non-U.S. pension plans was a benefit of \$80 million, \$110 million and \$35 million in 2023, 2022 and 2021, respectively.

The funded status (pension benefit obligation ("PBO") less the fair value of plan assets) for the U.S. plans was a deficit of \$137 million and \$238 million at December 31, 2023 and 2022, respectively. The funded status for non-U.S. plans was a deficit of \$207 million and surplus of \$208 million at December 31, 2023 and 2022, respectively. The U.S. plan derived a benefit from the actual return on plan assets. Non-U.S. plans also experienced an increase in plan assets, offset by unfavorability generated from a higher PBO due to a decrease in discount rates.

Global pension contributions were \$46 million in 2023, \$51 million in 2022, and \$42 million in 2021. At a minimum, Linde contributes to its pension plans to comply with local regulatory requirements (e.g., ERISA in the U.S.). Discretionary contributions in excess of the local minimum requirements are made based on many factors, including long-term projections of the plans' funded status, the economic environment, potential risk of overfunding, pension insurance costs and alternative uses of cash. Changes to these factors can impact the timing of discretionary contributions from year to year. Estimated required contributions for 2024 are currently expected to be in the range of \$35 million to \$45 million.

Linde assumes expected returns on plan assets for 2024 of 7.00% and 5.83% for the U.S. and non-U.S. plans, respectively, which are consistent with the long-term expected returns on its investment portfolios.

Excluding the impact of any settlements, 2024 consolidated pension expense is expected to be a benefit of approximately \$115 million. The benefit derived from the expected return on assets assumption for Linde's most significant plans is anticipated to more than offset the expense from service and interest cost accruals and the higher amortization of deferred losses.



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Refer to the Critical Accounting Estimates section and Note 16 to the consolidated financial statements for a more detailed discussion of the company's retirement benefits, including a description of the various retirement plans and the assumptions used in the calculation of net periodic benefit cost (benefit) and funded status.

Insurance

Linde purchases insurance to limit a variety of property and casualty risks, including those related to property, business interruption, third-party liability and workers' compensation. Currently, the company self retains up to \$10 million per occurrence for vehicle liability in the United States, \$5 million per occurrence for workers' compensation and general liability. In addition, the company self retains risk up to €5 to €7.5 million at its various properties worldwide for property damage resulting from fire, flood and other perils affecting its properties along with a separate €5 to €7.5 million deductible on business interruption resulting from a major peril loss. To mitigate its aggregate loss potential above these retentions, the company purchases catastrophic insurance coverage from highly rated insurance companies. The company does not currently operate or participate in any captive insurance companies or other non-traditional risk transfer alternatives.

At December 31, 2023 and 2022, the company had recorded a total of \$75 million and \$71 million, respectively, representing an estimate of the retained liability for the ultimate cost of claims incurred and unpaid as of the balance sheet dates. The estimated liability is established using statistical analysis and is based upon historical experience, actuarial assumptions and professional judgment. These estimates are subject to the effects of trends in loss severity and frequency and are subject to a significant degree of inherent variability. If actual claims differ from the company's estimates, they will be adjusted at that time and financial results could be impacted.

Linde recognizes estimated insurance proceeds relating to damages at the time of loss only to the extent of incurred losses. Any insurance recoveries for business interruption and for property damages in excess of the net book value of the property are recognized only when realized or pending payments confirmed by its insurance companies.



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SEGMENT DISCUSSION

Linde's operations consist of two major product lines: industrial gases and engineering. As further described in the following paragraph, Linde's industrial gases operations are managed on a geographic basis, which represents three of the company's reportable segments - Americas, EMEA (Europe/Middle East/Africa), and APAC (Asia/South Pacific); a fourth reportable segment, which represents the company's Engineering business, designs and manufactures equipment for air separation and other industrial gas applications specifically for end customers and is managed on a worldwide basis operating in all geographic segments. Other consists of corporate costs and a few smaller businesses which individually do not meet the quantitative thresholds for separate presentation.

The industrial gases product line centers on the manufacturing and distribution of atmospheric gases (oxygen, nitrogen, argon, rare gases) and process gases (carbon dioxide, helium, hydrogen, electronic gases, specialty gases, acetylene). Many of these products are co-products of the same manufacturing process. Linde manufactures and distributes nearly all of its products and manages its customer relationships on a regional basis. Linde's industrial gases are distributed to various end-markets within a regional segment through one of three basic distribution methods: on-site or tonnage; merchant or bulk; and packaged or cylinder gases. The distribution methods are generally integrated in order to best meet the customer's needs and very few of its products can be economically transported outside of a region. Therefore, the distribution economics are specific to the various geographies in which the company operates and are consistent with how management assesses performance.

The company's measure of profit/loss for segment reporting purposes is segment operating profit. Segment operating profit is defined as operating profit excluding purchase accounting impacts of the Linde AG merger, intercompany royalties, and items not indicative of ongoing business trends. This is the manner in which the company's Chief Operating Decision Maker ("CODM") assesses performance and allocates resources.

The table below presents sales and operating profit information about reportable segments and Other for the years ended December 31, 2023 and 2022.

<u>(Millions of dollars)</u> <u>Year Ended December 31,</u>	<u>2023</u>	<u>2022</u>	<u>Variance</u>
Sales			
Americas	\$ 14,304	\$ 13,874	3 %
EMEA	8,542	8,443	1 %
APAC	6,559	6,480	1 %
Engineering	2,160	2,762	(22)%
Other	1,289	1,805	(29)%
Total sales	<u>\$ 32,854</u>	<u>\$ 33,364</u>	(2)%
Operating Profit			
Americas	\$ 4,244	\$ 3,732	14 %
EMEA	2,486	2,013	23 %
APAC	1,806	1,670	8 %
Engineering	491	555	(12)%
Other	43	(66)	165 %
Segment operating profit	<u>9,070</u>	<u>7,904</u>	15 %
Reconciliation to reported operating profit :			
Other charges (Note 3)	(40)	(1,029)	
Purchase accounting impacts - Linde AG	(1,006)	(1,506)	
Total operating profit	<u>\$ 8,024</u>	<u>\$ 5,369</u>	



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Americas

(Dollar amounts in millions)

Year Ended December 31,

	2023	2022	Variance 2023 vs. 2022
Sales	\$ 14,304	\$ 13,874	3 %
Operating profit	\$ 4,244	\$ 3,732	14 %
As a percent of sales	29.7 %	26.9 %	
		2023 vs. 2022	
		% Change	
Factors Contributing to Changes - Sales			
Volume			— %
Price/Mix			6 %
Cost pass-through			(6)%
Currency			— %
Acquisitions/Divestitures			3 %
			3 %

The Americas segment includes Linde's industrial gases operations in approximately 20 countries including the United States, Canada, Mexico and Brazil.

Sales

Sales for the Americas segment increased \$430 million, or 3%, in 2023 versus 2022. Higher pricing contributed 6% to sales. The impact of net acquisitions increased sales by 3% primarily due to the acquisition of nexAir, LLC (See Note 2 to the consolidated financial statements). Cost past-through decreased sales by 6% with minimal impact on operating profit. Volumes and currency translation remained flat.

Operating Profit

Operating profit in the Americas segment increased \$512 million, or 14%, in 2023 versus 2022 driven primarily by higher pricing, acquisitions and continued productivity initiatives which more than offset cost inflation the year.

EMEA

(Dollar amounts in millions)

Year Ended December 31,

	2023	2022	Variance 2023 vs. 2022
Sales	\$ 8,542	\$ 8,443	1 %
Operating profit	\$ 2,486	\$ 2,013	23 %
As a percent of sales	29.1 %	23.8 %	
		2023 vs. 2022	
		% Change	
Factors Contributing to Changes - Sales			
Volume			(4)%
Price/Mix			9 %
Cost pass-through			(3)%
Currency			1 %
Acquisitions/Divestitures			(2)%
			1 %



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The EMEA segment includes Linde's industrial gases operations in approximately 45 European, Middle Eastern and African countries including Germany, the U.K., France, Sweden and the Republic of South Africa.

Sales

EMEA segment sales increased by \$99 million, or 1%, in 2023 versus 2022. Higher price attainment increased sales by 9%. Volumes decreased sales by 4% led by the chemicals and energy end market. Cost pass-through decreased sales by 3% with minimal impact on operating profit. Currency translation increased sales by 1% due largely to the strengthening of the Euro and British pound against the U.S. Dollar. The impact of net divestitures decreased sales by 2% primarily due to the deconsolidation of the Russian subsidiaries in June 2022.

Operating Profit

Operating Profit for the EMEA segment increased \$473 million, or 23%, in 2023 versus 2022. The increase was driven primarily by higher pricing and continued productivity initiatives, partially offset by cost inflation, lower volumes and divestitures.

APAC

(Dollar amounts in millions)

Year Ended December 31,

	2023	2022	Variance 2023 vs. 2022
Sales	\$ 6,559	\$ 6,480	1 %
Operating profit	\$ 1,806	\$ 1,670	8 %
As a percent of sales	27.5 %	25.8 %	

Factors Contributing to Changes - Sales

	2023 vs. 2022 % Change
Volume/Equipment	2 %
Price/Mix	4 %
Cost pass-through	(1)%
Currency	(4)%
Acquisitions/Divestitures	— %
	1 %

The APAC segment includes Linde's industrial gases operations in approximately 20 Asian and South Pacific countries and regions including China, Australia, India and South Korea.

Sales

Sales for the APAC segment increased \$79 million, or 1%, in 2023 versus 2022. Volume increased 2% including project start-ups in the electronics and chemicals and energy end markets. Higher price increased sales by 4%. Cost pass-through decreased sales by 1% with minimal impact on operating profit. Currency translation decreased sales by 4% driven primarily by the weakening of the Australian dollar, Indian rupee and Chinese Yuan against the U.S. Dollar.

Operating Profit

Operating profit in the APAC segment increased \$136 million, or 8%, in 2023 versus 2022. The increase was primarily driven by higher pricing and continued productivity initiatives which more than offset the impact of currency and cost inflation.



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Engineering

(Dollar amounts in millions)

Year Ended December 31,

	2023	2022	Variance 2023 vs. 2022
Sales	\$ 2,160	\$ 2,762	(22)%
Operating profit	\$ 491	\$ 555	(12)%
As a percent of sales	22.7 %	20.1 %	
		2023 vs. 2022	
		% Change	
Factors Contributing to Changes - Sales			
Currency			1 %
Other			(23)%
			(22)%

Sales

Engineering segment sales decreased \$602 million, or 22%, in 2023 versus 2022 . The decrease was driven by project timing.

Projects for Russia that were sanctioned, and therefore terminated or suspended, have been lawfully wound down and represented approximately \$238 million and \$894 million of the Engineering segment sales during 2023 and 2022, respectively.

Operating profit

Engineering segment operating profit decreased \$64 million, or 12%, in 2023 versus 2022. The decline from lower sales was partially offset by higher margin on wind down of terminated or suspended projects sanctioned in Russia.



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Other

(Dollar amounts in millions)

Year Ended December 31,

	<u>2023</u>	<u>2022</u>	<u>Variance</u> <u>2023 vs. 2022</u>
Sales	\$ 1,289	\$ 1,805	(29)%
Operating profit	\$ 43	\$ (66)	165 %
As a percent of sales	3.3 %	(3.7)%	
		<u>2023 vs. 2022</u>	
		<u>% Change</u>	
Factors Contributing to Changes - Sales			
Volume/Price			2 %
Currency			— %
Acquisitions/Divestitures			(31)%
			<u>(29)%</u>

Other consists of corporate costs and a few smaller businesses including: Linde Advanced Materials Technology and global helium wholesale; which individually do not meet the quantitative thresholds for separate presentation.

Sales

Sales for Other decreased \$516 million, or 29%, in 2023 versus 2022. Divestitures decreased sales by 31% primarily due to sale of GIST business in third quarter of 2022. Volume/Price increased sales by 2% driven primarily by price in the coatings and global helium businesses, partially offset by lower coatings volumes.

Operating profit

Operating profit in Other increased \$109 million, or 165%, in 2023 versus 2022 driven primarily by higher pricing in global helium and coatings and lower corporate costs which more than offset the impact of divestitures and lower volumes.



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Currency

The results of Linde's non-U.S. operations are translated to the company's reporting currency, the U.S. dollar, from the functional currencies used in the countries in which the company operates. For most foreign operations, Linde uses the local currency as its functional currency. There is inherent variability and unpredictability in the relationship of these functional currencies to the U.S. dollar and such currency movements may materially impact Linde's results of operations in any given period.

To help understand the reported results, the following is a summary of the significant currencies underlying Linde's consolidated results and the exchange rates used to translate the financial statements (rates of exchange expressed in units of local currency per U.S. dollar):

Currency	Percent of 2023	Statements of Income		Balance Sheets	
	Consolidated	Average Year Ended December 31,		December 31,	
	Sales	2023	2022	2023	2022
Euro	19 %	0.92	0.95	0.92	0.93
Chinese yuan	8 %	7.08	6.72	7.10	6.90
British pound	5 %	0.80	0.81	0.79	0.83
Australian dollar	4 %	1.50	1.44	1.47	1.47
Brazilian real	4 %	4.99	5.16	4.86	5.28
Korean won	3 %	1,306	1,286	1,288	1,266
Canadian dollar	3 %	1.35	1.36	1.32	1.36
Mexican peso	3 %	17.71	20.10	16.97	19.50
Indian rupee	2 %	84.51	78.49	83.21	82.73
Republic of South African rand	1 %	18.43	16.30	18.36	17.04
Swedish krona	1 %	10.60	10.08	10.07	10.43
Thailand bhat	1 %	34.78	34.96	34.14	34.61



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LIQUIDITY, CAPITAL RESOURCES AND OTHER FINANCIAL DATA

(Millions of dollars)

Year Ended December 31,

Net Cash Provided by (Used for)

Operating Activities

	2023	2022
Income from continuing operations (including noncontrolling interests)	\$ 6,341	\$ 4,281
Non-cash charges (credits):		
Add: Other charges, net of payments (a)	(118)	902
Add: Depreciation and amortization	3,816	4,204
Add (Less): Deferred income taxes	(84)	(383)
Add (Less): Non-cash charges and other	184	58
Income from continuing operations adjusted for non-cash charges and other	10,139	9,062
Less: Pension contributions	(46)	(51)
Add (Less): Working capital	(483)	(310)
Add (Less): Other	(305)	163
Net cash provided by (used for) operating activities	<u>\$ 9,305</u>	<u>\$ 8,864</u>

Investing Activities

Capital expenditures	\$ (3,787)	\$ (3,173)
Acquisitions, net of cash acquired	(953)	(110)
Divestitures and asset sales, net of cash divested	70	195
Net cash provided by (used for) investing activities	<u>\$ (4,670)</u>	<u>\$ (3,088)</u>

Financing Activities

Debt increases (decreases) – net	\$ 1,060	\$ 4,475
Issuances (purchases) of ordinary shares – net	(3,925)	(5,132)
Cash dividends – Linde plc shareholders	(2,482)	(2,344)
Noncontrolling interest transactions and other	(53)	(88)
Net cash provided by (used for) financing activities	<u>\$ (5,400)</u>	<u>\$ (3,089)</u>

Effect of exchange rate changes on cash

	\$ (7)	\$ (74)
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Cash and cash equivalents, end-of-period

	\$ 4,664	\$ 5,436
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(a) See Note 3 to the consolidated financial statements.

Cash decreased \$772 million in 2023 versus 2022. The primary sources of cash in 2023 were cash flows from operations of \$9,305 million and debt borrowings, net of \$1,060 million. The primary uses of cash included capital expenditures of \$3,787 million, net purchases of ordinary shares of \$3,925 million, cash dividends to shareholders of \$2,482 million.

2023 compared with 2022

Cash Flows From Operations

Cash flows from operations was \$9,305 million, an increase of \$441 million from 2022. The increase was driven primarily by higher net income adjusted for non-cash charges, partially offset by higher working capital requirements, including lower inflows from contract liabilities from engineering customer advanced payments and higher cash tax payments. Other charges were \$40 million and \$1,029 million, for the years ended December 31, 2023 and 2022, respectively. 2022 charges related primarily to the deconsolidation and impairment of Russian subsidiaries resulting from the ongoing war in Ukraine and related sanctions. Related Other charges cash outflows were \$158 million and \$127 million for the years ended December 31, 2023 and 2022, respectively.

As of December 31, 2023, Linde has approximately \$418 million recorded in contract liabilities within the consolidated balance sheet related to suspended engineering projects in Russia.



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Investing

Net cash used for investing activities was \$4,670 million in 2023 compared to \$3,088 million in 2022 due to higher acquisitions, net of cash acquired and higher capital expenditures.

Capital expenditures in 2023 were \$3,787 million, an increase of \$614 million from 2022. Capital expenditures during 2023 related primarily to investments in new plant and production equipment for operating and growth requirements. Approximately 63% of the capital expenditures were in the Americas segment with 21% in the APAC segment and the rest primarily in the EMEA segment.

At December 31, 2023, Linde's sale of gas backlog of large projects under construction was approximately \$4.9 billion. This represents the total estimated capital cost of large plants under construction.

Acquisitions, net of cash acquired for 2023 were \$953 million, an increase of \$843 million from 2022, and related primarily to the acquisition of nexAir in the Americas (see Note 2 to the consolidated financial statements). Acquisitions, net of cash acquired for the year ended December 31, 2022 were \$110 million related primarily to the Americas and EMEA segments.

Divestitures and asset sales, net of cash divested in 2023 were \$70 million as compared to \$195 million in 2022. Divestiture proceeds in 2022 include cash received from the sale of the company's GIST business of \$184 million, net of cash divested of \$75 million, for net proceeds of \$109 million (see Note 2 to the consolidated financial statements).

Financing

Linde's financing strategy is to secure long-term committed funding by issuing public notes and debentures and commercial paper backed by a long-term bank credit agreement. Linde's international operations are funded through a combination of local borrowing and intercompany funding to minimize the total cost of funds and to manage and centralize currency exchange exposures. As deemed necessary, Linde manages its exposure to interest-rate changes through the use of financial derivatives (see Note 12 to the consolidated financial statements and Item 7A. Quantitative and Qualitative Disclosures About Market Risk).

Cash used for financing activities was \$5,400 million in 2023 compared to \$3,089 million in 2022. Cash provided by debt was \$1,060 million in 2023 versus \$4,475 million in 2022, driven primarily by lower inflows from commercial paper borrowings and lower net debt issuances in 2023. In February 2023, Linde repaid \$500 million of 2.70% notes that became due. In April 2023, Linde repaid €650 million of 2.00% notes and £300 million of 5.875% notes that became due. In June 2023, Linde issued €500 million of 3.625% notes due in 2025, €750 million of 3.375% notes due in 2029 and €650 million of 3.625% notes due in 2034.

In February 2024, Linde issued €700 million of 3.00% notes due in 2028, €850 million of 3.20% notes due in 2031 and €700 million of 3.40% notes due in 2036.

Net purchases of ordinary shares were \$3,925 million in 2023 versus \$5,132 million in 2022. On October 23, 2023, the company's board of directors approved a new share repurchase program for up to \$15 billion of Linde's ordinary shares. For additional information related to share repurchase programs, see Part II Item 5. Market for Registrant's Common Equity, Related Stockholder Matters and Issuer Purchases of Equity Securities.

Cash dividends increased to \$2,482 million in 2023 versus \$2,344 million in 2022 driven primarily by a 9% increase in dividends per share to \$5.10 per share from \$4.68 per share, partially offset by lower shares outstanding. Cash used for Noncontrolling interest transactions and other was \$53 million for the year ended December 31, 2023 versus cash used of \$88 million for the respective 2022 period.

Linde's total net debt outstanding at December 31, 2023 was \$14,709 million, \$2,231 million higher than \$12,478 million at December 31, 2022. The December 31, 2023 net debt balance includes \$18,907 million in public securities, and \$466 million representing primarily worldwide bank borrowings, net of \$4,664 million of cash. Linde's global effective borrowing rate was approximately 2.6% for 2023.

The company believes that it has sufficient operating flexibility, cash reserves, and funding sources to maintain adequate amounts of liquidity to meet its business needs around the world. At December 31, 2023, Linde's credit ratings as reported by Standard & Poor's and Moody's were A-1 and P-1 for short-term debt, respectively, and A and A2 for long-term debt, respectively. The company maintains a \$5 billion and a \$1.5 billion unsecured and undrawn revolving credit agreements with no associated financial covenants. No borrowings were outstanding under the credit agreements as of December 31, 2023. The company does not anticipate any limitations on its ability to access the debt capital markets and/or other external funding sources and remains committed to its strong ratings from Moody's and Standard & Poor's.



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Note 11 to the consolidated financial statements includes information with respect to the company's debt activity, current debt position, debt covenants and the available credit facilities; and Note 12 includes information relating to derivative financial instruments. Linde's credit facilities are with major financial institutions and are non-cancelable until maturity. Therefore, the company believes the risk of the financial institutions being unable to make required loans under the credit facilities, if requested, to be low. Linde's major bank credit and long-term debt agreements contain standard covenants. The company was in compliance with these covenants at December 31, 2023 and expects to remain in compliance for the foreseeable future.

OFF-BALANCE SHEET ARRANGEMENTS

As discussed in Note 17 to the consolidated financial statements, at December 31, 2023, Linde had undrawn outstanding letters of credit, bank guarantees and surety bonds entered into in connection with normal business operations and they are not reasonably likely to have a material impact on Linde's consolidated financial condition, results of operations, or liquidity.

CRITICAL ACCOUNTING ESTIMATES

The policies discussed below are considered by management to be critical to understanding Linde's financial statements and accompanying notes prepared in accordance with accounting principles generally accepted in the United States ("U.S. GAAP"). Their application places significant importance on management's judgment as a result of the need to make estimates of matters that are inherently uncertain. Linde's financial position, results of operations and cash flows could be materially affected if actual results differ from estimates made. These policies are determined by management and have been reviewed by Linde's Audit Committee.

Revenue Recognition

Long-Term Construction Contracts

The company designs and manufactures equipment for air separation and other varied gas production and processing plants manufactured specifically for end customers. Revenues for sale of equipment contracts are generally recognized over time as Linde has an enforceable right to payment for performance completed to date and performance does not create an asset with alternative use. For contracts recognized over time, revenue is recognized primarily using a cost incurred input method. Costs incurred to date relative to total estimated costs at completion are used to measure progress toward satisfying performance obligations. The result is applied to total expected revenue and results in financial statement recognition of revenue in addition to costs incurred to date. Any expected loss on a contract is recognized as an expense immediately. Contract modifications are typically accounted for as part of the existing contract and are recognized as a cumulative adjustment for the inception-to-date effect of such change. We assess performance as progress towards completion is achieved on specific projects, earnings will be impacted by changes to our forecast of revenues and costs on these projects.

The cost incurred input method places considerable importance on accurate estimates of the extent of progress towards completion and may involve estimates on the scope of deliveries and services required to fulfill the contractually defined obligations. The key source of estimation uncertainty is the total estimated costs at completion including material, labor and overhead costs and the resultant state of completion of the contracts. There are inherent uncertainties associated with the estimation process, including technical complexity, duration of construction cycle, potential cost inflation (whether equipment or manpower), and scope considerations all of which may affect the total estimation process. Changes in these estimates may lead to a significant impact on future financial statements.

Pension Benefits

Pension benefits represent financial obligations that will be ultimately settled in the future with employees who meet eligibility requirements. Because of the uncertainties involved in estimating the timing and amount of future payments, significant estimates are required to calculate pension expense and liabilities related to the company's plans. The company utilizes the services of independent actuaries, whose models are used to facilitate these calculations.

Several key assumptions are used in actuarial models to calculate pension expense and liability amounts recorded in the financial statements. Management believes the three most significant variables in the models are the expected long-term rate of return on plan assets, the discount rate, and the expected rate of compensation increase. The actuarial models also use assumptions for various other factors, including long-term inflation rates, employee turnover, retirement age, and mortality. Linde management believes the assumptions used in the actuarial calculations are reasonable, reflect the company's experience and expectations for the future and are within accepted practices in each of the respective



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geographic locations in which it operates. Actual results in any given year will often differ from actuarial assumptions because of economic and other factors. The sensitivities to each of the key assumptions presented below exclude the impact of special items that occurred during the year.

The weighted-average expected long-term rates of return on pension plan assets were 7.00% for U.S. plans and 5.64% for non-U.S. plans at December 31, 2023 (7.00% and 5.60%, respectively at December 31, 2022). The expected long-term rate of return on the U.S. and Non-U.S. plan assets is estimated based on the plans' investment strategy and asset allocation, historical capital market performance and, to a lesser extent, historical plan performance. A 0.50% change in these expected long-term rates of return, with all other assumptions held constant, would change Linde's pension expense by approximately \$44 million.

The company has consistently used a market-related value of assets rather than the fair value at the measurement date to determine annual pension expense. The market-related value recognizes investment gains or losses over a five-year period. As a result, changes in the fair value of assets from year to year are not immediately reflected in the company's annual pension expense. Instead, annual pension expense in future periods will be impacted as deferred investment gains or losses are recognized in the market-related value of assets over the five-year period. The consolidated market-related value of assets was \$9,180 million, or \$952 million higher than the fair value of assets of \$8,228 million at December 31, 2023. These net deferred investment loss of \$952 million will be recognized in the calculation of the market-related value of assets ratably over the next four years and will impact future pension expense. Future actual investment gains or losses will impact the market-related value of assets and, therefore, will impact future annual pension expense in a similar manner.

Discount rates are used to calculate the present value of plan liabilities and pension costs and are determined annually by management. The company measures the service and interest cost components of pension and OPEB expense for significant U.S. and non-U.S. plans using the spot rate approach. U.S. plans that do not use the spot rate approach continue to determine discount rates by using a cash flow matching model provided by the company's independent actuaries. The model includes a portfolio of corporate bonds graded AA or better by at least half of the ratings agencies and matches the U.S. plans' projected cash flows to the calculated spot rates. Discount rates for the remaining Non-U.S. plans are based on market yields for high-quality fixed income investments representing the approximate duration of the pension liabilities on the measurement date. Refer to Note 16 to the consolidated financial statements for a summary of the discount rates used to calculate plan liabilities and benefit costs, and to the Retirement Benefits section of the Consolidated Results and Other Information section of this MD&A for a further discussion of 2023 benefit costs. A 0.50% reduction in discount rates, with all other variables held constant, would increase Linde's pension expense by approximately \$4 million whereas a 0.50% increase in discount rates would result in a decrease of \$3 million. A 0.50% reduction in discount rates would increase the PBO by approximately \$521 million whereas a 0.50% increase in discount rates would have a favorable impact to the PBO of approximately \$477 million.

The weighted-average expected rate of compensation increase was 3.50% for U.S. plans and 2.58% for non-U.S. plans at December 31, 2023 (3.25% and 2.59%, respectively, at December 31, 2022). The estimated annual compensation increase is determined by management every year and is based on historical trends and market indices. A 0.50% change in the expected rate of compensation increase, with all other variables held constant, would change Linde's pension expense by approximately \$5 million and would impact the PBO by approximately \$50 million.

Asset Impairments

Goodwill and Other Indefinite-Lived Intangibles Assets

At December 31, 2023, the company had goodwill of \$26,751 million and \$1,745 million of other indefinite-lived intangible assets. Goodwill represents the aggregate of the excess consideration paid for acquired businesses over the fair value of the net assets acquired. Indefinite-lived other intangibles relate to the Linde name.

The company performs a goodwill impairment test annually as of October 1 or more frequently if events or circumstances indicate that an impairment loss may have been incurred. The impairment test performed during the fourth quarter of 2023 indicated no impairment. At December 31, 2023, Linde's enterprise value was approximately \$213 billion (outstanding shares multiplied by the year-end stock price plus net debt, and without any control premium) while its total capital was approximately \$56 billion.

The impairment test allows an entity to first assess qualitative factors to determine if it is more likely than not that the fair value of a reporting unit is less than carrying value. If it is determined that it is more likely than not that the fair value of a reporting unit is less than carrying value then the company will estimate and compare the fair value of its reporting units to their carrying value, including goodwill. Reporting units are determined based on one level below the operating segment level.



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Management believes that the quantitative and qualitative factors used to perform its annual goodwill impairment assessment are appropriate and reasonable. Although the 2023 assessment indicated that it is more likely than not that the fair value of each reporting unit exceeded its carrying value, changes in circumstances or conditions affecting this analysis could have a significant impact on the fair value determination, which could then result in a material impairment charge to the company's results of operations.

Other indefinite-lived intangible assets are evaluated for impairment on an annual basis or more frequently if events and circumstances indicate that an impairment loss may have been incurred, and no impairments were indicated.

See Notes 9 and 10 to the consolidated financial statements.

Long-Lived Assets

Long-lived assets, including property, plant and equipment and finite-lived other intangible assets, are tested for impairment whenever events or changes in circumstances indicate that the carrying amount of an individual asset or asset group may not be recoverable. For purposes of this test, asset groups are determined based upon the lowest level for which there are independent and identifiable cash flows. Based upon Linde's business model an asset group may be a single plant and related assets used to support on-site, merchant and packaged gas customers. Alternatively, the asset group may be a collection of distribution related assets (cylinders, distribution centers, and stores) or be a pipeline complex which includes multiple interdependent plants and related assets connected by pipelines within a geographic area used to support the same distribution methods. As a result of the Russia-Ukraine conflict, Linde deconsolidated its Russian gas and engineering business entities as of June 30, 2022. See Note 3 to the consolidated financial statements.

Income Taxes

At December 31, 2023, Linde had deferred tax assets of \$1,292 million (net of valuation allowances of \$176 million), and deferred tax liabilities of \$6,815 million. At December 31, 2023, uncertain tax positions totaled \$304 million (see Note 1 and Note 5 to the consolidated financial statements). Income tax expense was \$1,814 million for the year ended December 31, 2023, or about 22.7% of pre-tax income (see Note 5 to the consolidated financial statements for additional information related to taxes).

In the preparation of consolidated financial statements, Linde estimates income taxes based on diverse legislative and regulatory structures that exist in various jurisdictions where the company conducts business. Deferred income tax assets and liabilities represent tax benefits or obligations that arise from temporary differences due to differing treatment of certain items for accounting and income tax purposes. Linde evaluates deferred tax assets each period to ensure that estimated future taxable income will be sufficient in character (e.g. capital gain versus ordinary income treatment), amount and timing to result in their recovery. A valuation allowance is established when management determines that it is more likely than not that a deferred tax asset will not be realized to reduce the assets to their realizable value. Considerable judgments are required in establishing deferred tax valuation allowances and in assessing exposures related to tax matters. As events and circumstances change, related reserves and valuation allowances are adjusted to income at that time. Linde's tax returns are subject to audit and local taxing authorities could challenge the company's tax positions. The company's practice is to review tax filing positions by jurisdiction and to record provisions for uncertain income tax positions, including interest and penalties when applicable. Linde believes it records and/or discloses such potential tax liabilities as appropriate and has reasonably estimated its income tax liabilities and recoverable tax assets. If new information becomes available, adjustments are charged or credited against income at that time. Management does not anticipate that such adjustments would have a material adverse effect on the company's consolidated financial position or liquidity; however, it is possible that the final outcomes could have a material impact on the company's reported results of operations.

Contingencies

The company accrues liabilities for non-income tax contingencies when management believes that a loss is probable and the amounts can be reasonably estimated, while contingent gains are recognized only when realized or realizable. If new information becomes available or losses are sustained in excess of recorded amounts, adjustments are charged against income at that time. Management does not anticipate that in the aggregate such losses would have a material adverse effect on the company's consolidated financial position or liquidity; however, it is possible that the final outcomes could have a material impact on the company's reported results of operations.

Linde is subject to various claims, legal proceedings and government investigations that arise from time to time in the ordinary course of business. These actions are based upon alleged environmental, tax, antitrust and personal injury claims, among others (see Note 17 to the consolidated financial statements). Such contingencies are significant and the accounting requires considerable management judgments in analyzing each matter to assess the likely outcome and the need for



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establishing appropriate liabilities and providing adequate disclosures. Linde believes it records and/or discloses such contingencies as appropriate and has reasonably estimated its liabilities.

NEW ACCOUNTING STANDARDS

See Note 1 to the consolidated financial statements for information concerning new accounting standards and the impact of the implementation of these standards on the company's financial statements.

FAIR VALUE MEASUREMENTS

Linde does not expect changes in the aggregate fair value of its financial assets and liabilities to have a material impact on the consolidated financial statements. See Note 13 to the consolidated financial statements.



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NON-GAAP FINANCIAL MEASURES

The following non-GAAP measures are intended to supplement investors' understanding of the company's financial information by providing measures which investors, financial analysts and management use to help evaluate the company's financial leverage and operating performance. Special items which the company does not believe to be indicative of on-going business performance are excluded from these calculations so that investors can better evaluate and analyze historical and future business trends on a consistent basis. Definitions of these non-GAAP measures may not be comparable to similar definitions used by other companies and are not a substitute for similar GAAP measures.

The non-GAAP measures in the following reconciliations are presented in this MD&A.

Adjusted Amounts

(Dollar amounts in millions, except per share data)

Year Ended December 31,

Adjusted Operating Profit and Operating Margin

	2023	2022
Reported operating profit	\$ 8,024	\$ 5,369
Add: Other charges (a)	40	1,029
Add: Purchase accounting impacts - Linde AG (c)	1,006	1,506
Total adjustments	1,046	2,535
Adjusted operating profit	<u>\$ 9,070</u>	<u>\$ 7,904</u>
Reported percentage change	49 %	
Adjusted percentage change	15 %	

Reported sales	\$ 32,854	\$ 33,364
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Reported operating margin	24.4 %	16.1 %
Adjusted operating margin	27.6 %	23.7 %

Adjusted Depreciation and amortization

Reported depreciation and amortization	\$ 3,816	\$ 4,204
Less: Purchase accounting impacts - Linde AG (c)	(991)	(1,481)
Adjusted depreciation and amortization	<u>\$ 2,825</u>	<u>\$ 2,723</u>

Adjusted Other Income (Expense) - net

Reported Other Income (Expense) - net	\$ (41)	\$ (62)
Add: Purchase accounting impacts - Linde AG (c)	(15)	(25)
Adjusted Other Income (Expense) - net	<u>\$ (26)</u>	<u>\$ (37)</u>

Adjusted Net Pension and OPEB Cost (Benefit), Excluding Service Cost

Reported net pension and OPEB cost (benefit), excluding service cost	\$ (164)	\$ (237)
Add: Pension settlement charges	(16)	(6)
Adjusted Net Pension and OPEB cost (benefit), excluding service costs	<u>\$ (180)</u>	<u>\$ (243)</u>

Adjusted Interest Expense - Net

Reported interest expense - net	\$ 200	\$ 63
Add: Purchase accounting impacts - Linde AG (c)	16	35
Adjusted interest expense - net	<u>\$ 216</u>	<u>\$ 98</u>



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Adjusted Income Taxes (a)

Reported income taxes	\$	1,814	\$	1,434
Add: Purchase accounting impacts - Linde AG (c)		232		374
Add: Pension settlement charges		3		1
Add: Other charges (a)		81		136
Total adjustments		316		511
Adjusted income taxes	\$	2,130	\$	1,945

Adjusted Effective Tax Rate (a)

Reported income before income taxes and equity investments	\$	7,988	\$	5,543
Add: Pension settlement charge		16		6
Add: Purchase accounting impacts - Linde AG (c)		990		1,471
Add: Other charges (a)		40		1,029
Total adjustments		1,046		2,506
Adjusted income before income taxes and equity investments	\$	9,034	\$	8,049

Reported Income taxes	\$	1,814	\$	1,434
Reported effective tax rate		22.7%		25.9%

Adjusted income taxes	\$	2,130	\$	1,945
Adjusted effective tax rate		23.6%		24.2%

Income from Equity Investments

Reported income from equity investments	\$	167	\$	172
Add: Purchase accounting impacts - Linde AG (c)		72		75
Total adjustments		72		75
Adjusted income from equity investments	\$	239	\$	247

Adjusted Noncontrolling Interests

Reported noncontrolling interests	\$	(142)	\$	(134)
Add: Purchase accounting impacts - Linde AG (c)		(12)		(22)
Adjusted noncontrolling interests	\$	(154)	\$	(156)

Adjusted Net Income - Linde plc (b)

Reported net income	\$	6,199	\$	4,147
Add: Pension settlement charge		13		5
Add: Other charges (a)		(41)		893
Add: Purchase accounting impacts - Linde AG (c)		818		1,150
Total adjustments		790		2,048
Adjusted net income - Linde plc	\$	6,989	\$	6,195

Adjusted Diluted EPS (b)

Reported diluted EPS	\$	12.59	\$	8.23
Add: Pension settlement charge		0.03		0.01
Add: Other charges (a)		(0.08)		1.77



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Add: Purchase accounting impacts - Linde AG (c)		1.66		2.28
Total adjustments		1.61		4.06
Adjusted diluted EPS	\$	14.20	\$	12.29
Reported percentage change		53 %		
Adjusted percentage change		16 %		
Adjusted EBITDA and % of Sales				
Net Income - Linde plc	\$	6,199	\$	4,147
Add: Noncontrolling interests		142		134
Add: Net pension and OPEB cost (benefit), excluding service cost		(164)		(237)
Add: Interest expense		200		63
Add: Income taxes		1,814		1,434
Add: Depreciation and amortization		3,816		4,204
EBITDA		12,007		9,745
Add: Other charges (a)		40		1,029
Add: Purchase accounting impacts - Linde AG (c)		86		99
Total adjustments		126		1,128
Adjusted EBITDA	\$	12,133	\$	10,873
Reported sales	\$	32,854	\$	33,364
% of sales				
EBITDA		36.5 %		29.2 %
Adjusted EBITDA		36.9 %		32.6 %

(a) The income tax expense (benefit) on the non-GAAP pre-tax adjustments was determined using the applicable tax rates for the jurisdictions that were utilized in calculating the GAAP income tax expense (benefit) and included both current and deferred income tax amounts.

(b) Net of income taxes which are shown separately in "Adjusted Income Taxes and Effective Tax Rate".

(c) The company believes that its non-GAAP measures excluding Purchase accounting impacts - Linde AG are useful to investors because: (i) the business combination was a merger of equals in an all-stock merger transaction, with no cash consideration, (ii) the company is managed on a geographic basis and the results of certain geographies are more heavily impacted by purchase accounting than others, causing results that are not comparable at the reportable segment level, therefore, the impacts of purchasing accounting adjustments to each segment vary and are not comparable within the company and when compared to other companies in similar regions, (iii) business management is evaluated and variable compensation is determined based on results excluding purchase accounting impacts, and; (iv) it is important to investors and analysts to understand the purchase accounting impacts to the financial statements.

A summary of each of the adjustments made for Purchase accounting impacts - Linde AG are as follows:

Adjusted Operating Profit and Margin: The purchase accounting adjustments for the periods presented relate primarily to depreciation and amortization related to the fair value step up of fixed assets and intangible assets (primarily customer related) acquired in the merger and the allocation of fair value step-up for ongoing Linde AG asset disposals (reflected in Other Income/(Expense)).

Adjusted Interest Expense - Net: Relates to the amortization of the fair value of debt acquired in the merger.

Adjusted Income Taxes and Effective Tax Rate: Relates to the current and deferred income tax impact on the adjustments discussed above. The income tax expense (benefit) on the non-GAAP pre-tax adjustments was determined using the applicable tax rates for the jurisdictions that were utilized in calculating the GAAP income tax expense (benefit) and included both current and deferred income tax amounts.

Adjusted Income from Equity Investments: Represents the amortization of increased fair value on equity investments related to depreciable and amortizable assets.

Adjusted Noncontrolling Interests from Continuing Operations: Represents the noncontrolling interests' ownership portion of the adjustments described above determined on an entity by entity basis.



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Net Debt and Adjusted Net Debt

Net debt is a financial liquidity measure used by investors, financial analysts and management to evaluate the ability of a company to repay its debt. Purchase accounting impacts have been excluded as they are non-cash and do not have an impact on liquidity.

	December 31, 2023	December 31, 2022
<i>(Millions of dollars)</i>		
Debt	\$ 19,373	\$ 17,914
Less: cash and cash equivalents	(4,664)	(5,436)
Net debt	<u>14,709</u>	<u>12,478</u>
Less: purchase accounting impacts - Linde AG	(7)	(22)
Adjusted net debt	<u>\$ 14,702</u>	<u>\$ 12,456</u>



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SUPPLEMENTAL GUARANTEE INFORMATION

On May 3, 2023, the company filed a Form S-3 Registration Statement with the SEC ("the Registration Statement").

Linde plc may offer debt securities, preferred shares, depositary shares and ordinary shares under the Registration Statement, and debt securities exchangeable for or convertible into preferred shares, ordinary shares or other debt securities. Debt securities of Linde plc may be guaranteed by Linde Inc and/or Linde GmbH. Linde plc may provide guarantees of debt securities offered by its wholly owned subsidiaries Linde Inc. or Linde Finance under the Registration Statement.

Linde Inc. is a wholly owned subsidiary of Linde plc. Linde Inc. may offer debt securities under the Registration Statement. Debt securities of Linde Inc. will be guaranteed by Linde plc, and such guarantees by Linde plc may be guaranteed by Linde GmbH. Linde Inc. may also provide (i) guarantees of debt securities offered by Linde plc under the Registration Statement and (ii) upstream guarantees of downstream guarantees provided by Linde plc of debt securities of Linde Finance offered under the Registration Statement.

Linde Finance B.V. is a wholly owned subsidiary of Linde plc. Linde Finance may offer debt securities under the Registration Statement. Linde plc will guarantee debt securities of Linde Finance offered under the Registration Statement. Linde GmbH and Linde Inc. may guarantee Linde plc's obligations under its downstream guarantee.

Linde GmbH is a wholly owned subsidiary of Linde plc. Linde GmbH may provide (i) guarantees of debt securities offered by Linde plc under the Registration Statement and (ii) upstream guarantees of downstream guarantees provided by Linde plc of debt securities of Linde Inc. or Linde Finance offered under the Registration Statement.

In September 2019, Linde plc provided downstream guarantees of all pre-existing Linde Inc. and Linde Finance notes, and Linde GmbH and Linde Inc., respectively, provided upstream guarantees of Linde plc's downstream guarantees.

Linde plc has filed a base prospectus with the Luxembourg Stock Exchange for a €10.0 billion debt issuance program, under which Linde plc may offer debt securities. Linde Inc. and Linde GmbH have provided to Linde plc upstream guarantees in relation to debt securities of Linde plc offered under the European debt program.

For further information about the guarantees of the debt securities registered under the Registration Statement (including the ranking of such guarantees, limitations on enforceability of such guarantees and the circumstances under which such guarantees may be released), see "Description of Debt Securities – Guarantees" and "Description of Debt Securities – Ranking" in the Registration Statement, which subsections are incorporated herein by reference.

The following tables present summarized financial information for Linde plc, Linde Inc., Linde GmbH and Linde Finance on a combined basis, after eliminating intercompany transactions and balances between them and excluding investments in and equity in earnings from non-guarantor subsidiaries.



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(Millions of dollars)

Statement of Income Data

	<u>Twelve Months Ended December 31, 2023</u>		<u>Twelve Months Ended December 31, 2022</u>	
Sales	\$	8,143	\$	8,850
Operating profit		1,656		1,337
Net income		735		675
Transactions with non-guarantor subsidiaries		3,004		2,241

Balance Sheet Data (at period end)

Current assets (a)	\$	4,423	\$	11,478
Long-term assets (b)		13,833		13,949
Current liabilities (c)		10,882		11,767
Long-term liabilities (d)		56,546		48,210
(a) From current assets above, amount due from non-guarantor subsidiaries	\$	1,753	\$	7,260
(b) From long-term assets above, amount due from non-guarantor subsidiaries		816		1,982
(c) From current liabilities above, amount due to non-guarantor subsidiaries		1,684		1,334
(d) From long-term liabilities above, amount due to non-guarantor subsidiaries		39,458		33,268



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ITEM 7A. QUANTITATIVE AND QUALITATIVE DISCLOSURES ABOUT MARKET RISK

Linde is exposed to market risks relating to fluctuations in interest rates and currency exchange rates. The objective of financial risk management at Linde is to minimize the negative impact of interest rate and foreign exchange rate fluctuations on the company's earnings, cash flows and equity.

To manage these risks, Linde uses various derivative financial instruments, including interest-rate swaps, treasury rate locks, currency swaps, forward contracts, and commodity contracts. Linde only uses commonly traded and non-leveraged instruments. These contracts are entered into primarily with major banking institutions thereby minimizing the risk of credit loss. Also, see Note 1 and Note 12 to the consolidated financial statements for a more complete description of Linde's accounting policies and use of such instruments.

The following discussion presents the sensitivity of the market value, earnings and cash flows of Linde's financial instruments to hypothetical changes in interest and exchange rates assuming these changes occurred at December 31, 2023. The range of changes chosen for these discussions reflects Linde's view of changes which are reasonably possible over a one-year period. Market values represent the present values of projected future cash flows based on interest rate and exchange rate assumptions.

Interest Rate Risk

At December 31, 2023, Linde had debt totaling \$19,373 million (\$17,914 million at December 31, 2022). For fixed-rate instruments, interest rate changes affect the fair market value but do not impact earnings or cash flows. Conversely, for floating-rate instruments, interest rate changes generally do not affect the fair market value of the instrument but impact future earnings and cash flows, assuming that other factors are held constant. At December 31, 2023, including the impact of derivatives, Linde had fixed-rate debt of \$14,345 million and floating-rate debt of \$5,028 million, representing 74% and 26%, respectively, of total debt. At December 31, 2022, including the impact of derivatives, Linde had fixed-rate debt of \$13,000 million and floating-rate debt of \$4,914 million, representing 73% and 27%, respectively, of total debt.

Fixed Rate Debt

This sensitivity analysis assumes that, holding all other variables constant (such as foreign exchange rates, swaps and debt levels), a one hundred basis point increase in interest rates would decrease the unrealized fair market value of the fixed-rate debt portfolio by approximately \$742 million (\$666 million in 2022). A one hundred basis point increase in interest rates would result in an approximate \$65 million increase to derivative assets recorded.

Variable Rate Debt

At December 31, 2023, the after-tax earnings and cash flows impact of a one hundred basis point increase in interest rates, including offsetting impact of derivatives, on the variable-rate debt portfolio would be approximately \$50 million (\$25 million in 2022).

Foreign Currency Risk

Linde's exchange-rate exposures result primarily from its investments and ongoing operations in Latin America (primarily Brazil and Mexico), Europe (primarily Germany, Scandinavia, and the U.K.), Canada, Asia Pacific (primarily Australia and China) and other business transactions such as the procurement of equipment from foreign sources. Linde frequently utilizes currency contracts to hedge these exposures. At December 31, 2023, Linde had a notional amount outstanding of \$5,651 million (\$3,870 million at December 31, 2022) related to foreign exchange contracts. The majority of these were to hedge recorded balance sheet exposures, primarily intercompany loans denominated in non-functional currencies. See Note 12 to the consolidated financial statements.

Holding all other variables constant, if there were a 10% increase in foreign-currency exchange rates for the portfolio, the fair market value of foreign-currency contracts outstanding at December 31, 2023 would decrease by approximately \$58 million and at December 31, 2022 would increase by approximately \$83 million, which would be largely offset by an offsetting loss or gain on the foreign-currency fluctuation of the underlying exposure being hedged.

Holding all other variables constant, if there were a 10% increase in foreign-currency exchange rates on the external debt portfolio, the fair market value of foreign-currency denominated debt outstanding at December 31, 2023 would decrease by approximately \$970 million and at December 31, 2022 would decrease by approximately \$803 million, which would be largely offset by an offsetting loss or gain on the underlying exposure being hedged.



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MANAGEMENT'S STATEMENT OF RESPONSIBILITY FOR FINANCIAL STATEMENTS

Linde's consolidated financial statements are prepared by management, which is responsible for their fairness, integrity and objectivity. The accompanying financial statements have been prepared in conformity with accounting principles generally accepted in the United States of America applied on a consistent basis, except for accounting changes as disclosed, and include amounts that are estimates and judgments. All historical financial information in this annual report is consistent with the accompanying financial statements.

Linde maintains accounting systems, including internal accounting controls, monitored by a staff of internal auditors, that are designed to provide reasonable assurance of the reliability of financial records and the protection of assets. The concept of reasonable assurance is based on recognition that the cost of a system should not exceed the related benefits. The effectiveness of those systems depends primarily upon the careful selection of financial and other managers, clear delegation of authority and assignment of accountability, inculcation of high business ethics and conflict-of-interest standards, policies and procedures for coordinating the management of corporate resources, and the leadership and commitment of top management. In compliance with Section 404 of the Sarbanes-Oxley Act of 2002, Linde assessed its internal control over financial reporting and issued a report (see below).

The Audit Committee of the Board of Directors, which consists solely of non-employee directors, is responsible for overseeing the functioning of the accounting system and related controls and the preparation of annual financial statements. The Audit Committee periodically meets with management, internal auditors and the independent registered public accounting firm to review and evaluate their accounting, auditing and financial reporting activities and responsibilities, including management's assessment of internal control over financial reporting. The independent registered public accounting firm and internal auditors have full and free access to the Audit Committee and meet with the committee, with and without management present.

MANAGEMENT'S REPORT ON INTERNAL CONTROL OVER FINANCIAL REPORTING

Linde's management is responsible for establishing and maintaining adequate internal control over financial reporting, as such term is defined in Exchange Act Rule 13a-15(f). Under the supervision and with the participation of management, including the company's principal executive officer and principal financial officer, the company conducted an evaluation of the effectiveness of its internal control over financial reporting based on the framework in *Internal Control – Integrated Framework* (2013) issued by the Committee of Sponsoring Organizations of the Treadway Commission (often referred to as COSO). Based on this evaluation, management concluded that the company's internal control over financial reporting was effective as of December 31, 2023.

PricewaterhouseCoopers LLP, an independent registered public accounting firm, has audited and issued their opinion on the effectiveness of the company's internal control over financial reporting as of December 31, 2023 as stated in their report.

/s/ SANJIV LAMBA

Sanjiv Lamba
Chief Executive Officer

/s/ MATTHEW J. WHITE

Matthew J. White
Chief Financial Officer

/s/ KELCEY E. HOYT

Kelcey E. Hoyt
Chief Accounting Officer

February 28, 2024



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Report of Independent Registered Public Accounting Firm

To the Board of Directors and Shareholders of Linde plc

Opinions on the Financial Statements and Internal Control over Financial Reporting

We have audited the accompanying consolidated balance sheets of Linde plc and its subsidiaries (the "Company") as of December 31, 2023 and 2022, and the related consolidated statements of income, of comprehensive income, of equity and of cash flows for each of the three years in the period ended December 31, 2023, including the related notes (collectively referred to as the "consolidated financial statements"). We also have audited the Company's internal control over financial reporting as of December 31, 2023, based on criteria established in *Internal Control - Integrated Framework* (2013) issued by the Committee of Sponsoring Organizations of the Treadway Commission (COSO).

In our opinion, the consolidated financial statements referred to above present fairly, in all material respects, the financial position of the Company as of December 31, 2023 and 2022, and the results of its operations and its cash flows for each of the three years in the period ended December 31, 2023 in conformity with accounting principles generally accepted in the United States of America. Also in our opinion, the Company maintained, in all material respects, effective internal control over financial reporting as of December 31, 2023, based on criteria established in *Internal Control - Integrated Framework* (2013) issued by the COSO.

Basis for Opinions

The Company's management is responsible for these consolidated financial statements, for maintaining effective internal control over financial reporting, and for its assessment of the effectiveness of internal control over financial reporting, included in Management's Report on Internal Control over Financial Reporting appearing under Item 9A. Our responsibility is to express opinions on the Company's consolidated financial statements and on the Company's internal control over financial reporting based on our audits. We are a public accounting firm registered with the Public Company Accounting Oversight Board (United States) (PCAOB) and are required to be independent with respect to the Company in accordance with the U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the PCAOB.

We conducted our audits in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audits to obtain reasonable assurance about whether the consolidated financial statements are free of material misstatement, whether due to error or fraud, and whether effective internal control over financial reporting was maintained in all material respects.

Our audits of the consolidated financial statements included performing procedures to assess the risks of material misstatement of the consolidated financial statements, whether due to error or fraud, and performing procedures that respond to those risks. Such procedures included examining, on a test basis, evidence regarding the amounts and disclosures in the consolidated financial statements. Our audits also included evaluating the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of the consolidated financial statements. Our audit of internal control over financial reporting included obtaining an understanding of internal control over financial reporting, assessing the risk that a material weakness exists, and testing and evaluating the design and operating effectiveness of internal control based on the assessed risk. Our audits also included performing such other procedures as we considered necessary in the circumstances. We believe that our audits provide a reasonable basis for our opinions.

Definition and Limitations of Internal Control over Financial Reporting

A company's internal control over financial reporting is a process designed to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles. A company's internal control over financial reporting includes those policies and procedures that (i) pertain to the maintenance of records that, in reasonable detail, accurately and fairly reflect the transactions and dispositions of the assets of the company; (ii) provide reasonable assurance that transactions are recorded as necessary to permit preparation of financial statements in accordance with generally accepted accounting principles, and that receipts and expenditures of the company are being made only in accordance with authorizations of management and directors of the company; and (iii) provide reasonable assurance regarding prevention or timely detection of unauthorized acquisition, use, or disposition of the company's assets that could have a material effect on the financial statements.



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Because of its inherent limitations, internal control over financial reporting may not prevent or detect misstatements. Also, projections of any evaluation of effectiveness to future periods are subject to the risk that controls may become inadequate because of changes in conditions, or that the degree of compliance with the policies or procedures may deteriorate.

Critical Audit Matter

The critical audit matter communicated below is a matter arising from the current period audit of the consolidated financial statements that was communicated or required to be communicated to the audit committee and that (i) relates to accounts or disclosures that are material to the consolidated financial statements and (ii) involved our especially challenging, subjective, or complex judgments. The communication of critical audit matters does not alter in any way our opinion on the consolidated financial statements, taken as a whole, and we are not, by communicating the critical audit matter below, providing a separate opinion on the critical audit matter or on the accounts or disclosures to which it relates.

Revenue Recognition - Estimated Costs at Completion

As described in Note 19 to the consolidated financial statements, \$2,160 million of the Company's total revenues for the year ended December 31, 2023 was generated from the sale of equipment contracts. Sales of equipment contracts are generally comprised of a single performance obligation. Revenue from the sale of equipment is generally recognized over time as the Company has an enforceable right to payment for performance completed to date and performance does not create an asset with alternative use. For contracts recognized over time, revenue is recognized primarily using a cost incurred input method. Costs incurred to date relative to total estimated costs at completion are used to measure progress toward satisfying performance obligations. Costs incurred include material, labor, and overhead costs and represent work contributing and proportionate to the transfer of control to the customer.

The principal considerations for our determination that performing procedures relating to revenue recognition - estimated costs at completion is a critical audit matter are (i) the significant judgment by management when developing the estimated costs at completion for the sale of equipment contracts; (ii) a high degree of auditor judgment, subjectivity, and effort in performing procedures and evaluating audit evidence related to the estimated costs at completion and management's significant assumptions related to the total estimated material and labor costs; and (iii) the audit effort involved the use of professionals with specialized skill and knowledge.

Addressing the matter involved performing procedures and evaluating audit evidence in connection with forming our overall opinion on the consolidated financial statements. These procedures included testing the effectiveness of controls relating to the revenue recognition process, including controls over developing the estimated costs at completion for the sale of equipment contracts. These procedures also included, among others, evaluating and testing management's process for developing the estimated costs at completion for the sale of equipment contracts, which included evaluating the reasonableness of management's significant assumptions related to the total estimated material and labor costs. Evaluating the reasonableness of management's significant assumptions involved evaluating management's ability to reasonably estimate costs at completion for the sale of equipment contracts on a sample basis by (i) performing a comparison of the originally estimated and actual costs incurred on similar completed equipment contracts, and (ii) evaluating the timely identification of circumstances that may warrant a modification to estimated costs at completion, including actual costs in excess of estimates. Professionals with specialized skill and knowledge were used to assist in evaluating the reasonableness of management's estimates and significant assumptions related to the total estimated material and labor costs.

/s/ PricewaterhouseCoopers LLP
Stamford, Connecticut
February 28, 2024

We have served as the Company's or its predecessor's auditor since 1992.



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CONSOLIDATED STATEMENTS OF INCOME
LINDE PLC AND SUBSIDIARIES
(Dollar amounts in millions, except per share data)

Year Ended December 31,	2023	2022	2021
Sales	\$ 32,854	\$ 33,364	\$ 30,793
Cost of sales, exclusive of depreciation and amortization	17,492	19,450	17,543
Selling, general and administrative	3,295	3,107	3,189
Depreciation and amortization	3,816	4,204	4,635
Research and development	146	143	143
Other charges	40	1,029	273
Other income (expenses) – net	(41)	(62)	(26)
Operating Profit	8,024	5,369	4,984
Interest expense – net	200	63	77
Net pension and OPEB cost (benefit), excluding service cost	(164)	(237)	(192)
Income Before Income Taxes and Equity Investments	7,988	5,543	5,099
Income taxes	1,814	1,434	1,262
Income From Continuing Operations Before Equity Investments	6,174	4,109	3,837
Income from equity investments	167	172	119
Income From Continuing Operations (Including Noncontrolling Interests)	6,341	4,281	3,956
Income from discontinued operations, net of tax	—	—	5
Net Income (Including Noncontrolling Interests)	6,341	4,281	3,961
Less: noncontrolling interests from continuing operations	(142)	(134)	(135)
Net Income – Linde plc	\$ 6,199	\$ 4,147	\$ 3,826
Net Income – Linde plc			
Income from continuing operations	\$ 6,199	\$ 4,147	\$ 3,821
Income from discontinued operations	\$ —	\$ —	\$ 5
Per Share Data – Linde plc Shareholders			
Basic earnings per share from continuing operations	\$ 12.70	\$ 8.30	\$ 7.39
Basic earnings per share from discontinued operations	—	—	0.01
Basic earnings per share	<u>\$ 12.70</u>	<u>\$ 8.30</u>	<u>\$ 7.40</u>
Diluted earnings per share from continuing operations	\$ 12.59	\$ 8.23	\$ 7.32
Diluted earnings per share from discontinued operations	—	—	0.01
Diluted earnings per share	<u>\$ 12.59</u>	<u>\$ 8.23</u>	<u>\$ 7.33</u>
Weighted Average Shares Outstanding (000's):			
Basic shares outstanding	488,191	499,736	516,896
Diluted shares outstanding	492,290	504,038	521,875

The accompanying Notes are an integral part of these financial statements.



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CONSOLIDATED STATEMENTS OF COMPREHENSIVE INCOME
LINDE PLC AND SUBSIDIARIES
(Dollar amounts in millions)

Year Ended December 31,	2023	2022	2021
NET INCOME (INCLUDING NONCONTROLLING INTERESTS)	\$ 6,341	\$ 4,281	\$ 3,961
OTHER COMPREHENSIVE INCOME (LOSS)			
Translation adjustments:			
Foreign currency translation adjustments	399	(1,725)	(1,116)
Reclassifications to net income	—	(110)	(52)
Income taxes	1	—	(7)
Translation adjustments	<u>400</u>	<u>(1,835)</u>	<u>(1,175)</u>
Funded status - retirement obligations (Note 16):			
Retirement program remeasurements	(480)	1,349	826
Reclassifications to net income	(14)	80	175
Income taxes	114	(359)	(255)
Funded status - retirement obligations	<u>(380)</u>	<u>1,070</u>	<u>746</u>
Derivative instruments (Note 12):			
Current year unrealized gain (loss)	(80)	107	140
Reclassifications to net income	13	(129)	(49)
Income taxes	12	9	(20)
Derivative instruments	<u>(55)</u>	<u>(13)</u>	<u>71</u>
TOTAL OTHER COMPREHENSIVE INCOME (LOSS)	<u>(35)</u>	<u>(778)</u>	<u>(358)</u>
COMPREHENSIVE INCOME (INCLUDING NONCONTROLLING INTERESTS)	6,306	3,503	3,603
Less: noncontrolling interests	(130)	(90)	(135)
COMPREHENSIVE INCOME - LINDE PLC	<u>\$ 6,176</u>	<u>\$ 3,413</u>	<u>\$ 3,468</u>

The accompanying Notes are an integral part of these financial statements.



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CONSOLIDATED BALANCE SHEETS
LINDE PLC AND SUBSIDIARIES
(Dollar amounts in millions)

December 31,	2023	2022
Assets		
Cash and cash equivalents	\$ 4,664	\$ 5,436
Accounts receivable – net	4,718	4,559
Contract assets	196	124
Inventories	2,115	1,978
Prepaid and other current assets	927	950
<i>Total Current Assets</i>	<u>12,620</u>	<u>13,047</u>
Property, plant and equipment – net	24,552	23,548
Equity investments	2,190	2,350
Goodwill	26,751	25,817
Other intangible assets – net	12,399	12,420
Other long-term assets	2,299	2,476
<i>Total Assets</i>	<u>\$ 80,811</u>	<u>\$ 79,658</u>
Liabilities and Equity		
Accounts payable	\$ 3,020	\$ 2,995
Short-term debt	4,713	4,117
Current portion of long-term debt	1,263	1,599
Contract liabilities	1,901	3,073
Accrued taxes	664	613
Other current liabilities	4,156	4,082
<i>Total Current Liabilities</i>	<u>15,717</u>	<u>16,479</u>
Long-term debt	13,397	12,198
Other long-term liabilities	3,804	2,795
Deferred credits	6,798	6,799
<i>Total Liabilities</i>	<u>39,716</u>	<u>38,271</u>
Commitments and contingencies (Note 17)		
Redeemable noncontrolling interests	13	13
Linde plc Shareholders' Equity:		
Ordinary shares (€0.001 par value, authorized 1,750,000,000 shares, 2023 issued: 490,766,972 ordinary shares; 2022 issued: 552,012,862 ordinary shares)	1	1
Additional paid-in capital	39,812	40,005
Retained earnings	8,845	20,541
Accumulated other comprehensive income (loss)	(5,805)	(5,782)
Less: Treasury shares, at cost (2023 – 8,321,827 shares and 2022 – 59,555,235 shares)	<u>(3,133)</u>	<u>(14,737)</u>
Total Linde plc Shareholders' Equity	39,720	40,028
Noncontrolling interests	1,362	1,346
<i>Total Equity</i>	<u>41,082</u>	<u>41,374</u>
<i>Total Liabilities and Equity</i>	<u>\$ 80,811</u>	<u>\$ 79,658</u>

The accompanying Notes are an integral part of these financial statements.



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CONSOLIDATED STATEMENTS OF CASH FLOWS
LINDE PLC AND SUBSIDIARIES
(Millions of dollars)

Year Ended December 31,	2023	2022	2021
Increase (Decrease) in Cash and Cash Equivalents			
Operations			
Net income – Linde plc	\$ 6,199	\$ 4,147	\$ 3,826
Less: income from discontinued operations, net of tax and noncontrolling interests	—	—	(5)
Add: Noncontrolling interests from continuing operations	142	134	135
Income from continuing operations (including noncontrolling interests)	\$ 6,341	\$ 4,281	\$ 3,956
Adjustments to reconcile net income to net cash provided by operating activities:			
Other charges, net of payments	(118)	902	98
Depreciation and amortization	3,816	4,204	4,635
Deferred income taxes	(84)	(383)	(254)
Share-based compensation	141	107	128
Non-cash charges and other	43	(49)	(19)
Working capital			
Accounts receivable	(86)	(423)	(553)
Contract assets and liabilities, net	(168)	310	1,307
Inventory	(127)	(347)	(129)
Prepaid and other current assets	66	(157)	76
Payables and accruals	(168)	307	447
Pension contributions	(46)	(51)	(42)
Long-term assets, liabilities and other	(305)	163	75
Net cash provided by operating activities	9,305	8,864	9,725
Investing			
Capital expenditures	(3,787)	(3,173)	(3,086)
Acquisitions, net of cash acquired	(953)	(110)	(88)
Divestitures and asset sales, net of cash divested	70	195	167
Net cash used for investing activities	(4,670)	(3,088)	(3,007)
Financing			
Short-term debt borrowings (repayments) – net	554	3,050	(1,329)
Long-term debt borrowings	2,188	3,210	2,283
Long-term debt repayments	(1,682)	(1,785)	(1,468)
Issuances of ordinary shares	33	36	50
Purchases of ordinary shares	(3,958)	(5,168)	(4,612)
Cash dividends – Linde plc shareholders	(2,482)	(2,344)	(2,189)
Noncontrolling interest transactions and other	(53)	(88)	(323)
Net cash used for financing activities	(5,400)	(3,089)	(7,588)
Effect of exchange rate changes on cash and cash equivalents	(7)	(74)	(61)
Change in cash and cash equivalents	(772)	2,613	(931)
Cash and cash equivalents, beginning-of-period	5,436	2,823	3,754
Cash and cash equivalents, end-of-period	\$ 4,664	\$ 5,436	\$ 2,823
Supplemental Data			
Income taxes paid	\$ 1,955	\$ 1,735	\$ 1,710
Interest paid, net of capitalized interest (Note 7)	\$ 451	\$ 170	\$ 233

The accompanying Notes are an integral part of these financial statements.



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CONSOLIDATED STATEMENTS OF EQUITY LINDE PLC AND SUBSIDIARIES (Dollar amounts in millions, except per share data, shares in thousands)

Activity	Linde plc Shareholders' Equity									
	Ordinary shares		Additional Paid-in Capital	Retained Earnings	Accumulated Other Comprehensive Income (Loss) (Note 7)	Treasury Stock		Linde plc Shareholders' Equity	Noncontrolling Interests	Total Equity
	Shares	Amounts				Shares	Amounts			
Balance, December 31, 2020	552,013	\$ 1	\$ 40,202	\$ 17,178	\$ (4,690)	28,718	\$ (5,374)	\$ 47,317	\$ 2,252	\$ 49,569
Net Income available for Linde plc shareholders				3,826				3,826	135	3,961
Other comprehensive income (loss)					(358)			(358)	—	(358)
Noncontrolling interests:										
Dividends and other capital reductions									(118)	(118)
Additions (Reductions)									(876)	(876)
Dividends (\$4.24 per ordinary share)				(2,189)				(2,189)		(2,189)
Issuances of ordinary shares:										
For employee savings and incentive plans			(150)	(105)		(1,026)	209	(46)		(46)
Purchases of ordinary shares						15,640	(4,643)	(4,643)		(4,643)
Share-based compensation			128					128		128
Balance, December 31, 2021	552,013	\$ 1	\$ 40,180	\$ 18,710	\$ (5,048)	43,332	\$ (9,808)	\$ 44,035	\$ 1,393	\$ 45,428
Net Income available for Linde plc shareholders				4,147				4,147	134	4,281
Other comprehensive income (loss)					(734)			(734)	(44)	(778)
Noncontrolling interests:										
Dividends and other capital reductions									(81)	(81)
Additions (Reductions) - (Note 14)									(56)	(56)
Dividends (\$4.68 per ordinary share)				(2,344)				(2,344)		(2,344)
Issuances of ordinary shares:										
For employee savings and incentive plans			(282)	28		(811)	198	(56)		(56)
Purchases of ordinary shares						17,034	(5,127)	(5,127)		(5,127)
Share-based compensation			107					107		107
Balance, December 31, 2022	552,013	\$ 1	\$ 40,005	\$ 20,541	\$ (5,782)	59,555	\$ (14,737)	\$ 40,028	\$ 1,346	\$ 41,374
Net Income available for Linde plc shareholders				6,199				6,199	142	6,341
Other comprehensive income (loss)					(23)			(23)	(12)	(35)
Noncontrolling interests:										
Dividends and other capital reductions									(113)	(113)
Additions (Reductions)			(12)					(12)	(1)	(13)
Dividends (\$5.10 per common share)				(2,482)				(2,482)		(2,482)
Issuances of ordinary shares:										
For employee savings and incentive plans			(322)	(113)		(924)	307	(128)		(128)
Purchases of ordinary shares						10,937	(4,003)	(4,003)		(4,003)
Share-based compensation			141					141		141
Intercompany reorganization (Note 14)	(61,246)			(15,300)		(61,246)	15,300			—
Balance, December 31, 2023	490,767	\$ 1	\$ 39,812	\$ 8,845	\$ (5,805)	8,322	\$ (3,133)	\$ 39,720	\$ 1,362	\$ 41,082

The accompanying Notes are an integral part of these financial statements.



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NOTES TO CONSOLIDATED FINANCIAL STATEMENTS LINDE PLC AND SUBSIDIARIES

NOTE 1. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

Linde plc ("Linde" or "the company") is an incorporated public limited company formed under the laws of Ireland. Linde's registered office is located at Ten Earlsfort Terrace, Dublin 2, D02 T380 Ireland. Linde's principal executive offices are located at Forge, 43 Church Street West, Woking, Surrey GU21 6HT, United Kingdom and 10 Riverview Drive, Danbury, Connecticut, United States 06810. Linde trades on the Nasdaq under the symbol LIN.

On January 18, 2023, shareholders approved the company's proposal for an intercompany reorganization that resulted in the delisting of its ordinary shares from the Frankfurt Stock Exchange, on March 1, 2023, after the completion of legal and regulatory approvals.

In connection with the closing of the intercompany reorganization on March 1, 2023, Linde shareholders automatically received one share of the new holding company in exchange for each share of Linde plc that was previously owned. The new holding company is also named "Linde plc" and trades under the existing ticker LIN.

Principles of Consolidation – The consolidated financial statements were prepared in conformity with accounting principles generally accepted in the United States of America ("U.S. GAAP") and include the accounts of all significant subsidiaries where control exists and, in limited situations, variable-interest entities where the company is the primary beneficiary. Intercompany transactions and balances are eliminated in consolidation and any significant related-party transactions have been disclosed.

Equity investments generally consist of 20% to 50% owned operations where the company exercises significant influence, but does not have control. Income from equity investments in corporations is reported on an after-tax basis. Pre-tax income from equity investments that are partnerships or limited-liability corporations is included in other income (expenses) – net with related taxes included in Income taxes. Equity investments are reviewed for impairment whenever events or circumstances reflect that an impairment loss may have been incurred.

Changes in ownership interest that result either in consolidation or deconsolidation of an investment are recorded at fair value through earnings, including the retained ownership interest, while changes that do not result in either consolidation or deconsolidation of a subsidiary are treated as equity transactions.

Use of Estimates – The preparation of financial statements in conformity with U.S. GAAP requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and the disclosure of contingent assets and liabilities at the date of the financial statements and the reported amounts of revenues and expenses during the reporting period. While actual results could differ, management believes such estimates to be reasonable.

Operations – Linde is the largest industrial gases company globally. The company produces, sells and distributes atmospheric, process and specialty gases to a diverse group of industries including aerospace, chemicals, food and beverage, electronics, energy, healthcare, manufacturing, and metals. Linde's Engineering business offers its customers an extensive range of gas production and processing services including supplying plant components and services directly to customers.

Revenue Recognition – Revenue is recognized as control of goods or services are transferred to customers in an amount that reflects the consideration to which the company expects to be entitled to receive in exchange for the goods or services. See Note 19 for additional details regarding Linde's revenue recognition policies.

Cash Equivalents – Cash equivalents are considered to be highly liquid securities with original maturities of three months or less.

Inventories – Inventories are stated at the lower of cost or net realizable value. Cost is determined using the average-cost method.

Property, Plant and Equipment – Net – Property, plant and equipment are carried at cost, net of accumulated depreciation. The company capitalizes labor, applicable overhead and interest as part of the cost of constructing major facilities. Expenditures for additions and improvements that extend the lives or increase the capacity of plant assets are also capitalized. Depreciation is calculated on the straight-line method based on the estimated useful lives of the assets, which range from 3 years to 40 years (see Note 8). Linde uses accelerated depreciation methods for tax purposes where appropriate. Maintenance of property, plant and equipment is generally expensed as incurred.



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The company performs a test for impairment whenever events or changes in circumstances indicate that the carrying amount of an individual asset or asset group may not be recoverable. Should projected undiscounted future cash flows be less than the carrying amount of the asset or asset group, an impairment charge reducing the carrying amount to fair value may be required. Fair value is determined based on the most appropriate valuation technique, including discounted cash flows.

Asset-Retirement Obligations – An asset-retirement obligation is recognized in the period in which sufficient information exists to determine the fair value of the liability with a corresponding increase to the carrying amount of the related property, plant and equipment which is then depreciated over its useful life. The liability is initially measured at fair value and then accretion expense is recorded in each subsequent period. The company's asset-retirement obligations are primarily associated with its on-site long-term supply arrangements where the company has built a facility on land leased from the customer and is obligated to remove the facility at the end of the contract term. The company's asset-retirement obligations are not material to its consolidated financial statements.

Foreign Currency Translation – For most foreign operations, the local currency is the functional currency and translation gains and losses are reported as part of the accumulated other comprehensive income (loss) component of equity as a cumulative translation adjustment (see Note 7).

Financial Instruments – Linde enters into various derivative financial instruments to manage its exposure to fluctuating interest rates, currency exchange rates, commodity pricing and energy costs. Such instruments primarily include interest-rate swap and treasury rate lock agreements; currency-swap agreements; forward contracts; currency options; and commodity-swap agreements. These instruments are not entered into for trading purposes. Linde only uses commonly traded and non-leveraged instruments.

There are three types of derivatives the company enters into: (i) those relating to fair-value exposures, (ii) those relating to cash-flow exposures, and (iii) those relating to foreign currency net investment exposures. Fair-value exposures relate to recognized assets or liabilities, and firm commitments; cash-flow exposures relate to the variability of future cash flows associated with recognized assets or liabilities, or forecasted transactions; and net investment exposures relate to the impact of foreign currency exchange rate changes on the carrying value of net assets denominated in foreign currencies.

When a derivative is executed and hedge accounting is appropriate, it is designated as either a fair-value hedge, cash-flow hedge, or a net investment hedge. Currently, Linde designates all interest-rate and treasury rate locks as hedges for accounting purposes; however, currency contracts are generally not designated as hedges for accounting purposes unless they are related to forecasted transactions. Whether designated as hedges for accounting purposes or not, all derivatives are linked to an appropriate underlying exposure. On an ongoing basis, the company assesses the hedge effectiveness of all derivatives designated as hedges for accounting purposes to determine if they continue to be highly effective in offsetting changes in fair values or cash flows of the underlying hedged items. If it is determined that the hedge is not highly effective, then hedge accounting will be discontinued prospectively.

Changes in the fair value of derivatives designated as fair-value hedges are recognized in earnings as an offset to the change in the fair values of the underlying exposures being hedged. The changes in fair value of derivatives that are designated as cash-flow hedges are deferred in accumulated other comprehensive income (loss) and are reclassified to earnings as the underlying hedged transaction affects earnings. Provided the hedge remains highly effective, any ineffectiveness is deferred in accumulated other comprehensive income (loss) and is reclassified to earnings as the underlying hedged transaction affects earnings. Hedges of net investments in foreign subsidiaries are recognized in the cumulative translation adjustment component of accumulated other comprehensive income (loss) on the consolidated balance sheets to offset translation gains and losses associated with the hedged net investment. Derivatives that are entered into for risk-management purposes and are not designated as hedges (primarily related to currency derivatives other than for firm commitments) are recorded at their fair market values and recognized in current earnings.

See Note 12 for additional information relating to financial instruments.

Goodwill – Acquisitions are accounted for using the acquisition method which requires allocation of the purchase price to assets acquired and liabilities assumed based on estimated fair values. Any excess of the purchase price over the fair value of the assets and liabilities acquired is recorded as goodwill. Allocations of the purchase price are based on preliminary estimates and assumptions at the date of acquisition and are subject to revision based on final information received, including appraisals and other analyses which support underlying estimates.

The company performs a goodwill impairment test annually as of October 1 or more frequently if events or circumstances indicate that an impairment loss may have been incurred. The impairment test allows an entity to first assess qualitative factors to determine if it is more likely than not that the fair value of a reporting unit is less than carrying value. If it is determined that it is more likely than not that the fair value of a reporting unit is less than carrying value then the



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company will estimate and compare the fair value of its reporting units to their carrying value, including goodwill. Reporting units are determined based on one level below the operating segment level. The qualitative analysis of goodwill for the year ended December 31, 2023 showed the fair value of the reporting units substantially exceeded the carrying value, as such further analysis was not performed.

See Note 9 for additional information relating to goodwill.

Other Intangible Assets – Other intangible assets, primarily customer relationships, are amortized over the estimated period of benefit. The determination of the estimated period of benefit will be dependent upon the use and underlying characteristics of the intangible asset. Linde evaluates the recoverability of its intangible assets subject to amortization when facts and circumstances indicate that the carrying value of the asset may not be recoverable. If the carrying value is not recoverable, impairment is measured as the amount by which the carrying value exceeds its estimated fair value. Fair value is generally estimated based on either appraised value or other valuation techniques. Indefinite lived intangible assets related to the Linde brand are evaluated for impairment on an annual basis or more frequently if events or circumstances indicate an impairment loss may have occurred.

See Note 10 for additional information relating to other intangible assets.

Income Taxes – Deferred income taxes are recorded for the temporary differences between the financial statement and tax bases of assets and liabilities using currently enacted tax rates. Valuation allowances are established against deferred tax assets whenever circumstances indicate that it is more likely than not that such assets will not be realized in future periods.

Under the guidance for accounting for uncertainty in income taxes, the company can recognize the benefit of an income tax position only if it is more likely than not (greater than 50%) that the tax position will be sustained upon tax examination, based solely on the technical merits of the tax position. Otherwise, no benefit can be recognized. The tax benefits recognized are measured based on the largest benefit that has a greater than 50% likelihood of being realized upon ultimate settlement. Additionally, the company accrues interest and related penalties, if applicable, on all tax exposures for which reserves have been established consistent with jurisdictional tax laws. Interest and penalties are classified as income tax expense in the financial statements.

See Note 5 for additional information relating to income taxes.

Retirement Benefits – Most Linde employees participate in a form of defined benefit or contribution retirement plan, and additionally certain employees are eligible to participate in various post-employment health care and life insurance benefit plans. The cost of contribution plans is recognized in the year earned while the cost of other plans is recognized over the employees' expected service period to the company, all in accordance with the applicable accounting standards. The funded status of the plans is recorded as an asset or liability in the consolidated balance sheets. Funding of retirement benefits varies and is in accordance with local laws and practices.

See Note 16 for additional information relating to retirement programs.

Share-based Compensation – The company has historically granted share-based awards which consist of stock options, restricted stock and performance-based stock. Share-based compensation expense is generally recognized on a straight-line basis over the stated vesting period. For stock awards granted to full-retirement-eligible employees, compensation expense is recognized over the period from the grant date to the date retirement eligibility is achieved. For performance-based awards, compensation expense is recognized only if it is probable that the performance condition will be achieved.

See Note 15 for additional disclosures relating to share-based compensation.

Reclassifications – Certain prior years' amounts have been reclassified to conform to the current year's presentation.

Recently Issued Accounting Standards

Accounting Standards Implemented in 2023

There were no new accounting pronouncements implemented in 2023 that would materially impact the 2023 financial statements.

Accounting Standards to be Implemented

Improvements to Reportable Segments Disclosures - In November 2023, the FASB issued guidance requiring enhanced disclosure related to reportable segments. The new standard is effective for fiscal years beginning after December 15, 2023, and interim periods within fiscal years beginning after December 15, 2024, with early adoption permitted. The



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adoption of this standard will only impact disclosures within the company's consolidated financial statements and the company is evaluating the impact this guidance will have on those disclosures.

Improvements to Income Tax Disclosures - In December 2023, the FASB issued guidance requiring enhanced disclosure related to income taxes. The standard requires additional or modified disclosures related to the income tax rate reconciliation, disaggregation of income taxes paid, and several other disclosures. The new standard is effective for fiscal years beginning after December 15, 2024, with early adoption permitted. The adoption of this standard will only impact disclosures within the company's consolidated financial statements and the company is evaluating the impact this guidance will have on those disclosures.



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NOTE 2. Acquisitions and Divestitures

Acquisitions

Acquisitions were \$953 million, \$110 million and \$88 million for the years ended December 31, 2023, 2022 and 2021, respectively. Acquisitions in 2023 primarily related to the Americas. Acquisitions in 2022 and 2021 primarily related to the Americas and EMEA.

Acquisition of nexAir, LLC

On January 5, 2023, Linde completed the acquisition of nexAir, LLC, a gas distribution and welding supply company in the United States, in order to further expand the company's geographic footprint into different regions. Prior to completion of the acquisition, Linde held a 23% interest in nexAir, LLC. Pursuant to a signed purchase agreement between Linde and nexAir, LLC, Linde purchased the remaining 77% ownership interest in an all cash transaction with a total purchase price of \$866 million, or \$811 million net of cash acquired. The fair value of Linde's equity interest in nexAir, LLC immediately preceding the acquisition date was \$183 million, which resulted in a gain on remeasurement of the company's previously held equity interest which was not material; this gain is recorded within "Other income (expenses) – net" on the consolidated statements of income.

Final Allocation of Purchase Price

The acquisition of nexAir, LLC was accounted for as a business combination. Following the acquisition date, 100% of nexAir, LLC's results were consolidated in the Americas business segment. Linde's twelve months ended December 31, 2023 consolidated income statement includes sales of \$408 million related to nexAir, LLC. Pro forma results for 2022 have not been included as the impact of the acquisition is not material to the consolidated statements of income.

The company estimated the preliminary fair value of net assets acquired based on information currently available at the time of the acquisition and has continued to adjust those estimates as additional information has become available. Measurement period adjustments totaled approximately \$27 million, and related to working capital adjustments and deferred taxes. The following table summarizes the fair value of identifiable assets acquired and liabilities assumed in the acquisition of nexAir, LLC as of the acquisition date.

<i>(Millions of dollars)</i>	January 5, 2023	
Assets:		
Cash and cash equivalents	\$	55
Other current assets - net		49
Property, plant and equipment, net		241
Other intangible assets - net		245
Other long-term liabilities - net		(1)
Deferred taxes		(25)
Total identifiable net assets	\$	564
Goodwill	\$	485
Fair value of previously held equity interest	\$	183
Total purchase price	\$	866

nexAir, LLC's assets and liabilities were measured at estimated fair values at January 5, 2023. Estimates of fair value represent management's best estimate of assumptions about future events and uncertainties, including significant judgments related to future cash flows (sales, costs, customer attrition rates, and contributory asset charges), discount rates, competitive trends, and market comparables. Inputs used were generally obtained from historical data supplemented by current and anticipated market conditions and growth rates.

The fair value of the previously held equity interest was based upon a purchase price valuation (excluding debt) multiplied by the company's previously held ownership interest adjusted by a discount for lack of marketability. The fair value of property, plant & equipment, net is based on assumptions that market participants would use in pricing an asset, based on the most advantageous market for the asset (i.e., its highest and best use). The cost approach, adjusted for the age and condition of the property, plant and equipment, was used to estimate fair value.



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Identifiable intangible assets primarily consist of customer relationships of approximately \$245 million that will be amortized over their estimated useful life of 20 years. The fair value of the customer relationships intangible asset was valued using a multi-period excess earnings method, a form of the income approach, which incorporates the estimated future cash flows to be generated from nexAir, LLC's existing customer base. There were no indefinite-lived intangible assets identified in conjunction with the acquisition.

The excess of the consideration for the acquisition over the preliminary fair value of net assets acquired was recorded as goodwill. The acquisition resulted in \$485 million of goodwill, the majority of which is expected to be deductible for tax purposes. The goodwill balance is primarily attributable to the assembled workforce and operating synergies expected to result from the acquisition. The goodwill recorded as a result of the acquisition was allocated to the Americas reportable segment, which represents the reportable segment anticipated to experience operating synergies as a result of the acquisition.

Divestitures

Sale of GIST business

In the third quarter of 2022, the company completed the sale of its GIST business. Proceeds from the sale were \$184 million, net of cash divested of \$75 million, for net proceeds of \$109 million. The sale resulted in a loss of \$21 million (benefit of \$3 million, after tax), recorded within the other charges in the consolidated statement of income (see Note 3).



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NOTE 3. Other Charges

2023 Charges

Other charges were \$40 million for the year ended December 31, 2023. Costs primarily related to severance in the Engineering segment and expenses incurred due to the intercompany reorganization for the year ended December 31, 2023. Other charges for 2023 included an income tax benefit of \$81 million primarily comprised of a benefit of \$124 million related to the resolution of an income tax audit, partially offset by an accrual of \$85 million for the potential settlement of an international income tax matter, both recorded in the first quarter.

2022 Charges

Other charges were \$1 billion (\$896 million, after tax and noncontrolling interests) for the year ended December 31, 2022, largely attributable to the Russia-Ukraine conflict.

Russia-Ukraine Conflict

In response to the Russian invasion of Ukraine, multiple jurisdictions, including Europe and the U.S., have imposed several tranches of economic sanctions on Russia. As a result, Linde reassessed its ability to control its Russian subsidiaries and determined that as of June 30, 2022 it can no longer exercise control over these entities. As such, Linde deconsolidated its Russian gas and engineering business entities as of June 30, 2022. The deconsolidation of the company's Russian gas and engineering business entities resulted in a loss of \$787 million (\$730 million after tax).

The fair value of Linde's Russian subsidiaries was determined using a probability weighted discounted cash flow model, which resulted in the recognition of a \$407 million loss on deconsolidation when compared to the carrying value of the entities. This loss is recorded within Other charges in the consolidated statements of income.

Upon deconsolidation an investment was recorded, which represents the fair value of net assets. The company did not receive any consideration, cash or otherwise, as part of the deconsolidation. Linde will maintain its interest in its Russian subsidiaries and will continue to comply with sanctions and government restrictions. The investment will be monitored for impairment in future periods.

Receivables, primarily loans receivable, with newly deconsolidated entities were reassessed for collectability resulting in a write-off of approximately \$380 million.

Other Russia related charges

Other charges related specifically to the Russia-Ukraine conflict were \$103 million (\$73 million after tax) for the year ended December 31, 2022, and are primarily comprised of impairments of assets which are maintained by international entities in support of the Russian business.

Merger-Related Costs and Other Charges

Merger-related costs and other charges were \$139 million (\$93 million, after tax) for the year ended December 31, 2022, primarily related to severance actions within the Engineering segment recorded during the fourth quarter, the impairment of an equity method investment in the EMEA segment, and the sale of the GIST business completed on September 30, 2022 (see Note 2).

The following table provides a summary of the pre-tax charges by reportable segment for the year ended December 31, 2022:



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<i>(millions of dollars)</i>	Year Ended December 31, 2022				
	Russia deconsolidation charges	Other Russia related charges	Total Russia charges	Merger-related costs and other charges	Total
Americas	\$ —	\$ —	\$ —	\$ 4	\$ 4
EMEA	733	(7)	726	25	751
APAC	—	—	—	28	28
Engineering	54	110	164	41	205
Other	—	—	—	41	41
Total	\$ 787	\$ 103	\$ 890	\$ 139	\$ 1,029

2021 Charges

Other charges were \$273 million (\$279 million after tax) for the year ended December 31, 2021.

Total cost reduction program related charges were \$338 million (\$253 million after tax), for the year ended December 31, 2021. These expenses consisted primarily of severance charges of \$259 million and other charges of \$79 million for the year ended December 31, 2021. Other charges related primarily to the execution of the company's synergistic actions including location consolidations and business rationalization projects, process harmonization, and associated non-recurring costs.

Merger-related and other charges were benefits of \$65 million (benefit of \$26 million, after tax) for the year ended December 31, 2021. The 2021 pre-tax benefit was primarily due to a \$52 million gain triggered by a joint venture deconsolidation in the APAC segment.

The following table provides a summary of the pre-tax charges by reportable segment for the year ended December 31, 2021:

<i>(millions of dollars)</i>	Year Ended December 31, 2021				
	Severance costs	Other cost reduction charges	Total cost reduction program related charges	Merger related and other charges	Total
Americas	\$ 4	\$ 2	\$ 6	\$ (6)	\$ —
EMEA	204	33	237	1	238
APAC	16	12	28	(50)	(22)
Engineering	20	6	26	—	26
Other	15	26	41	(10)	31
Total	\$ 259	\$ 79	\$ 338	\$ (65)	\$ 273

Cash Requirements

The total cash requirements of the other charges incurred for the year ended December 31, 2023 are expected to be immaterial. Remaining cash requirements are expected to be paid primarily through 2024. Other charges, net of payments in the consolidated statements of cash flows for the twelve months ended December 31, 2023 and 2022 also reflect the impact of cash payments of liabilities, including merger-related tax liabilities, accrued as of December 31, 2022 and 2021, respectively.

The following table summarizes the activities related to the company's cost reduction programs and other charges during 2022 and 2023:



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(millions of dollars)

	Total Russia charges	Severance costs	Other cost reduction charges	Total cost reduction program related charges	Merger related and other charges	Total
Balance, December 31, 2021	\$ —	\$ 384	\$ 38	\$ 422	\$ 31	\$ 453
2022 Russia-Ukraine conflict and other charges	890	41	24	65	74	1,029
Less: Cash payments	—	(122)	(24)	(146)	19	(127)
Less: Non-cash charges	(890)	—	(7)	(7)	(109)	(1,006)
Foreign currency translation and other	—	(22)	(4)	(26)	(3)	(29)
Balance, December 31, 2022	\$ —	\$ 281	\$ 27	\$ 308	\$ 12	\$ 320
2023 Other Charges	—	26	—	26	14	40
Less: Cash payments	—	(134)	(1)	(135)	(23)	(158)
Less: Non-cash charges	—	—	—	—	12	12
Foreign currency translation and other	—	(1)	—	(1)	1	—
Balance, December 31, 2023	\$ —	\$ 172	\$ 26	\$ 198	\$ 16	\$ 214

Classification in the consolidated financial statements

The pre-tax charges for each year are shown within operating profit in a separate line item on the consolidated statements of income. In the consolidated balance sheets, reductions in assets are recorded against the carrying value of the related assets and unpaid amounts are recorded as other current or long-term liabilities (see Note 7). On the consolidated statements of cash flows, the pre-tax impact of these charges, net of cash payments, is shown as an adjustment to reconcile net income to net cash provided by operating activities. In Note 18 Segment Information, Linde excluded these charges from its management definition of segment operating profit; a reconciliation of segment operating profit to consolidated operating profit is shown within the segment operating profit table.



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NOTE 4. LEASES

In the normal course of its business, Linde enters into various leases as the lessee, primarily involving manufacturing and distribution equipment and office space. Linde determines whether a contract is or contains a lease at contract inception. Total lease and rental expenses related to operating lease right of use assets for the twelve months ended December 31, 2023 and 2022 was \$284 million. Operating lease costs are included in selling, general and administrative expenses and cost of sales, exclusive of depreciation and amortization. The related assets and obligations are included in other long-term assets and other current liabilities and other long-term liabilities, respectively. Total lease and rental expenses related to finance lease right of use assets for the twelve months ended December 31, 2023 and 2022 were \$58 million and \$57 million, respectively, and the costs are included in depreciation and amortization and interest. Related assets and obligations are included in other long-term assets and other current liabilities and other long-term liabilities, respectively. Linde includes renewal options that are reasonably certain to be exercised as part of the lease term. Operating and financing lease expenses above include short term and variable lease costs which are immaterial.

As most leases do not provide an implicit rate, Linde uses the applicable incremental borrowing rate at lease commencement to measure lease liabilities and right-of-use assets. Linde determines incremental borrowing rates through market sources.

The company has elected to apply the short-term lease exception for all underlying asset classes. Short-term leases are leases that, at the commencement date, have a lease term of twelve months or less and do not include a purchase option that the lessee is reasonably certain to exercise. Leases that meet the short-term lease definition are not recognized on the balance sheet, but rather expensed on a straight-line basis over the lease term.

Some leasing arrangements require variable payments that are dependent on usage, output, or may vary for other reasons, such as insurance. The company does not have material variable lease payments.

Gains and losses on sale and leaseback transactions were immaterial. Operating cash flows used for operating leases for the twelve months ended December 31, 2023 and 2022 were \$249 million and \$254 million, respectively. Cash flows used for finance leases for the same period were immaterial.

Supplemental balance sheet information related to leases is as follows:

<i>(Millions of dollars)</i>	December 31, 2023	December 31, 2022
Operating Leases		
Operating lease right-of-use assets	\$ 759	\$ 726
Other current liabilities	177	181
Other long-term liabilities	572	540
Total operating lease liabilities	749	721
Finance Leases		
Finance lease right-of-use assets	179	146
Other current liabilities	50	42
Other long-term liabilities	143	114
Total finance lease liabilities	\$ 193	\$ 156

Supplemental operating lease information:

	December 31, 2023	December 31, 2022
Weighted average lease term (years)	8	8
Weighted average discount rate	4.19 %	3.26 %



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Future operating and finance lease payments as of December 31, 2023 are as follows (millions of dollars):

Period	Operating Leases	Financing Leases
2024	\$ 209	\$ 58
2025	157	50
2026	121	40
2027	88	29
2028	60	16
Thereafter	268	55
Total future undiscounted lease payments	903	248
Less imputed interest	(154)	(55)
Total reported lease liability	\$ 749	\$ 193

NOTE 5. INCOME TAXES

Pre-tax income applicable to U.S. and non-U.S. operations is as follows:

(Millions of dollars)
Year Ended December 31,

	2023	2022	2021
United States	\$ 2,859	\$ 2,502	\$ 2,020
Non-U.S.	5,129	3,041	3,079
Total income before income taxes	<u>\$ 7,988</u>	<u>\$ 5,543</u>	<u>\$ 5,099</u>

Provision for Income Taxes

The following is an analysis of the provision for income taxes:

(Millions of dollars)
Year Ended December 31,

	2023	2022	2021
Current tax expense (benefit)			
U.S. federal	\$ 291	\$ 486	\$ 287
State and local	116	92	87
Non-U.S.	1,491	1,239	1,142
	<u>1,898</u>	<u>1,817</u>	<u>1,516</u>
Deferred tax expense (benefit)			
U.S. federal	57	(12)	63
State and local	5	7	8
Non-U.S.	(146)	(378)	(325)
	<u>(84)</u>	<u>(383)</u>	<u>(254)</u>
Total income taxes	<u>\$ 1,814</u>	<u>\$ 1,434</u>	<u>\$ 1,262</u>

Effective Tax Rate Reconciliation

For purposes of the effective tax rate reconciliation, the company utilizes the U.S. statutory income tax rate of 21%. An analysis of the difference between the provision for income taxes and the amount computed by applying the U.S. statutory income tax rate to pre-tax income follows:



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(Dollar amounts in millions)

Year Ended December 31,

	2023		2022		2021	
U.S. statutory income tax	\$ 1,677	21.0 %	\$ 1,164	21.0 %	\$ 1,071	21.0 %
State and local taxes – net of federal benefit	105	1.3 %	84	1.5 %	83	1.6 %
Tax on Non-U.S. activities (a)	169	2.1 %	176	3.2 %	219	4.3 %
Share-Based compensation	(66)	(0.8)%	(41)	(0.7)%	(56)	(1.1)%
Russia/Ukraine Charges	—	—%	108	1.9 %	—	—%
Other (b)	(71)	(0.9)%	(57)	(1.0)%	(55)	(1.1)%
Provision for income taxes	<u>\$ 1,814</u>	<u>22.7 %</u>	<u>\$ 1,434</u>	<u>25.9 %</u>	<u>\$ 1,262</u>	<u>24.7 %</u>

(a) Primarily related to differences between the U.S. tax rate and the statutory tax rate in the countries in which the company operates. It also includes the U.S. tax impact of the non-U.S. activities and other non-U.S. permanent items and tax rate changes. Excluding 2021, which included an \$83 million deferred income tax charge related to a tax rate increase in the U.K., these other items were not material.

(b) Includes net tax benefits related to tax audit settlements of \$54 million in 2023, of \$71 million in 2022, and \$47 million in 2021.

Net Deferred Tax Liabilities

Net deferred tax liabilities included in the consolidated balance sheets are comprised of the following:

(Millions of dollars)

December 31,

	2023	2022
Deferred tax liabilities		
Fixed assets	\$ 2,686	\$ 2,775
Goodwill	215	173
Other intangible assets	2,872	2,939
Subsidiary/equity investments	586	545
Other (a)	456	471
	<u>\$ 6,815</u>	<u>\$ 6,903</u>
Deferred tax assets		
Carryforwards	\$ 285	\$ 289
Benefit plans and related (b)(c)	243	165
Inventory	82	68
Accruals and other (d)	858	1,001
	<u>\$ 1,468</u>	<u>\$ 1,523</u>
Less: Valuation allowances (e)	(176)	(276)
	<u>\$ 1,292</u>	<u>\$ 1,247</u>
Net deferred tax liabilities	<u>\$ 5,523</u>	<u>\$ 5,656</u>
Recorded in the consolidated balance sheets as (Note 7):		
Other long-term assets	226	230
Deferred credits	5,749	5,886
	<u>\$ 5,523</u>	<u>\$ 5,656</u>

(a) Includes \$221 million in 2023 and \$206 million in 2022 related to right-of-use lease assets.



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- (b) Includes deferred tax asset of \$60 million and deferred tax liability of \$54 million in 2023 and 2022, respectively, related to pension / OPEB funded status (see Notes 7 and 16).
- (c) The amounts are net of non-US deferred tax liabilities of \$187 million in 2023 and \$315 million in 2022.
- (d) Includes \$228 million in 2023 and \$212 million in 2022 related to lease liabilities.
- (e) Summary of changes in valuation allowances relating to deferred tax assets follows (millions of dollars):

	2023	2022	2021
Balance, January 1,	\$ (276)	\$ (235)	\$ (243)
Income tax (charge) benefit	65	(44)	8
Other, including write-offs	34	—	—
Translation adjustments	1	3	—
Balance, December 31,	<u>\$ (176)</u>	<u>\$ (276)</u>	<u>\$ (235)</u>

The company evaluates deferred tax assets quarterly to ensure that estimated future taxable income will be sufficient in character (e.g., capital gain versus ordinary income treatment), amount and timing to result in their recovery. After considering the positive and negative evidence, a valuation allowance is established to reduce the assets to their realizable value when management determines that it is more likely than not (i.e., greater than 50% likelihood) that a deferred tax asset will not be realized. Considerable judgment is required in establishing deferred tax valuation allowances.

As of December 31, 2023, the company had \$285 million of deferred tax assets relating to net operating losses (“NOLs”) and tax credits and \$176 million of valuation allowances. These deferred tax assets include \$235 million relating to NOLs of which \$82 million expire within 5 years, \$24 million expire after 5 years and \$129 million have no expiration. The deferred tax assets also include \$50 million related to credits of which \$3 million expire within 5 years, \$40 million expire after 5 years, and \$7 million have no expiration. The valuation allowances of \$176 million primarily relate to NOLs. Management has determined, based on financial projections and available tax strategies, that it is unlikely that the benefit of these losses will be realized. If events or circumstances change, valuation allowances are adjusted at that time resulting in an income tax benefit or charge.

The company has \$586 million of non-U.S. income and withholding taxes accrued related to its investment in non-U.S. subsidiaries and equity investments. A provision has not been made for any additional non-U.S. income or withholding taxes at December 31, 2023 on approximately \$4 billion of unremitted non-U.S. earnings on which the company intends to remain indefinitely reinvested or on other outside basis differences in its investments unrelated to unremitted earnings. A determination of these deferred taxes related to these amounts is not practicable.

Uncertain Tax Positions

Unrecognized income tax benefits represent income tax positions taken on income tax returns but not yet recognized in the consolidated financial statements. The company has unrecognized income tax benefits totaling \$304 million, \$325 million and \$387 million as of December 31, 2023, 2022 and 2021, respectively. If recognized, the majority of the unrecognized tax benefits and related interest and penalties would be recorded as a benefit to income tax expense on the consolidated statements of income.

A reconciliation of the beginning and ending amount of unrecognized tax benefits is as follows:

(Millions of dollars)

	2023	2022	2021
Unrecognized income tax benefits, January 1	<u>\$ 325</u>	<u>\$ 387</u>	<u>\$ 452</u>
Additions for tax positions of prior years	108	26	11
Reductions for tax positions of prior years (a)	(121)	(45)	(11)
Additions for current year tax positions	—	—	19
Reductions for settlements with taxing authorities (a)(b)	(1)	(23)	(60)
Other (c)	(7)	(20)	(24)
Unrecognized income tax benefits, December 31	<u>\$ 304</u>	<u>\$ 325</u>	<u>\$ 387</u>

- (a) 2023 and 2022 amounts are primarily related to the settlement of tax audits.



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- (b) Settlements are uncertain tax positions that were effectively settled with the taxing authorities, including positions where the company has agreed to amend its tax returns to eliminate the uncertainty.
- (c) Other includes reductions for statute of limitation lapses and foreign currency translation.

The company classifies interest income and expense related to income taxes as tax expense in the consolidated statements of income. The company recognized net interest benefit of \$17 million and \$3 million and expense of \$15 million for the years ended December 31, 2023, 2022 and 2021, respectively. The company had \$14 million and \$35 million of accrued interest and penalties as of December 31, 2023 and 2022, respectively, which were recorded in other long-term liabilities in the consolidated balance sheets (See Note 7).



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As of December 31, 2023, the company remained subject to examination in the following major tax jurisdictions for the tax years as indicated below:

Major tax jurisdictions	Open Years
North and South America	
United States	2020 through 2023
Canada	2014 through 2023
Mexico	2014 through 2023
Brazil	2008 through 2023
Europe and Africa	
France	2019 through 2023
Germany	2018 through 2023
Spain	2010 through 2023
United Kingdom	2021 through 2023
Asia and Australia	
Australia	2019 through 2023
China	2018 through 2023
India	2006 through 2023
South Korea	2020 through 2023

The company is currently under audit in a number of jurisdictions. As a result, it is reasonably possible that some of these matters will conclude or reach the stage where a change in unrecognized income tax benefits may occur within the next twelve months. At the time new information becomes available, the company will record any adjustment to income tax expense as required. Final determinations, if any, are not expected to be material to the consolidated financial statements. The company is also subject to income taxes in many hundreds of state and local taxing jurisdictions that are open to tax examinations.



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NOTE 6. EARNINGS PER SHARE – LINDE PLC SHAREHOLDERS

Basic and Diluted earnings per share - Linde plc shareholders is computed by dividing Income from continuing operations, Income from discontinued operations, net of tax, and Net income – Linde plc for the period by the weighted average number of either basic or diluted shares outstanding, as follows:

	2023	2022	2021
Numerator (Millions of dollars)			
Income from continuing operations	\$ 6,199	\$ 4,147	\$ 3,821
Income from discontinued operations, net of tax	—	—	5
Net Income – Linde plc	<u>\$ 6,199</u>	<u>\$ 4,147</u>	<u>\$ 3,826</u>
Denominator (Thousands of shares)			
Weighted average shares outstanding	487,656	499,254	516,507
Shares earned and issuable under compensation plans	535	482	389
Weighted average shares used in basic earnings per share	488,191	499,736	516,896
Effect of dilutive securities			
Stock options and awards	4,099	4,302	4,979
Weighted average shares used in diluted earnings per share	<u>492,290</u>	<u>504,038</u>	<u>521,875</u>
Basic earnings per share from continuing operations	\$ 12.70	\$ 8.30	\$ 7.39
Basic earnings per share from discontinued operations	—	—	0.01
Basic Earnings Per Share	<u>\$ 12.70</u>	<u>\$ 8.30</u>	<u>\$ 7.40</u>
Diluted earnings per share from continuing operations	\$ 12.59	\$ 8.23	\$ 7.32
Diluted earnings per share from discontinued operations	—	—	0.01
Diluted Earnings Per Share	<u>\$ 12.59</u>	<u>\$ 8.23</u>	<u>\$ 7.33</u>

There were no antidilutive shares for the years ended December 31, 2023, 2022 and 2021.

NOTE 7. SUPPLEMENTAL INFORMATION

Income Statement

(Millions of dollars)

Year Ended December 31,

Selling, General and Administrative

	2023	2022	2021
Selling	\$ 1,330	\$ 1,295	\$ 1,342
General and administrative	1,965	1,812	1,847
	<u>\$ 3,295</u>	<u>\$ 3,107</u>	<u>\$ 3,189</u>

Year Ended December 31,

Depreciation and Amortization (a)

	2023	2022	2021
Depreciation	\$ 3,266	\$ 3,633	\$ 3,912
Amortization of intangibles (Note 10)	550	571	723
Depreciation and Amortization	<u>\$ 3,816</u>	<u>\$ 4,204</u>	<u>\$ 4,635</u>



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Year Ended December 31,

Other Income (Expenses) – Net

Currency related net gains (losses)
Partnership income
Severance expense
Asset divestiture gains (losses) – net
Other – net gains (losses)

	<u>2023</u>	<u>2022</u>	<u>2021</u>
\$	(47)	\$ (18)	\$ (29)
	2	18	13
	(12)	(13)	(5)
	6	(9)	(31)
	10	(40)	26
\$	(41)	\$ (62)	\$ (26)

Year Ended December 31,

Interest Expense – Net

Interest incurred on debt and other
Interest income
Amortization on acquired debt
Interest capitalized

	<u>2023</u>	<u>2022</u>	<u>2021</u>
\$	480	\$ 277	\$ 227
	(197)	(117)	(40)
	(16)	(35)	(53)
	(67)	(62)	(57)
\$	200	\$ 63	\$ 77

Balance Sheet

(Millions of dollars)

December 31,

Accounts Receivable

Trade and Other receivables
Less: allowance for expected credit losses

	<u>2023</u>	<u>2022</u>
\$	5,175	\$ 4,964
	(457)	(405)
\$	4,718	\$ 4,559

Receivables

Linde applies loss rates that are lifetime expected credit losses at initial recognition of the receivables. These expected loss rates are based on an analysis of the actual historical default rates for each business, taking regional circumstances into account. If necessary, these historical default rates are adjusted to reflect the impact of current changes in the macroeconomic environment using forward-looking information. The loss rates are also evaluated based on the expectations of the responsible management team regarding the collectability of the receivables. Gross trade receivables aged less than one year were \$4,667 million and \$4,498 million at December 31, 2023 and December 31, 2022, respectively, and gross receivables aged greater than one year were \$354 million and \$321 million at December 31, 2023 and December 31, 2022, respectively. Gross other receivables were \$154 million and \$145 million at December 31, 2023 and December 31, 2022, respectively. Receivables aged greater than one year are generally fully reserved unless specific circumstances warrant exceptions, such as those backed by federal governments.

Provisions for expected credit losses were \$175 million, \$163 million and \$129 million for the twelve months ended December 31, 2023, 2022 and 2021, respectively. The allowance activity in the twelve months ended December 31, 2023 related to write-offs of uncollectible amounts, net of recoveries and currency movements is not material.

December 31,

Inventories

Raw materials and supplies
Work in process
Finished goods

	<u>2023</u>	<u>2022</u>
\$	614	\$ 567
	390	368
	1,111	1,043
\$	2,115	\$ 1,978



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December 31,

Prepaid and Other Current Assets

	<u>2023</u>	<u>2022</u>
Prepaid and other deferred charges (b)	\$ 583	\$ 597
VAT recoverable	178	225
Unrealized gains on derivatives (Note 12)	73	24
Other	93	104
	<u>\$ 927</u>	<u>\$ 950</u>

December 31,

Other Long-term Assets

	<u>2023</u>	<u>2022</u>
Pension assets (Note 16)	\$ 380	\$ 661
Insurance contracts (c)	38	39
Long-term receivables, net (d)	163	164
Lease assets (Note 4)	938	872
Deposits	76	52
Investments carried at cost (e)	187	184
Deferred charges	60	66
Deferred income taxes (Note 5)	226	230
Unrealized gains on derivatives (Note 12)	8	4
Other	223	204
	<u>\$ 2,299</u>	<u>\$ 2,476</u>

December 31,

Other Current Liabilities

	<u>2023</u>	<u>2022</u>
Accrued expenses	\$ 1,494	\$ 1,533
Payroll	678	614
VAT payable	253	259
Pension and postretirement (Note 16)	31	51
Interest payable	129	118
Lease liability (Note 4)	227	223
Insurance reserves	21	19
Unrealized losses on derivatives (Note 12)	41	23
Cost reduction programs and other charges (Note 3)	146	187
Other	1,136	1,055
	<u>\$ 4,156</u>	<u>\$ 4,082</u>



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December 31,	2023	2022
Other Long-term Liabilities		
Pension and postretirement (Note 16)	\$ 693	\$ 640
Tax liabilities for uncertain tax positions (Note 5)	216	248
Tax Act liabilities (f)	80	139
Lease liability (Note 4)	715	654
Interest and penalties for uncertain tax positions (Note 5)	14	35
Insurance reserves	54	52
Asset retirement obligation	305	305
Unrealized losses on derivatives (Note 12)	6	73
Cost reduction programs and other charges (Note 3)	68	133
Contingent liabilities (Note 17)	1,148	29
Other	505	487
	<u>\$ 3,804</u>	<u>\$ 2,795</u>

December 31,	2023	2022
Deferred Credits		
Deferred income taxes (Note 5)	\$ 5,749	\$ 5,886
Contract liabilities (Note 19)	1,049	913
	<u>\$ 6,798</u>	<u>\$ 6,799</u>

December 31,	2023	2022
Accumulated Other Comprehensive Income (Loss)		
Cumulative translation adjustment - net of taxes:		
Americas (g)	\$ (3,618)	\$ (3,942)
EMEA (g)	(737)	(1,249)
APAC (g)	(1,037)	(835)
Engineering	(93)	(241)
Other	113	483
	<u>(5,372)</u>	<u>(5,784)</u>
Derivatives – net of taxes	7	62
Pension/OPEB funded status obligation (net of \$60 million tax benefit in 2023 and \$(54) million tax obligation in 2022) (Note 16)	(440)	(60)
	<u>\$ (5,805)</u>	<u>\$ (5,782)</u>

- (a) Depreciation and amortization expense in 2023 include \$529 million and \$462 million, respectively, of Linde AG purchase accounting impacts. In 2022, depreciation and amortization expense include \$1,006 million and \$474 million, respectively, of Linde AG purchase accounting impacts.
- (b) Includes estimated income tax payments of \$173 million in 2023 and \$164 million in 2022.
- (c) Consists primarily of insurance contracts and other investments to be utilized for non-qualified pension and OPEB obligations.
- (d) The balances at December 31, 2023 and 2022 are net of reserves of \$42 million and \$36 million, respectively. The amounts relate primarily to long-term notes receivable from customers in APAC, government receivables in Brazil and receivables from the sale of GIST.
- (e) Includes investments from the deconsolidation of Russian subsidiaries.



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- (f) Represents tax payable related to the deemed repatriation tax pursuant to the U.S. Tax Cuts and Jobs Act of 2018. The company is required to fund the balance in annual installments through 2025.
- (g) Americas consists of currency translation adjustments primarily in Canada, Mexico, and Brazil. EMEA relates primarily to Germany, the U.K., the Netherlands, Hungary, Norway and Sweden. APAC relates primarily to China, South Korea, India and Australia.

NOTE 8. PROPERTY, PLANT AND EQUIPMENT – NET

Significant classes of property, plant and equipment are as follows:

<i>(Millions of dollars)</i> December 31,	Depreciable Lives (Yrs)	2023	2022
Production plants (primarily 15-year life) (a)	10-20	\$ 33,071	\$ 30,554
Storage tanks	15-20	5,445	4,807
Transportation equipment and other	3-15	4,050	3,434
Cylinders	10-30	4,993	4,604
Buildings	25-40	3,275	3,002
Land and improvements (b)	0-20	1,087	1,047
Construction in progress		3,404	3,239
		55,325	50,687
Less: accumulated depreciation		(30,773)	(27,139)
		<u>\$ 24,552</u>	<u>\$ 23,548</u>

- (a) Depreciable lives of production plants related to long-term customer supply contracts are generally consistent with the contract lives.
- (b) Land is not depreciated.

NOTE 9. GOODWILL

Changes in the carrying amount of goodwill for the years ended December 31, 2023 and 2022 were as follows:

<i>(Millions of dollars)</i>	Americas	EMEA	APAC	Engineering	Other	Total
Balance, December 31, 2021	\$ 9,087	\$ 10,278	\$ 4,854	\$ 2,496	\$ 323	\$ 27,038
Acquisitions	44	28	—	—	—	72
Foreign currency translation and other	5	(773)	(304)	(146)	(13)	(1,231)
Disposals (Note 2 & Note 3)	—	(41)	—	(1)	(20)	(62)
Balance, December 31, 2022	9,136	9,492	4,550	2,349	290	25,817
Acquisitions (Note 2)	550	—	3	—	—	553
Foreign currency translation and other	17	347	(54)	73	3	386
Disposals	—	(5)	—	—	—	(5)
Balance, December 31, 2023	<u>\$ 9,703</u>	<u>\$ 9,834</u>	<u>\$ 4,499</u>	<u>\$ 2,422</u>	<u>\$ 293</u>	<u>\$ 26,751</u>

Linde performs its goodwill impairment tests annually as of October 1 or more frequently if events or circumstances indicate that an impairment loss may have been incurred. For the fourth quarter 2023 test, the company applied the FASB's accounting guidance which allows the company to first assess qualitative factors to determine the extent of additional quantitative analysis, if any, that may be required to test goodwill for impairment. Based on the qualitative assessments performed, the company concluded that it was more likely than not that the fair value of each reporting unit substantially exceeded its carrying value and therefore, further quantitative analysis was not required. As a result, no impairment was recorded. There were no indicators of impairment since the annual goodwill impairment test was performed through December 31, 2023.



NOTE 10. OTHER INTANGIBLE ASSETS

The following is a summary of Linde's other intangible assets at December 31, 2023 and 2022:

(Millions of dollars) For the year ended December 31, 2023

	Customer Relationships	Brands/Tradenames	Other Intangible Assets	Total
Cost:				
Balance, December 31, 2022	\$ 11,062	\$ 2,565	\$ 1,697	\$ 15,324
Additions	258	6	50	314
Foreign currency translation	185	38	41	264
Disposals	(3)	—	(20)	(23)
Other *	(23)	—	145	122
Balance, December 31, 2023	11,479	2,609	1,913	16,001
Less: accumulated amortization:				
Balance, December 31, 2022	(1,841)	(196)	(867)	(2,904)
Amortization expense (Note 7)	(423)	(36)	(91)	(550)
Foreign currency translation	(36)	(1)	(24)	(61)
Disposals	—	—	21	21
Other *	30	—	(138)	(108)
Balance, December 31, 2023	(2,270)	(233)	(1,099)	(3,602)
Net balance at December 31, 2023	\$ 9,209	\$ 2,376	\$ 814	\$ 12,399

(Millions of dollars) For the year ended December 31, 2022

	Customer Relationships	Brands/Tradenames	Other Intangible Assets	Total
Cost:				
Balance, December 31, 2021	\$ 11,859	\$ 2,685	\$ 1,629	\$ 16,173
Additions	19	—	53	72
Foreign currency translation	(660)	(120)	(56)	(836)
Disposals (Note 2)	(140)	—	(45)	(185)
Other *	(16)	—	116	100
Balance, December 31, 2022	11,062	2,565	1,697	15,324
Less: accumulated amortization:				
Balance, December 31, 2021	(1,541)	(159)	(671)	(2,371)
Amortization expense (Note 7)	(419)	(42)	(110)	(571)
Foreign currency translation	80	5	13	98
Disposals (Note 2)	34	—	16	50
Other *	5	—	(115)	(110)
Balance, December 31, 2022	(1,841)	(196)	(867)	(2,904)
Net balance at December 31, 2022	\$ 9,221	\$ 2,369	\$ 830	\$ 12,420

*Other primarily relates to the write-off of fully amortized assets and reclassifications.

There are no expected residual values related to these intangible assets. Amortization expense for the years ended December 31, 2023, 2022 and 2021 was \$550 million, \$571 million and \$723 million, respectively. The remaining weighted-average amortization period for intangible assets is approximately 24 years.



Total estimated annual amortization expense related to finite-lived intangibles is as follows:

(Millions of dollars)

2024	\$	578
2025		528
2026		516
2027		505
2028		492
Thereafter		8,035
Total amortization related to finite-lived intangible assets		10,654
Indefinite-lived intangible assets at December 31, 2023		1,745
Net intangible assets at December 31, 2023	\$	12,399



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NOTE 11. DEBT

The following is a summary of Linde's outstanding debt at December 31, 2023 and 2022:

(Millions of dollars)

	<u>December 31, 2023</u>	<u>December 31, 2022</u>
SHORT-TERM		
Commercial paper	\$ 4,483	\$ 3,926
Other borrowings (primarily non U.S.)	230	191
Total short-term debt	<u>4,713</u>	<u>4,117</u>
LONG-TERM (a)		
<i>(U.S. dollar denominated unless otherwise noted)</i>		
2.70% Notes due 2023 (c)	—	501
2.00% Euro denominated notes due 2023 (d)	—	699
5.875% GBP denominated notes due 2023 (d)	—	367
1.20% Euro denominated notes due 2024	607	588
1.875% Euro denominated notes due 2024 (b)	332	324
4.800% Notes due 2024	300	299
4.700% Notes due 2025	599	598
2.65% Notes due 2025	399	400
1.625% Euro denominated notes due 2025	550	533
3.625% Euro denominated notes due 2025 (e)	551	—
0.00% Euro denominated notes due 2026	774	751
3.20% Notes due 2026	724	724
3.434% Notes due 2026	198	198
1.652% Euro denominated notes due 2027	90	88
0.250% Euro denominated notes due 2027	827	802
1.00% Euro denominated notes due 2027	553	536
1.00% Euro denominated notes due 2028 (b)	780	749
3.375% Euro denominated notes due 2029 (e)	824	—
1.10% Notes due 2030	697	696
1.90% Euro denominated notes due 2030	114	111
1.375% Euro denominated notes due 2031	829	803
0.550% Euro denominated notes due 2032	823	798
0.375% Euro denominated notes due 2033	546	529
3.625% Euro denominated notes due 2034 (e)	714	—
1.625% Euro denominated notes due 2035	876	849
3.55% Notes due 2042	666	665
2.00% Notes due 2050	296	296
1.00% Euro denominated notes due 2051	755	731
Non U.S. borrowings	226	152
Other	10	10
	<u>14,660</u>	<u>13,797</u>
Less: current portion of long-term debt	<u>(1,263)</u>	<u>(1,599)</u>
Total long-term debt	<u>13,397</u>	<u>12,198</u>
Total debt	<u>\$ 19,373</u>	<u>\$ 17,914</u>

(a) Amounts are net of unamortized discounts, premiums and/or debt issuance costs as applicable.



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- (b) December 31, 2023 and December 31, 2022 included a cumulative \$46 million and \$56 million adjustment to carrying value, respectively, related to hedge accounting of interest rate swaps, including related terminations. Refer to Note 12.
- (c) In February 2023, Linde repaid \$500 million of 2.70% notes that became due.
- (d) In April 2023, Linde repaid €650 million of 2.00% notes and £300 million of 5.875% notes that became due.
- (e) In June 2023, Linde issued €500 million of 3.625% notes due in 2025, €750 million of 3.375% notes due in 2029 and €650 million of 3.625% notes due in 2034.

Credit Facilities

On December 7, 2022, the company and certain of its subsidiaries entered into an amended and restated unsecured revolving credit agreement (the "Five Year Credit Agreement") with a syndicate of banking institutions. The Five Year Credit Agreement provides for total commitments of \$5.0 billion, which may be increased up to \$6.5 billion, subject to receipt of additional commitments and satisfaction of customary conditions. There are no financial maintenance covenants contained within the Credit Agreement. The revolving credit facility expires on December 7, 2027 with the option to request two one-year extensions of the expiration date.

In addition, on December 6, 2023, the company and certain of its subsidiaries entered into an unsecured 364-day revolving credit agreement (the "364-Day Credit Agreement" and, together with the Five Year Credit Agreement, the "Credit Agreements") with a syndicate of banking institutions. The 364-Day Credit Agreement provides for total commitments of \$1.5 billion. There are no financial maintenance covenants contained within the Credit Agreement. The 364-Day Credit Agreement expires on December 4, 2024 with the option to elect to have the entire principal balances outstanding under the Credit Agreement converted into non-revolving term loans, which will be due and payable one year after the commitment termination date.

No borrowings were outstanding under the Credit Agreements as of December 31, 2023.

Other Debt Information

The weighted-average interest rates of short-term borrowings outstanding were 4.8% and 3.2% as of December 31, 2023 and 2022, respectively.

Expected maturities of long-term debt are as follows:

(Millions of dollars)

2024	\$	1,263
2025		2,113
2026		1,733
2027		1,500
2028		835
Thereafter		7,216
	\$	<u>14,660</u>

As of December 31, 2023, the amount of Linde's assets pledged as collateral was immaterial.

See Note 13 for the fair value information related to debt.



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NOTE 12. FINANCIAL INSTRUMENTS

In its normal operations, Linde is exposed to market risks relating to fluctuations in interest rates, foreign currency exchange rates, energy and commodity costs. The objective of financial risk management at Linde is to minimize the negative impact of such fluctuations on the company's earnings and cash flows. To manage these risks, among other strategies, Linde routinely enters into various derivative financial instruments ("derivatives") including interest-rate swap and treasury rate lock agreements, currency-swap agreements, forward contracts, currency options, and commodity-swap agreements. These instruments are not entered into for trading purposes and Linde only uses commonly traded and non-leveraged instruments.

There are three types of derivatives that the company enters into: (i) those relating to fair-value exposures, (ii) those relating to cash-flow exposures, and (iii) those relating to foreign currency net investment exposures. Fair-value exposures relate to recognized assets or liabilities, and firm commitments; cash-flow exposures relate to the variability of future cash flows associated with recognized assets or liabilities, or forecasted transactions; and net investment exposures relate to the impact of foreign currency exchange rate changes on the carrying value of net assets denominated in foreign currencies.

When a derivative is executed and hedge accounting is appropriate, it is designated as either a fair-value hedge, cash-flow hedge, or a net investment hedge. Currently, Linde designates all interest-rate and treasury rate locks as hedges for accounting purposes; however, cross-currency contracts are generally not designated as hedges for accounting purposes. Certain currency contracts related to forecasted transactions are designated as hedges for accounting purposes. Whether designated as hedges for accounting purposes or not, all derivatives are linked to an appropriate underlying exposure. On an ongoing basis, the company assesses the hedge effectiveness of all derivatives designated as hedges for accounting purposes to determine if they continue to be highly effective in offsetting changes in fair values or cash flows of the underlying hedged items. If it is determined that the hedge is not highly effective, through the use of a qualitative assessment, then hedge accounting will be discontinued prospectively.

Counterparties to Linde's derivatives are major banking institutions with credit ratings of investment grade or better. The company has Credit Support Annexes ("CSAs") in place for certain entities with their principal counterparties to minimize potential default risk and to mitigate counterparty risk. Under the CSAs, the fair values of derivatives for the purpose of interest rate and currency management are collateralized with cash on a regular basis. As of December 31, 2023, the impact of such collateral posting arrangements on the fair value of derivatives was insignificant. Management believes the risk of incurring losses on derivative contracts related to credit risk is remote and any losses would be immaterial.

The following table is a summary of the notional amount and fair value of derivatives outstanding at December 31, 2023 and 2022 for consolidated subsidiaries:

<i>(Millions of dollars)</i>	Notional Amounts		Fair Value				
			Assets (a)		Liabilities (a)		
	2023	2022	2023	2022	2023	2022	
December 31,							
Derivatives Not Designated as Hedging Instruments:							
<i>Currency contracts:</i>							
Balance sheet items	\$ 4,567	\$ 3,056	\$ 46	\$ 13	\$ 26	\$ 7	
Forecasted transactions	335	449	11	9	6	9	
Cross-currency swaps	—	42	—	—	—	1	
<i>Commodity contracts</i>	N/A	N/A	—	—	—	—	
Total	\$ 4,902	\$ 3,547	\$ 57	\$ 22	\$ 32	\$ 17	
Derivatives Designated as Hedging Instruments:							
<i>Currency contracts:</i>							
Forecasted transactions	\$ 749	\$ 323	\$ 20	\$ 6	\$ 4	\$ 5	
<i>Commodity contracts</i>	N/A	N/A	3	—	7	4	
<i>Interest rate swaps</i>	1,214	856	1	—	4	70	
Total Hedges	\$ 1,963	\$ 1,179	\$ 24	\$ 6	\$ 15	\$ 79	
Total Derivatives	\$ 6,865	\$ 4,726	\$ 81	\$ 28	\$ 47	\$ 96	



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(a) Amounts at December 31, 2023 and 2022 included current assets of \$73 million and \$24 million, which are recorded in prepaid and other current assets; long-term assets of \$8 million and \$4 million, which are recorded in other long-term assets; current liabilities of \$41 million and \$23 million, which are recorded in other current liabilities; and long-term liabilities of \$6 million and \$73 million, which are recorded in other long-term liabilities.

Balance Sheet Items

Foreign currency contracts related to balance sheet items consist of forward contracts entered into to manage the exposure to fluctuations in foreign-currency exchange rates on recorded balance sheet assets and liabilities denominated in currencies other than the functional currency of the related operating unit. Certain forward currency contracts are entered into to protect underlying monetary assets and liabilities denominated in foreign currencies from foreign exchange risk and are not designated as hedging instruments. For balance sheet items that are not designated as hedging instruments, the fair value adjustments on these contracts are offset by the fair value adjustments recorded on the underlying monetary assets and liabilities.

Forecasted Transactions

Foreign currency contracts related to forecasted transactions consist of forward contracts entered into to manage the exposure to fluctuations in foreign-currency exchange rates on (1) forecasted purchases of capital-related equipment and services, (2) forecasted sales, or (3) other forecasted cash flows denominated in currencies other than the functional currency of the related operating units. For forecasted transactions that are designated as cash flow hedges, fair value adjustments are recorded to accumulated other comprehensive income (loss) with deferred amounts reclassified to earnings over the same time period as the income statement impact of the associated purchase. For forecasted transactions that do not qualify for cash flow hedging relationships, fair value adjustments are recorded directly to earnings. Linde is hedging forecasted transactions for a maximum period of three years.

Cross-Currency Swaps

Cross-currency interest rate swaps are entered into to limit the foreign currency risk of future principal and interest cash flows associated with intercompany loans, and to a more limited extent bonds, denominated in non-functional currencies. The fair value adjustments on the cross-currency swaps are recorded to earnings, where they are offset by fair value adjustments on the underlying intercompany loan or bond.

Commodity Contracts

Commodity contracts are entered into to manage the exposure to fluctuations in commodity prices, which arise in the normal course of business from its procurement transactions. To reduce the extent of this risk, Linde enters into a limited number of electricity, natural gas, and propane gas derivatives. For forecasted transactions that are designated as cash flow hedges, fair value adjustments are recorded to accumulated other comprehensive income (loss) with deferred amounts reclassified to earnings over the same time period as the income statement impact of the associated purchase. Linde is hedging commodity contracts for a maximum period of three years.

Net Investment Hedges

As of December 31, 2023, Linde has €10.7 billion (\$11.7 billion) Euro-denominated notes and intercompany loans and ¥4.7 billion (\$0.7 billion) CNY-denominated intercompany loans that are designated as hedges of the net investment positions in certain foreign operations. Since hedge inception, the deferred gain recorded within cumulative translation adjustment component of accumulated other comprehensive income (loss) in the consolidated balance sheet is \$45 million (deferred loss of \$305 million in the consolidated statement of comprehensive income for the year ended December 31, 2023).

As of December 31, 2023, exchange rate movements relating to previously designated hedges that remain in accumulated other comprehensive income (loss) is a gain of \$56 million. These movements will remain in accumulated other comprehensive income (loss), until appropriate, such as upon sale or liquidation of the related foreign operations at which time amounts will be reclassified to the consolidated statements of income.

Interest Rate Swaps

Linde uses interest rate swaps to hedge the exposure to changes in the fair value of financial assets and financial liabilities as a result of interest rate changes. These interest rate swaps effectively convert fixed-rate interest exposures to variable rates; fair value adjustments are recognized in earnings along with an equally offsetting charge/benefit to earnings for the changes in the fair value of the underlying financial asset or financial liability (see Note 11). Certain interest rate swaps in a designated fair value hedge relationship were terminated during 2023. Upon termination, adjustments are no longer recorded to the hedged items for changes in respective fair values attributable to the risk being hedged. The unrecognized



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loss on the terminated interest rate swaps is shown as a discount to long-term debt of \$56 million, and will be amortized to interest expense over the remaining life of the debt, which extends through April 2028.

In addition, as of December 31, 2023, Linde is using interest rate swaps with a notional value of €1 billion to hedge the variability of future cash flows of forecasted transactions due to interest rate risk and has designated this as a cash flow hedge.

Derivatives Impact on Consolidated Statements of Income

The following table summarizes the impact of the company's derivatives on the consolidated statements of income:

(Millions of dollars) December 31,	Amount of Pre-Tax Gain (Loss) Recognized in Earnings *		
	2023	2022	2021
Derivatives Not Designated as Hedging Instruments			
Currency contracts:			
Balance sheet items:			
Debt-related	\$ 91	\$ 12	\$ 42
Other balance sheet items	(1)	8	(5)
Total	\$ 90	\$ 20	\$ 38

* The gains (losses) on balance sheet items are offset by gains (losses) recorded on the underlying hedged assets and liabilities. Accordingly, the gains (losses) for the derivatives and the underlying hedged assets and liabilities related to debt items are recorded in the consolidated statements of income as interest expense-net. Other balance sheet items and anticipated net income gains (losses) are recorded in the consolidated statements of income as other income (expenses)-net.

The amounts of gain or loss recognized in accumulated other comprehensive income (loss) and reclassified to the consolidated statement of income was not material for the years ended December 31, 2023, 2022, and 2021. Net impacts expected to be reclassified to earnings during the next twelve months are also not material.

NOTE 13. FAIR VALUE DISCLOSURES

The fair value hierarchy prioritizes the inputs to valuation techniques used to measure fair value into three broad levels as follows:

- Level 1 – quoted prices in active markets for identical assets or liabilities
- Level 2 – quoted prices for similar assets and liabilities in active markets or inputs that are observable
- Level 3 – inputs that are unobservable (for example cash flow modeling inputs based on assumptions)

Assets and Liabilities Measured at Fair Value on a Recurring Basis

The following table summarizes assets and liabilities measured at fair value on a recurring basis at December 31, 2023 and 2022:

(Millions of dollars)	Fair Value Measurements Using					
	Level 1		Level 2		Level 3	
	2023	2022	2023	2022	2023	2022
Assets						
Derivative assets	\$ —	\$ —	\$ 81	\$ 28	\$ —	\$ —
Investments and securities *	16	20	—	—	12	13
Total	\$ 16	\$ 20	\$ 81	\$ 28	\$ 12	\$ 13
Liabilities						
Derivative liabilities	\$ —	\$ —	\$ 47	\$ 96	\$ —	\$ —

* Investments and securities are recorded in prepaid and other current assets and other long-term assets in the company's consolidated balance sheets.

Level 1 investments and securities are marketable securities traded on an exchange. Level 2 investments are based on market prices obtained from independent brokers or determined using quantitative models that use as their basis readily observable market parameters that are actively quoted and can be validated through external sources, including third-party pricing services, brokers and market transactions. Level 3 investments and securities consist of a venture fund. For the



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valuation, Linde uses the net asset value received as part of the fund's quarterly reporting, which for the most part is not based on quoted prices in active markets. In order to reflect current market conditions, Linde proportionally adjusts these by observable market data (stock exchange prices) or current transaction prices.

Changes in level 3 investments and securities were immaterial.

The fair value of cash and cash equivalents, short-term debt, accounts receivable-net, and accounts payable approximate carrying value because of the short-term maturities of these instruments.

The fair value of long-term debt is estimated based on the quoted market prices for the same or similar issues. Long-term debt is categorized within Level 2 of the fair value hierarchy. At December 31, 2023, the estimated fair value of Linde's long-term debt portfolio was \$13,337 million versus a carrying value of \$14,660 million. At December 31, 2022 the estimated fair value of Linde's long-term debt portfolio was \$11,994 million versus a carrying value of \$13,797 million. Differences between the carrying value and the fair value are attributable to fluctuations in interest rates subsequent to when the debt was issued and relative to stated coupon rates.

NOTE 14. EQUITY AND NONCONTROLLING INTERESTS

Linde plc Shareholders' Equity

On March 1, 2023, in connection with the shareholder approved intercompany reorganization that resulted in the delisting of old Linde plc from the New York Stock Exchange (NYSE) and the Frankfurt Stock Exchange (FSE), and the subsequent relisting of new Linde plc to the NYSE, Linde shareholders automatically received one share of the new holding company in exchange for each share of Linde plc that was previously owned. The company issued 490,766,972 new Linde shares. Linde plc's historical treasury shares were immediately canceled which resulted in an approximate \$15 billion decrease in treasury shares and retained earnings in Shareholders' Equity. On November 7, 2023, Linde plc transferred the listing of its ordinary shares from the NYSE to the Nasdaq, and continued trading under the ticker symbol "LIN".

At December 31, 2023 and 2022, Linde has total authorized share capital of €1,825,000 divided into 1,750,000,000 ordinary shares of €0.001 each, 25,000 A ordinary shares of €1.00 each, 25,000 deferred shares of €1.00 each and 25,000,000 preferred shares of €0.001 each.

At December 31, 2023 there were 490,766,972 and 482,445,145 of Linde plc ordinary shares issued and outstanding, respectively. At December 31, 2023 there were no shares of A ordinary shares, deferred shares or preferred shares issued or outstanding.

At December 31, 2022 there were 552,012,862 and 492,457,627 of Linde plc ordinary shares issued and outstanding, respectively. At December 31, 2022, there were no shares of A ordinary shares, deferred shares or preferred shares issued or outstanding.

Linde's Board of Directors may from time to time authorize the issuance of one or more series of preferred stock and, in connection with the creation of such series, determine the characteristics of each such series including, without limitation, the preference and relative, participating, optional or other special rights, and the qualifications, limitations or restrictions of the series.

Other Linde plc Ordinary Share and Treasury Share Transactions

Linde may issue new ordinary shares for dividend reinvestment and stock purchase plans and employee savings and incentive plans. No new ordinary shares were issued in 2023, 2022 and 2021.

On January 22, 2019 the company's board of directors approved the additional repurchase of \$6.0 billion of its ordinary shares under which Linde had repurchased 24,847,354 shares through December 31, 2021. Linde completed the repurchases under this program in the first quarter of 2021.

On January 25, 2021 the company's board of directors approved the additional repurchase of \$5.0 billion of its ordinary shares under which Linde had repurchased 16,662,678 shares through December 31, 2022. Linde completed the repurchases under this program in the first quarter of 2022.

On February 28, 2022, the company's board of directors authorized a new share repurchase program for up to \$10.0 billion of its ordinary shares ("2022 program") under which Linde had repurchased 26,411,514 shares through December 31, 2023. This program expires on July 31, 2024.

On October 23, 2023, the company's board of directors approved a new share repurchase program for up to \$15.0 billion of its ordinary shares ("2023 program") under which Linde has no repurchases as of December 31, 2023. This program will



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terminate on the earlier of the date as the maximum authority under the 2023 program is reached or the board terminates the 2023 program.

Noncontrolling Interests

Noncontrolling interest ownership changes are presented within the consolidated statements of equity. 2022 includes the impact of deconsolidating the company's Russian gas and engineering business entities (see Note 3).

Redeemable Noncontrolling Interests

Noncontrolling interests with redemption features, such as put/sell options, that are not solely within the company's control ("redeemable noncontrolling interests") are reported separately in the consolidated balance sheets at the greater of carrying value or redemption value. For redeemable noncontrolling interests that are not yet exercisable, Linde calculates the redemption value by accreting the carrying value to the redemption value over the period until exercisable. If the redemption value is greater than the carrying value, any increase is adjusted directly to retained earnings and does not impact net income. At December 31, 2023 and 2022, the redeemable noncontrolling interest balance includes an industrial gas business in EMEA where the noncontrolling shareholders have put options.



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NOTE 15. SHARE-BASED COMPENSATION

Share-based compensation expense was \$141 million in 2023 (\$107 million and \$128 million in 2022 and 2021, respectively). The related income tax benefit recognized was \$88 million in 2023 (\$64 million and \$64 million in 2022 and 2021, respectively). The expense was primarily recorded in selling, general and administrative expenses and no share-based compensation expense was capitalized.

Summary of Plans

The 2021 Linde plc Long Term Incentive Plan (the "2021 Plan") was adopted by the Board of Directors and shareholders of Linde plc on July 26, 2021. The 2021 Plan permits awards of stock options, stock appreciation rights, restricted stock and restricted stock units, performance-based stock units and other equity awards to eligible officer and non-officer employees and non-employee directors of the company and its affiliates. As of December 31, 2023, 7,661,431 shares remained available for equity grants under the 2021 Plan, of which 2,452,443 shares may be granted as awards other than options or stock appreciation rights.

Exercise prices for options granted under the 2021 Plan may not be less than the closing market price of the company's ordinary shares on the date of grant and granted options may not be re-priced or exchanged without shareholder approval. Options granted under the 2021 Plan subject only to time vesting requirements may become partially exercisable after a minimum of one year after the date of grant but may not become fully exercisable until at least three years have elapsed from the date of grant, and all options have a maximum duration of ten years.

In order to satisfy option exercises and other equity grants, the company may issue authorized but previously unissued shares or it may issue treasury shares.

Stock Option Fair Value

The company utilizes the Black-Scholes Options-Pricing Model to determine the fair value of stock options consistent with that used in prior years. Management is required to make certain assumptions with respect to selected model inputs, including anticipated changes in the underlying stock price (i.e., expected volatility) and option exercise activity (i.e., expected life). Expected volatility is based on the historical volatility of the company's stock over the most recent period commensurate with the estimated expected life of the company's stock options and other factors. The expected life of options granted, which represents the period of time that the options are expected to be outstanding, is based primarily on historical exercise experience. The expected dividend yield is based on the company's most recent history and expectation of dividend payouts. The risk-free rate is based on the U.S. Treasury yield curve in effect at the time of grant for a period commensurate with the estimated expected life. If factors change and result in different assumptions in future periods, the stock option expense that the company records for future grants may differ significantly from what the company has recorded in the current period.

The weighted-average fair value of options granted during 2023 was \$83.69 (\$45.07 in 2022 and \$37.80 in 2021) based on the Black-Scholes Options-Pricing model. The increase in the grant date fair value year-over-year is primarily attributable to the increase in the stock price.

The following weighted-average assumptions were used to value the grants in 2023, 2022 and 2021:

<u>Year Ended December 31,</u>	<u>2023</u>	<u>2022</u>	<u>2021</u>
Dividend yield	1.4 %	1.7 %	1.7 %
Volatility	22.0 %	20.6 %	18.4 %
Risk-free interest rate	4.23 %	1.70 %	1.10 %
Expected term years	5	5	6

The following table summarizes option activity under the plans as of December 31, 2023 and changes during the period then ended (averages are calculated on a weighted basis; life in years; intrinsic value expressed in millions):



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<u>Activity</u>	<u>Number of Options (000's)</u>	<u>Average Exercise Price</u>	<u>Average Remaining Life</u>	<u>Aggregate Intrinsic Value</u>
Outstanding at January 1, 2023	6,720	\$ 164.03		
Granted	361	354.16		
Exercised	(1,225)	137.78		
Cancelled or expired	(31)	311.86		
Outstanding at December 31, 2023	<u>5,825</u>	\$ 180.58	5.0	\$ 1,341
Exercisable at December 31, 2023	<u>4,926</u>	\$ 159.18	4.4	\$ 1,239

The aggregate intrinsic value represents the difference between the company's closing stock price of \$410.71 as of December 31, 2023 and the exercise price multiplied by the number of in the money options outstanding as of that date. The total intrinsic value of stock options exercised during 2023 was \$283 million (\$176 million and \$294 million in 2022 and 2021, respectively).

Cash received from option exercises under all share-based payment arrangements for 2023 was \$33 million (\$36 million and \$50 million in 2022 and 2021, respectively). The cash tax benefit realized from share-based compensation totaled \$86 million for 2023 (\$61 million and \$64 million cash tax benefit in 2022 and 2021, respectively).

As of December 31, 2023, \$17 million of unrecognized compensation cost related to non-vested stock options is expected to be recognized over a weighted-average period of approximately 1 year.

Performance-Based and Restricted Stock Unit Awards

In 2023, the company granted 341,915 performance-based stock unit awards under the 2021 Plan to senior management that vest, subject to the attainment of pre-established minimum performance criteria, principally on the third anniversary of their date of grant. These awards are tied to either after tax return on capital ("ROC") performance or relative total shareholder return ("TSR") performance versus that of a blended group of companies that is comprised of the S&P 500, excluding the Financial sector, and Eurofirst 300. The actual number of shares issued in settlement of a vested award can range from zero to 200 percent of the target number of shares granted based upon the company's attainment of specified performance targets at the end of a three-year period. Compensation expense related to these awards is recognized over the three-year performance period based on the fair value of the closing market price of the company's ordinary shares on the date of the grant and the estimated performance that will be achieved. Compensation expense for ROC awards will be adjusted during the three-year performance period based upon the estimated performance levels that will be achieved. TSR awards are measured at their grant date fair value and not subsequently re-measured. The number of performance-based stock unit awards granted in 2023 includes an increase of 201,120 stock units to the target number of performance-based awards originally granted in 2020, as these awards achieved a higher payout factor upon completion of the three-year performance period.

The weighted-average fair value of ROC awards granted in 2023 was \$340.80 (\$257.63 in 2022 and \$241.10 in 2021). These fair values are based on the closing market price of Linde's ordinary shares on the grant date adjusted for dividends that will not be paid during the vesting period.

The weighted-average fair value of TSR awards granted in 2023 was \$489.33 (\$301.42 in 2022 and \$301.04 in 2021) and was estimated using a Monte Carlo simulation performed as of the grant date.

There were 160,839 restricted stock units granted to employees by Linde during 2023. The weighted-average fair value of restricted stock units granted during 2023 was \$332.69 (\$260.27 in 2022 and \$242.60 in 2021). These fair values are based on the closing market price of Linde's ordinary shares on the grant date adjusted for dividends that will not be paid during the vesting period. Compensation expense related to the restricted stock units is recognized over the vesting period.

The following table summarizes non-vested performance-based and restricted stock unit award activity as of December 31, 2023 and changes during the period then ended (shares based on target amounts, averages are calculated on a weighted basis):



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	Performance-Based		Restricted Stock	
	Number of Shares (000's)	Average Grant Date Fair Value	Number of Shares (000's)	Average Grant Date Fair Value
Non-vested at January 1, 2023	583	\$ 226.04	646	\$ 190.33
Granted	342	385.10	161	332.69
Vested	(340)	174.99	(154)	176.06
Cancelled and Forfeited	(13)	156.14	(15)	163.12
Non-vested at December 31, 2023	572	\$ 281.11	638	\$ 232.15

There are approximately 11 thousand performance-based stock units and 17 thousand restricted stock units that are non-vested at December 31, 2023 which will be settled in cash due to foreign regulatory limitations. The liability related to these grants reflects the current estimate of performance that will be achieved and the current share price.

As of December 31, 2023, \$48 million of unrecognized compensation cost related to performance-based awards and \$42 million of unrecognized compensation cost related to the restricted stock unit awards is expected to be recognized primarily through the first quarter of 2026.

NOTE 16. RETIREMENT PROGRAMS

Defined Benefit Pension Plans - U.S.

The Linde retirement plans are non-contributory defined benefit plans covering eligible employees and its participating affiliates. Effective July 1, 2002, the Linde U.S. Pension Plan was amended to give participating employees a one-time irrevocable choice between a traditional benefit (the "Traditional Design") and an account-based benefit (the "Account-Based Design"). The Traditional Design pays a monthly benefit based on years of service and average pay during the last years of the participant's career with Linde. The Account-Based Design gives participants annual pay credits equal to 4% of eligible compensation, plus interest credits based on long-term treasury rates on the accumulated account balance. This new formula applies to all new employees hired after April 30, 2002 into businesses adopting this plan. The U.S. pension plan assets are comprised of a diversified mix of investments, including corporate equities, government securities and corporate debt securities. Linde has several plans that provide supplementary retirement benefits primarily to higher level employees that are unfunded and are nonqualified for federal tax purposes. Pension coverage for employees of certain of Linde's non-U.S. subsidiaries generally is provided by those companies through separate plans. Obligations under such plans are primarily provided for through diversified investment portfolios, with some smaller plans provided for under insurance policies or by book reserves.

Defined Benefit Pension Plans - Non-U.S.

Linde has Non-U.S., defined benefit commitments primarily in Germany and the U.K that include pension plan assets comprised of a diversified mix of investments. The defined benefit commitments in Germany relate to old age pensions, invalidity pensions and surviving dependents pensions. These commitments also take into account vested rights for periods of service prior to January 1, 2002 based on earlier final-salary pension plan rules. In addition, there are direct commitments in respect of the salary conversion scheme for the form of cash balance plans. The resulting pension payments are calculated on the basis of an interest guarantee and the performance of the corresponding investment. There are no minimum funding requirements. The pension obligations in Germany are partly funded by a Contractual Trust Agreement (CTA). Defined benefit commitments in the U.K. prior to July 1, 2003 are earnings-related and dependent on the period of service. Such commitments relate to old age pensions, invalidity pensions and surviving dependents pensions. Beginning in April 1, 2011, the amount of future increases in inflation-linked pensions and of increases in pensionable emoluments was restricted.

Multi-employer Pension Plans

In the United States Linde participates in eight multi-employer defined benefit pension plans ("MEPs"), pursuant to the terms of collective bargaining agreements, that cover approximately 200 union-represented employees. The collective bargaining agreements expire on different dates through 2028. In connection with such agreements, the company is required to make periodic contributions to the MEPs in accordance with the terms of the respective collective bargaining agreements. Linde's participation in these plans is not material either at the plan level or in the aggregate. For all MEPs, Linde's contributions were significantly less than 1% of the total contributions to each plan for 2022 and 2021. Total 2023 contributions were not yet available from the MEPs.



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Linde has obtained the most recently available Pension Protection Act ("PPA") annual funding notices from the Trustees of the MEPs. As of December 31, 2023, there were two Red Zone plans, deemed to be in "critical" or "critical and declining" status that have implemented financial improvement or rehabilitation plans. Linde does not currently anticipate significant future obligations due to the funding status of these plans and any such obligation would be immaterial. If Linde determined it was probable that it would withdraw from an MEP, the company would record a liability for its portion of the MEP's unfunded pension obligations, as calculated at that time. Historically, such withdrawal payments have not been significant.

Defined Contribution Plans

Linde's U.S. employees are eligible to participate in defined contribution savings plans offered by their applicable business. Employee contribution percentages vary by plan and are subject to the maximum allowable by IRS regulations. The cost for these defined contribution plans was \$59 million in 2023, \$56 million in 2022 and \$51 million in 2021 (these costs are not included in the tables that follow).

The defined contribution plans include a non-leveraged employee stock ownership plan ("ESOP") which covers all employees participating in this plan. The collective number of shares of Linde ordinary shares in the ESOP totaled 1,660,694 at December 31, 2023.

Certain non-U.S. subsidiaries of the company also sponsor defined contribution plans where contributions are determined under various formulas. The expense for these plans was \$60 million in 2023, \$80 million in 2022 and \$101 million in 2021 (these expenses are not included in the tables that follow).

Postretirement Benefits Other Than Pensions (OPEB)

Linde provides health care and life insurance benefits to certain eligible retired employees. These benefits are provided through various insurance companies and healthcare providers. The company does not currently fund its postretirement benefits obligations. Linde's retiree plans may be changed or terminated by Linde at any time for any reason with no liability to current or future retirees.

Linde uses a measurement date of December 31 for its pension and other post-retirement benefit plans.

Pension and Postretirement Benefit Costs

The components of net pension and postretirement benefits other than pension ("OPEB") costs for 2023, 2022 and 2021 are shown in the table below:

	Year Ended December 31,		
	2023	2022	2021
<i>(Millions of dollars)</i>			
Amount recognized in Operating Profit			
Service cost	\$ 84	\$ 127	\$ 157
Amount recognized in Net pension and OPEB cost (benefit), excluding service cost			
Interest cost	373	201	154
Expected return on plan assets	(523)	(518)	(521)
Net amortization and deferral	(30)	74	171
Settlement charges (a)	16	6	4
	<u>\$ (164)</u>	<u>\$ (237)</u>	<u>\$ (192)</u>
Net periodic benefit cost (benefit)	<u>\$ (80)</u>	<u>\$ (110)</u>	<u>\$ (35)</u>

(a) Settlement charges were triggered by lump sum benefit payments.

Funded Status



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Changes in the benefit obligation and plan assets for Linde's pension and OPEB programs, including reconciliation of the funded status of the plans to amounts recorded in the consolidated balance sheet, as of December 31, 2023 and 2022 are shown below.

	Year Ended December 31,			
	2023		2022	
	U.S.	Non-U.S.	U.S.	Non-U.S.
<i>(Millions of dollars)</i>				
Change in Benefit Obligation ("PBO")				
Benefit obligation, January 1	\$ 2,129	\$ 5,586	\$ 2,719	\$ 9,398
Service cost	25	59	34	93
Interest cost	105	268	60	141
Participant contributions	11	18	11	17
Actuarial loss (gain)	100	532	(528)	(2,972)
Benefits paid	(162)	(324)	(158)	(296)
Plan settlement	(21)	(14)	(9)	(8)
Foreign currency translation and other changes	—	260	—	(787)
Benefit obligation, December 31	\$ 2,187	\$ 6,385	\$ 2,129	\$ 5,586
Accumulated benefit obligation ("ABO")	\$ 2,037	\$ 6,300	\$ 1,982	\$ 5,508
Change in Plan Assets				
Fair value of plan assets, January 1	\$ 1,891	\$ 5,794	\$ 2,448	\$ 7,968
Actual return on plan assets	300	365	(421)	(1,302)
Company contributions	—	46	—	51
Participant contributions	—	18	—	17
Benefits paid from plan assets	(141)	(320)	(136)	(248)
Foreign currency translation and other changes	—	275	—	(692)
Fair value of plan assets, December 31	\$ 2,050	\$ 6,178	\$ 1,891	\$ 5,794
Funded Status, End of Year	\$ (137)	\$ (207)	\$ (238)	\$ 208
Recorded in the Balance Sheet (Note 7)				
Other long-term assets	\$ 19	\$ 361	\$ 13	\$ 648
Other current liabilities	(17)	(14)	(38)	(13)
Other long-term liabilities	(139)	(554)	(213)	(427)
Net amount recognized, December 31	\$ (137)	\$ (207)	\$ (238)	\$ 208
Amounts recognized in accumulated other comprehensive income (loss) consist of:				
Net actuarial loss (gain)	\$ 290	\$ 219	\$ 357	\$ (343)
Prior service cost (credit)	(10)	1	(12)	4
Deferred tax obligation (benefit) (Note 7)	(67)	7	(85)	139
Amount recognized in accumulated other comprehensive income (loss) (Note 7)	\$ 213	\$ 227	\$ 260	\$ (200)



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Comparative funded status information as of December 31, 2023 and 2022 for select non-U.S. pension plans is presented in the table below as the benefit obligations of these plans are considered to be significant relative to the total benefit obligation:

	United Kingdom		Germany		Other Non-U.S.		Total Non-U.S.	
	2023		2023		2023		2023	
<i>(Millions of dollars)</i>								
Benefit obligation, December 31	\$	3,616	\$	1,684	\$	1,085	\$	6,385
Fair value of plan assets, December 31		3,858		1,370		950		6,178
Funded Status, End of Year	\$	242	\$	(314)	\$	(135)	\$	(207)

	United Kingdom		Germany		Other Non-U.S.		Total Non-U.S.	
	2022		2022		2022		2022	
<i>(Millions of dollars)</i>								
Benefit obligation, December 31	\$	3,100	\$	1,485	\$	1,001	\$	5,586
Fair value of plan assets, December 31		3,625		1,285		884		5,794
Funded Status, End of Year	\$	525	\$	(200)	\$	(117)	\$	208

The changes in plan assets and benefit obligations recognized in other comprehensive income in 2023 and 2022 are as follows:

	Pensions			
	2023		2022	
<i>(Millions of dollars)</i>				
Current year net actuarial losses (gains)*	\$	480	\$	(1,259)
Amortization of net actuarial gains (losses)		29		(75)
Amortization of prior service credits (costs)		1		1
Pension settlements		(16)		(6)
Foreign currency translation and other changes		—		(90)
Total recognized in other comprehensive income	\$	494	\$	(1,429)

* Pension net actuarial losses in 2023 are largely driven by the decrease in the discount rate environment resulting in actuarial losses from a higher PBO, which is partially offset by favorable plan asset experience for non-U.S. plans. The U.S. plan derived a benefit from the actual return on plan assets. In 2022, the actuarial gains were largely driven by the significant increase in the discount rate environment resulting in actuarial gains from a lower PBO, which is partially offset by unfavorable plan asset experience for both non-U.S. and U.S. plans.

The following table provides information for pension plans where the accumulated benefit obligation exceeds the fair value of plan assets:

	Pensions			
	2023		2022	
	U.S.	Non-U.S.	U.S.	Non-U.S.
<i>(Millions of dollars)</i>				
Year Ended December 31,				
Accumulated benefit obligation ("ABO")	\$	1,952	\$	1,880
Fair value of plan assets	\$	1,945	\$	1,385
			\$	1,895
			\$	1,472



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The following table provides information for pension plans where the projected benefit obligation exceeds the fair value of plan assets:

<i>(Millions of dollars)</i> Year Ended December 31,	Pensions			
	2023		2022	
	U.S.	Non-U.S.	U.S.	Non-U.S.
Projected benefit obligation ("PBO")	\$ 2,012	\$ 1,932	\$ 1,948	\$ 1,901
Fair value of plan assets	\$ 1,945	\$ 1,390	\$ 1,791	\$ 1,478

Assumptions

The assumptions used to determine benefit obligations are as of the respective balance sheet dates and the assumptions used to determine net benefit cost are as of the previous year-end, as shown below:

	Pensions			
	U.S.		Non-U.S.	
	2023	2022	2023	2022
<i>Weighted average assumptions used to determine benefit obligations at December 31,</i>				
Discount rate	5.03 %	5.35 %	4.27 %	4.58 %
Interest crediting rate	4.03 %	4.02 %	1.70 %	2.13 %
Rate of increase in compensation levels	3.50 %	3.25 %	2.58 %	2.59 %
<i>Weighted average assumptions used to determine net periodic benefit cost for years ended December 31,</i>				
Discount rate	5.35 %	2.78 %	4.58 %	1.82 %
Interest crediting rate	4.02 %	2.06 %	2.13 %	1.03 %
Rate of increase in compensation levels	3.25 %	3.25 %	2.59 %	2.55 %
Expected long-term rate of return on plan assets (1)	7.00 %	7.00 %	5.64 %	5.60 %

- (1) The expected long term rate of return on the U.S. and non-U.S. plan assets is estimated based on the plans' investment strategy and asset allocation, historical capital market performance and, to a lesser extent, historical plan performance. For the U.S. plans, the expected rate of return of 7.00% was derived based on the target asset allocation of 50%-70% equity securities (approximately 8.40% expected return), 20%-50% fixed income securities (approximately 4.80% expected return) and 2%-8% alternative investments (approximately 3.40% expected return). For the non-U.S. plans, the expected rate of return was derived based on the weighted average target asset allocation of 15%-25% equity securities (approximately 7.20% expected return), 30%-50% fixed income securities (approximately 5.90% expected return), and 30%-50% alternative investments (approximately 5.80% expected return). For the U.S. plan assets, the actual annualized total return for the most recent 10-year period ended December 31, 2023 was approximately 6.60%. For the non-U.S. plan assets, the actual annualized total return for the same period was approximately 4.90%. Changes to plan asset allocations and investment strategy over this time period limit the value of historical plan performance as a factor in estimating the expected long term rate of return. For 2024, the expected long-term rate of return on plan assets will be 7.00% for the U.S. plans and 5.83% for non-U.S. plans.

Pension Plan Assets

The investments of the U.S. pension plan are managed to meet the future expected benefit liabilities of the plan over the long term by investing in diversified portfolios consistent with prudent diversification and historical and expected capital market returns. Investment strategies are reviewed by management and investment performance is tracked against appropriate benchmarks. There are no concentrations of risk as it relates to the assets within the plans. The non-U.S. pension plans are managed individually based on diversified investment portfolios, with different target asset allocations that vary for each plan. Weighted-average asset allocations at December 31, 2023 and 2022 for Linde's U.S. and non-U.S. pension plans, as well as respective asset allocation ranges by major asset category, are generally as follows:



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Asset Category	U.S.				Non-U.S.			
	Target 2023	Target 2022	2023	2022	Target 2023	Target 2022	2023	2022
Equity securities	50% - 70%	50% - 70%	59%	60%	15% - 25%	15% - 25%	22%	20%
Fixed income securities	20% - 50%	20% - 50%	31%	29%	30% - 50%	30% - 50%	30%	30%
Other	2% - 8%	2% - 8%	10%	11%	30% - 50%	30% - 50%	48%	50%

The following table summarizes pension assets measured at fair value by asset category at December 31, 2023 and 2022. Transfers of assets were not material for the year ended December 31, 2023 and 2022. See Note 13 for the definition of levels within the fair value hierarchy:

(Millions of dollars)	Fair Value Measurements Using						Total	
	Level 1		Level 2		Level 3 **		2023	2022
	2023	2022	2023	2022	2023	2022		
Cash and cash equivalents	\$ 368	\$ 313	\$ —	\$ —	\$ —	\$ —	\$ 368	\$ 313
Equity securities:								
Global equities	926	778	—	—	—	—	926	778
Mutual funds	298	248	—	—	—	—	298	248
Fixed income securities:								
Government bonds	—	—	1,486	1,317	—	—	1,486	1,317
Emerging market debt	—	—	283	245	—	—	283	245
Mutual funds	119	101	60	55	—	—	179	156
Corporate bonds	—	—	324	372	—	—	324	372
Bank loans	—	—	27	18	—	—	27	18
Alternative investments:								
Real estate funds	—	—	—	—	324	353	324	353
Private debt	—	—	—	—	1,345	1,360	1,345	1,360
Insurance contracts	—	—	—	—	51	46	51	46
Liquid alternative	—	—	1,022	982	—	—	1,022	982
Other investments	1	1	22	39	—	—	23	40
Total plan assets at fair value, December 31,	\$ 1,712	\$ 1,441	\$ 3,224	\$ 3,028	\$ 1,720	\$ 1,759	\$ 6,656	\$ 6,228
Pooled funds *							1,572	1,457
Total fair value plan assets December 31,							\$ 8,228	\$ 7,685

* Pooled funds are measured using the net asset value ("NAV") as a practical expedient for fair value as permissible under the accounting standard for fair value measurements and have not been categorized in the fair value hierarchy.

** The following table summarizes changes in fair value of the pension plan assets classified as level 3 for the periods ended December 31, 2023 and 2022:



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<i>(Millions of dollars)</i>	Insurance Contracts	Real Estate Funds	Private Debt	Total
Balance, December 31, 2021	\$ 12	\$ 360	\$ 1,368	\$ 1,740
Gain/(Loss) for the period	—	5	93	98
Purchases	2	18	63	83
Sales	—	(22)	(34)	(56)
Transfer into/ (out of) Level 3	33	—	—	33
Foreign currency translation	(1)	(8)	(130)	(139)
Balance, December 31, 2022	<u>46</u>	<u>353</u>	<u>1,360</u>	<u>1,759</u>
Gain/(Loss) for the period	—	(27)	(38)	(65)
Purchases	1	3	1	5
Sales	—	(15)	(44)	(59)
Transfer into / (out of) Level 3	—	—	—	—
Foreign currency translation	4	10	66	80
Balance, December 31, 2023	<u>\$ 51</u>	<u>\$ 324</u>	<u>\$ 1,345</u>	<u>\$ 1,720</u>

The descriptions and fair value methodologies for the company's pension plan assets are as follows:

Cash and Cash Equivalents – This category includes cash and short-term interest bearing investments with maturities of three months or less. Investments are valued at cost plus accrued interest. Cash and cash equivalents are classified within level 1 of the valuation hierarchy.

Equity Securities – This category is comprised of shares of common stock in U.S. and non-U.S. companies from a diverse set of industries and size. Common stock is valued at the closing market price reported on a U.S. or non-U.S. exchange where the security is actively traded. Equity securities are classified within level 1 of the valuation hierarchy.

Mutual Funds – These categories consist of publicly and privately managed funds that invest primarily in marketable equity and fixed income securities. The fair value of these investments is determined by reference to the net asset value of the underlying securities of the fund. Shares of publicly traded mutual funds are valued at the net asset value quoted on the exchange where the fund is traded and are primarily classified as level 1 within the valuation hierarchy.

Emerging Market Debt - This category includes fixed income debt issued by countries with developing economies as well as by corporations within those nations. They typically have higher yields but lower credit ratings relative to developed country corporate and government bonds. The fair values for these investments are classified as level 2 within the valuation hierarchy.

U.S. and Non-U.S. Government Bonds – This category includes U.S. treasuries, U.S. federal agency obligations and non-U.S. government debt. The majority of these investments do not have quoted market prices available for a specific government security and so the fair value is determined using quoted prices of similar securities in active markets and is classified as level 2 within the valuation hierarchy.

Corporate Bonds – This category is comprised of corporate bonds of U.S. and non-U.S. companies from a diverse set of industries and size. The fair values for U.S. and non-U.S. corporate bonds are determined using quoted prices of similar securities in active markets and observable data or broker or dealer quotations. The fair values for these investments are classified as level 2 within the valuation hierarchy.

Pooled Funds - Pooled fund NAVs are provided by the trustee and are determined by reference to the fair value of the underlying securities of the trust, less its liabilities, which are valued primarily through the use of directly or indirectly observable inputs. Depending on the pooled fund, underlying securities may include marketable equity securities or fixed income securities.

Bank Loans - This category is comprised of traded syndicated loans of larger corporate borrowers. Such loans are issued by sub-investment grade rated companies both in the U.S. and internationally and are syndicated by investment banks to institutional investors. They are regularly traded in an active dealer market comprised of large investment banks, which supply bid and offer quotes and are therefore classified within level 2 of the valuation hierarchy.

Liquid Alternative Investments - This category is comprised of investments in alternative mutual funds whose holdings include liquid securities, cash, and derivatives. Such funds focus on diversification and employ a variety of investing strategies including long/short equity, multi-strategy, and global macro. The fair value of these investments is determined by reference to the net asset value of the underlying holdings of the fund, which can be determined using



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observable data (e.g., indices, yield curves, quoted prices of similar securities), and is classified within level 2 of the valuation hierarchy.

Insurance Contracts – This category is comprised of purchased annuity insurance contracts (annuity contract buy-ins) and is intended to mitigate the Company's exposure to certain risks, such as longevity risk. The fair value is calculated based on the cash surrender value of the purchased annuity insurance contract, which is determined based on such factors as the fair value of the underlying assets and discounted cash flows. These contracts are with highly rated insurance companies. Insurance contracts are classified within level 3 of the valuation hierarchy.

Real Estate Funds – This category includes real estate properties, partnership equities and investments in operating companies. The fair value of the assets is determined using discounted cash flows by estimating an income stream for the property plus a reversion into a present value at a risk adjusted rate. Yield rates and growth assumptions utilized are derived from market transactions as well as other financial and industry data. The fair value for these investments are classified within level 3 of the valuation hierarchy.

Private Debt - This category includes non-traded, privately-arranged loans between one or a small group of private debt investment managers and corporate borrowers, which are typically too small to access the syndicated market and have no credit rating. This category also includes similar loans to real estate companies or individual properties. Loans included in this category are valued at par value, are held to maturity or to call, and are classified within level 3 of the valuation hierarchy.

Contributions

At a minimum, Linde contributes to its pension plans to comply with local regulatory requirements (e.g., ERISA in the United States). Discretionary contributions in excess of the local minimum requirements are made based on many factors, including long-term projections of the plans' funded status, the economic environment, potential risk of overfunding, pension insurance costs and alternative uses of the cash. Changes to these factors can impact the timing of discretionary contributions from year to year. Pension contributions were \$46 million in 2023, \$51 million in 2022 and \$42 million in 2021. Estimated required contributions for 2024 are currently expected to be in the range of \$35 million to \$45 million.

Estimated Future Benefit Payments

The following table presents estimated future benefit payments, net of participant contributions:

<i>(Millions of dollars)</i> Year Ended December 31,	Pensions	
	U.S.	Non-U.S.
2024	\$ 203	\$ 355
2025	166	341
2026	163	353
2027	166	359
2028	165	373
2029-2033	824	1,974



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NOTE 17. COMMITMENTS AND CONTINGENCIES

The company accrues non income-tax liabilities for contingencies when management believes that a loss is probable and the amounts can be reasonably estimated, while contingent gains are recognized only when realized. In the event any losses are sustained in excess of accruals, they will be charged against income at that time. Attorney fees are recorded as incurred. Commitments represent obligations, such as those for future purchases of goods or services, that are not yet recorded on the company's balance sheet as liabilities. The company records liabilities for commitments when incurred (i.e., when the goods or services are received).

Contingent Liabilities

Linde is subject to various lawsuits and government investigations that arise from time to time in the ordinary course of business. These actions are based upon alleged environmental, tax, antitrust and personal injury claims, among others. Linde has strong defenses in these cases and intends to defend itself vigorously. It is possible that the company may incur losses in connection with some of these actions in excess of accrued liabilities. Management does not anticipate that in the aggregate such losses would have a material adverse effect on the company's consolidated financial position or liquidity; however, it is possible that the final outcomes could have a significant impact on the company's reported results of operations in any given period.

Significant matters are:

- During 2009, the Brazilian government published Law 11941/2009 instituting a new voluntary amnesty program ("Refis Program") which allowed Brazilian companies to settle certain federal tax disputes at reduced amounts. During 2009, the company decided that it was economically beneficial to settle many of its outstanding federal tax disputes and such disputes were enrolled in the Refis Program, subject to final calculation and review by the Brazilian federal government. The company recorded estimated liabilities based on the terms of the Refis Program. Since 2009, Linde has been unable to reach final agreement on the calculations and initiated litigation against the government in an attempt to resolve certain items. Open issues relate to the following matters: (i) application of cash deposits and net operating loss carryforwards to satisfy obligations and (ii) the amount of tax reductions available under the Refis Program. It is difficult to estimate the timing of resolution of legal matters in Brazil.
- At December 31, 2023, the most significant non-income tax claims in Brazil, after enrollment in the Refis Program, relate to state VAT tax matters. The total estimated exposure relating to such claims, including interest and penalties, as appropriate, is approximately \$115 million. Linde has not recorded any liabilities related to such claims based on management judgment and opinions of outside counsel.

During the first quarter of 2023, the Brazilian Supreme Court issued a decision confirming the constitutionality of a specific federal income tax, with retroactive effect. As a result of this decision, the company recorded a reserve based on its best estimate of potential settlement (see Note 3). This decision has not yet been finalized and is subject to ongoing motions for clarification. Because litigation in Brazil historically takes many years to resolve, it is very difficult to estimate the timing of resolution of these matters; however, it is possible that certain of these matters may be resolved within the near term. The company is vigorously defending against the proceedings.

- On September 1, 2010, CADE (Brazilian Administrative Council for Economic Defense) announced alleged anticompetitive activity on the part of five industrial gas companies in Brazil and imposed fines. CADE imposed a civil fine of R\$1.7 billion Brazilian reais (\$350 million) on White Martins, the Brazil-based subsidiary of Linde Inc., and R\$0.2 billion Brazilian reais (\$41 million) on Linde Gases Ltda., the former Brazil-based subsidiary of Linde AG, which was divested to MG Industries GmbH on March 1, 2019 and with respect to which Linde provided a contractual indemnity.

The fine against White Martins and Linde Gases Ltda. was overturned by the Ninth and Seventh Federal Courts of Brasilia, respectively. CADE appealed these decisions, and the Federal Court of Appeals rejected CADE's appeals and confirmed the decision of the Ninth and Seventh Federal Courts of Brasilia. CADE had filed appeals for both subsidiaries with the Superior Court of Justice which were denied. CADE filed subsequent appeals to a panel of the Supreme Court of Justice and final and binding decisions were issued by the Supreme Court of Justice annulling the fine imposed against Linde Gases Ltda and White Martins in September 2023 and January 2024, respectively.

On and after April 23, 2019 former shareholders of Linde AG filed appraisal proceedings at the District Court (*Landgericht*) Munich I (Germany), seeking an increase of the cash consideration paid in connection with the previously completed cash merger squeeze-out of all of Linde AG's minority shareholders for €189.46 per share. Any such increase would apply to all 14,763,113 Linde AG shares that were outstanding on April 8, 2019, when



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the cash merger squeeze-out was completed. The period for plaintiffs to file claims expired on July 9, 2019. In November 2023, the court issued a decision rejecting the plaintiffs' claims in their entirety and determining that the cash merger squeeze-out consideration was appropriate. The plaintiffs are entitled to appeal this decision.

The company believes the consideration paid was fair and that the claims are not supported by sufficient evidence, and no reserve has been established. We cannot estimate the timing of resolution.

On December 30, 2022, the Russian Arbitration Court of the St. Petersburg and Leningrad Region ("St. Petersburg Court") issued an injunction preventing (i) the sale of any shares in Linde's subsidiaries and joint ventures in Russia, and (ii) the disposal of any of the assets in those entities exceeding 5% of the relevant company's overall asset value. The injunction was requested by RusChemAlliance (RCA) as a preliminary measure to secure payment of a possible eventual award under an arbitration proceeding RCA intended to file against Linde Engineering for alleged breach of contract under the agreement to build a gas processing plant in Ust Luga, Russia entered into between a consortium of Linde Engineering, Renaissance Heavy Industries LLC, and RCA on July 7, 2021. Performance of the agreement was lawfully suspended by Linde Engineering on May 27, 2022 in compliance with applicable sanctions and in accordance with a decision by the sanctions authority in Germany. On March 1, 2023, RCA filed a claim in St. Petersburg against Linde GmbH for recovery of advance payments under the agreement ("Russian Claim"), and subsequently (i) added Linde and other Linde subsidiaries as defendants, and (ii) is seeking payment of alleged damages from Linde (pursuant to corporate guarantees) and guarantor banks.

On March 4, 2023, in accordance with the dispute resolution provisions of the agreement, Linde GmbH filed a notice of arbitration with the Hong Kong International Arbitration Centre ("HKIAC") against RCA to claim that (i) RCA has no entitlement to payment, (ii) RCA's Russian claim is in breach of the arbitration agreement which requires HKIAC arbitration, and (iii) RCA must compensate Linde for the losses and damages caused by the injunction. Additionally, Linde GmbH filed for and on March 17, 2023 obtained an anti-suit injunction from a Hong Kong court against RCA directing RCA to seek a stay of the Russian Claim and ordering it to resolve any disputes in accordance with HKIAC arbitration. On September 27, 2023, the anti-suit injunction was confirmed by the same Hong Kong court. On January 4, 2024, the Hong Kong court issued a final judgment in Linde's favor (i) granting a permanent anti-suit injunction against RCA, (ii) granting a permanent, global anti-enforcement injunction against RCA, and (iii) ordering that the injunction issued by the St. Petersburg Court be lifted.

As of December 31, 2023, Linde has a contingent liability of \$1.1 billion recorded in Other long-term liabilities, which represents advance payments previously recorded in contract liabilities as of December 31, 2022 related to terminated engineering projects with RCA. As a result of the contract terminations, Linde no longer has future performance obligations for these projects. Linde deconsolidated its Russian gas and engineering business entities as of June 30, 2022, and the remaining investment value of its Russia subsidiaries is immaterial.

Despite the January 4, 2024 decision of the Hong Kong court, the injunction affecting Linde's shares and assets has not been lifted, the proceeding in St. Petersburg has not been stayed and RCA is continuing to pursue its claim in Russia. On February 20, 2024, the St. Petersburg Court issued its decision and granted the Russian Claim in RCA's favor. Linde has 30 days to appeal this decision and expects to do so prior to the expiration of that deadline. If Linde appeals, RCA cannot enforce the decision (including foreclosing on the shares of the Russian entities) until after the appeal is decided.

Linde does not expect an adverse impact on earnings from this decision given the contingent liability recorded as of December 31, 2023 and the immaterial remaining investment value of its deconsolidated Russia subsidiaries.

It is difficult to estimate the timing of resolution of this matter. The company intends to vigorously defend its interests in both the Russian Claim and arbitration proceedings.

Commitments

At December 31, 2023, Linde had undrawn outstanding letters of credit, bank guarantees and surety bonds valued at approximately \$3,344 million from financial institutions. These relate primarily to customer contract performance guarantees (including plant construction in connection with certain on-site contracts), self-insurance claims and other commercial and governmental requirements, including non-U.S. litigation matters.

Other commitments related to leases, tax liabilities for uncertain tax positions, long-term debt, other post retirement and pension obligations are summarized elsewhere in the financial statements (see Notes 4, 5, 11, and 16).



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NOTE 18. SEGMENT INFORMATION

Linde's operations consist of two major product lines: industrial gases and engineering. As further described in the following paragraph, Linde's industrial gases operations are managed on a geographic basis, which represent three of the company's reportable segments - Americas, EMEA (Europe/Middle East/Africa), and APAC (Asia/South Pacific); a fourth reportable segment, which represents the company's Engineering business, designs and manufactures equipment for air separation and other industrial gas applications specifically for end customers and is managed on a worldwide basis operating in all three geographic segments. Other consists of corporate costs and a few smaller businesses which individually do not meet the quantitative thresholds for separate presentation.

The industrial gases product line centers on the manufacturing and distribution of atmospheric gases (oxygen, nitrogen, argon, rare gases) and process gases (carbon dioxide, helium, hydrogen, electronic gases, specialty gases, acetylene). Many of these products are co-products of the same manufacturing process. Linde manufactures and distributes nearly all of its products and manages its customer relationships on a regional basis. Linde's industrial gases are distributed to various end-markets within a regional segment through one of three basic distribution methods: on-site or tonnage; merchant or bulk; and packaged or cylinder gases. The distribution methods are generally integrated in order to best meet the customer's needs and very few of its products can be economically transported outside of a region. Therefore, the distribution economics are specific to the various geographies in which the company operates and are consistent with how management assesses performance.

The company's measure of profit/loss for segment reporting is segment operating profit. Segment operating profit is defined as operating profit excluding purchase accounting impacts of the Linde AG merger, intercompany royalties, and items not indicative of ongoing business trends. This is the manner in which the company's CODM assesses performance and allocates resources. Similarly, total assets have not been included as this is not provided to the CODM for their assessment.

The table below presents information about reportable segments for the years ended December 31, 2023, 2022 and 2021.

(Millions of dollars)

	2023	2022	2021
Sales (a)			
Americas	\$ 14,304	\$ 13,874	\$ 12,103
EMEA	8,542	8,443	7,643
APAC	6,559	6,480	6,133
Engineering	2,160	2,762	2,867
Other	1,289	1,805	2,047
Total Sales	\$ 32,854	\$ 33,364	\$ 30,793
	2023	2022	2021
Segment Operating Profit			
Americas	\$ 4,244	\$ 3,732	\$ 3,368
EMEA	2,486	2,013	1,889
APAC	1,806	1,670	1,502
Engineering	491	555	473
Other	43	(66)	(56)
Reported Segment operating profit	9,070	7,904	7,176
Other charges (Note 3)	(40)	(1,029)	(273)
Purchase accounting impacts - Linde AG	(1,006)	(1,506)	(1,919)
Total operating profit	\$ 8,024	\$ 5,369	\$ 4,984



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	2023	2022	2021
Depreciation and Amortization			
Americas	\$ 1,423	\$ 1,320	\$ 1,243
EMEA	640	661	752
APAC	633	593	611
Engineering	33	33	39
Other	96	116	127
Segment depreciation and amortization	2,825	2,723	2,772
Purchase accounting impacts - Linde AG	991	1,481	1,863
Total depreciation and amortization	<u>\$ 3,816</u>	<u>\$ 4,204</u>	<u>\$ 4,635</u>

	2023	2022	2021
Capital Expenditures and Acquisitions			
Americas	\$ 2,999	\$ 1,698	\$ 1,354
EMEA	635	550	669
APAC	975	889	995
Engineering	24	28	25
Other	107	118	131
Total Capital Expenditures and Acquisitions	<u>\$ 4,740</u>	<u>\$ 3,283</u>	<u>\$ 3,174</u>

	2023	2022	2021
Sales by Major Country			
United States	\$ 10,566	\$ 10,553	\$ 9,123
Germany (c)	2,827	3,662	3,601
China	2,585	2,643	2,562
United Kingdom	1,507	1,954	2,060
Australia	1,303	1,372	1,307
Brazil	1,302	1,158	1,065
Other – non-U.S.	12,764	12,022	11,075
Total sales	<u>\$ 32,854</u>	<u>\$ 33,364</u>	<u>\$ 30,793</u>

	2023	2022	2021
Long-lived Assets by Major Country (b)			
United States	\$ 8,490	\$ 7,663	\$ 7,659
Germany	1,584	1,678	2,003
China	2,063	2,176	2,385
United Kingdom	684	704	1,078
Australia	654	688	872
Brazil	836	720	705
Other – non-U.S.	10,241	9,919	11,301
Total long-lived assets	<u>\$ 24,552</u>	<u>\$ 23,548</u>	<u>\$ 26,003</u>

(a) Sales reflect external sales only. Intersegment sales, primarily from Engineering to the industrial gases segments, were \$1,479 million, \$1,035 million and \$896 million for the year ended December 31, 2023, 2022 and 2021, respectively.

(b) Long-lived assets include property, plant and equipment - net.



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- (c) Sales in Germany include Engineering sales to third parties, locally and internationally, which represent 35%, 44% and 53% of Germany sales in 2023, 2022 and 2021, respectively.



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19. REVENUE RECOGNITION

Revenue is accounted for in accordance with ASC 606. Revenue is recognized as control of goods or services are transferred to customers in an amount that reflects the consideration to which an entity expects to be entitled to receive in exchange for the goods or services.

Contracts with Customers

Linde serves a diverse group of industries including healthcare, chemicals and energy, manufacturing, metals and mining, food and beverage, and electronics.

Industrial Gases

Within each of the company's geographic segments for industrial gases, there are three basic distribution methods: (i) on-site or tonnage; (ii) merchant or bulk liquid; and (iii) packaged or cylinder gases. The distribution method used by Linde to supply a customer is determined by many factors, including the customer's volume requirements and location. The distribution method generally determines the contract terms with the customer and, accordingly, the revenue recognition accounting practices. Linde's primary products in its industrial gases business are atmospheric gases (oxygen, nitrogen, argon, rare gases) and process gases (carbon dioxide, helium, hydrogen, electronic gases, specialty gases, acetylene). These products are generally sold through one of the three distribution methods.

Following is a description of each of the three industrial gases distribution methods and the respective revenue recognition policies:

On-site. Customers that require the largest volumes of product and that have a relatively constant demand pattern are supplied by cryogenic and process gas on-site plants. Linde constructs plants on or adjacent to these customers' sites and supplies the product directly to customers by pipeline. Where there are large concentrations of customers, a single pipeline may be connected to several plants and customers. On-site product supply contracts generally are total requirement contracts with terms typically ranging from 10-20 years and contain minimum purchase requirements and price escalation provisions. Many of the cryogenic on-site plants also produce liquid products for the merchant market. Therefore, plants are typically not dedicated to a single customer. Additionally, Linde is responsible for the design, construction, operations and maintenance of the plants and our customers typically have no involvement in these activities. Advanced air separation processes also allow on-site delivery to customers with smaller volume requirements.

The company's performance obligations related to on-site customers are satisfied over time as customers receive and obtain control of the product. Linde has elected to apply the practical expedient for measuring progress towards the completion of a performance obligation and recognizes revenue as the company has the right to invoice each customer, which generally corresponds with product delivery. Accordingly, revenue is recognized when product is delivered to the customer and the company has the right to invoice the customer in accordance with the contract terms. Consideration in these contracts is generally based on pricing which fluctuates with various price indices. Variable components of consideration exist within on-site contracts but are considered constrained.

Merchant. Merchant deliveries generally are made from Linde's plants by tanker trucks to storage containers at the customer's site. Due to the relatively high distribution cost, merchant oxygen and nitrogen generally have a relatively small distribution radius from the plants at which they are produced. Merchant argon, hydrogen and helium can be shipped much longer distances. The customer agreements used in the merchant business are usually three to seven year supply agreements based on the requirements of the customer. These contracts generally do not contain minimum purchase requirements or volume commitments.

The company's performance obligations related to merchant customers are generally satisfied at a point in time as the customers receive and obtain control of the product. Revenue is recognized when product is delivered to the customer and the company has the right to invoice the customer in accordance with the contract terms. Any variable components of consideration within merchant contracts are constrained however this consideration is not significant.

Packaged Gases. Customers requiring small volumes are supplied products in containers called cylinders, under medium to high pressure. Linde distributes merchant gases from its production plants to company-owned cylinder filling plants where cylinders are then filled for distribution to customers. Cylinders may be delivered to the customer's site or picked up by the customer at a packaging facility or retail store. Linde invoices the customer for the industrial gases and the use of the cylinder container(s). The company also sells hardgoods and welding equipment purchased from independent manufacturers. Packaged gases are generally sold under one to three-year supply contracts and purchase orders and do not contain minimum purchase requirements or volume commitments.



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The company's performance obligations related to packaged gases are satisfied at a point in time. Accordingly, revenue is recognized when product is delivered to the customer or when the customer picks up product from a packaged gas facility or retail store, and the company has the right to payment from the customer in accordance with the contract terms. Any variable consideration is constrained and will be recognized when the uncertainty related to the consideration is resolved.

Engineering

The company designs and manufactures equipment for air separation and other industrial gas applications manufactured specifically for end customers. Sale of equipment contracts are generally comprised of a single performance obligation. Revenue from sale of equipment is generally recognized over time as Linde has an enforceable right to payment for performance completed to date and performance does not create an asset with alternative use. For contracts recognized over time, revenue is recognized primarily using a cost incurred input method. Costs incurred to date relative to total estimated costs at completion are used to measure progress toward satisfying performance obligations. Costs incurred include material, labor, and overhead costs and represent work contributing and proportionate to the transfer of control to the customer. Changes to cost estimates and contract modifications are typically accounted for as part of the existing contract and are recognized as a cumulative adjustments for the inception-to-date effect of such change.

Contract Assets and Liabilities

Contract assets and liabilities result from differences in timing of revenue recognition and customer invoicing. Contract assets primarily relate to sale of equipment contracts for which revenue is recognized over time. The balance represents unbilled revenue which occurs when revenue recognized under the measure of progress exceeds amounts invoiced to customers. Customer invoices may be based on the passage of time, the achievement of certain contractual milestones or a combination of both criteria. Contract liabilities include advance payments or right to consideration prior to performance under the contract. Contract liabilities are recognized as revenue as performance obligations are satisfied under contract terms. Linde has contract assets of \$196 million at December 31, 2023 and \$124 million at December 31, 2022. Total contract liabilities are \$2,950 million at December 31, 2023 (current of \$1,901 million and \$1,049 million within deferred credits in the consolidated balance sheets). As of December 31, 2023, Linde has \$418 million recorded in contract liabilities related to engineering projects in Russia subject to sanctions and therefore suspended and lawfully wound down. Total contract liabilities were \$3,986 million at December 31, 2022 (current contract liabilities of \$3,073 million and \$913 million within deferred credits in the consolidated balance sheets). The decrease in contract liabilities is primarily related to a reclassification of contract liabilities to a contingent liability in other long-term liabilities associated with an engineering project in Russia (see Note 17). Revenue recognized for the twelve months ended December 31, 2023 that was included in the contract liability at December 31, 2022 was \$1,017 million. Contract assets and liabilities primarily relate to the Engineering business.

Payment Terms and Other

Linde generally receives payment after performance obligations are satisfied, and customer prepayments are not typical for the industrial gases business. Payment terms vary based on the country where sales originate and local customary payment practices. Linde does not offer extended financing outside of customary payment terms. Amounts billed for sales and use taxes, value-added taxes, and certain excise and other specific transactional taxes imposed on revenue producing transactions are presented on a net basis and are not included in sales within the consolidated statement of income. Additionally, sales returns and allowances are not a normal practice in the industry and are not significant.

Disaggregated Revenue Information

As described above and in Note 18, the company manages its industrial gases business on a geographic basis, while the Engineering and Other businesses are generally managed on a global basis. Furthermore, the company believes that reporting sales by distribution method by reportable geographic segment best illustrates the nature, timing, type of customer, and contract terms for its revenues, including terms and pricing.

The following tables show sales by distribution method at the consolidated level and for each reportable segment and Other for the years ended December 31, 2023, 2022 and 2021.



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(Millions of dollars)

		Year Ended December 31, 2023						
Sales	Americas	EMEA	APAC	Engineering	Other	Total	%	
Merchant	\$ 4,370	\$ 2,773	\$ 2,242	\$ —	\$ 218	\$ 9,603	29 %	
On-Site	3,246	1,980	2,599	—	—	7,825	24 %	
Packaged Gas	6,457	3,735	1,416	—	46	11,654	35 %	
Other	231	54	302	2,160	1,025	3,772	12 %	
	\$ 14,304	\$ 8,542	\$ 6,559	\$ 2,160	\$ 1,289	\$ 32,854	100 %	

(Millions of dollars)

		Year Ended December 31, 2022						
Sales	Americas	EMEA	APAC	Engineering	Other	Total	%	
Merchant	\$ 3,786	\$ 2,509	\$ 2,220	\$ —	\$ 176	\$ 8,691	26 %	
On-Site	4,048	2,415	2,471	—	—	8,934	27 %	
Packaged Gas	5,831	3,466	1,523	—	51	10,871	33 %	
Other	209	53	266	2,762	1,578	4,868	14 %	
	\$ 13,874	\$ 8,443	\$ 6,480	\$ 2,762	\$ 1,805	\$ 33,364	100 %	

(Millions of dollars)

		Year Ended December 31, 2021						
Sales	Americas	EMEA	APAC	Engineering	Other	Total	%	
Merchant	\$ 3,279	\$ 2,227	\$ 2,181	\$ —	\$ 173	\$ 7,860	26 %	
On-Site	3,225	1,824	2,296	—	—	7,345	24 %	
Packaged Gas	5,456	3,539	1,532	—	24	10,551	34 %	
Other	143	53	124	2,867	1,850	5,037	16 %	
	\$ 12,103	\$ 7,643	\$ 6,133	\$ 2,867	\$ 2,047	\$ 30,793	100 %	

Remaining Performance Obligations

As described above, Linde's contracts with on-site customers are under long-term supply arrangements which generally require the customer to purchase their requirements from Linde and also have minimum purchase requirements. Additionally, plant sales from the Linde Engineering business are primarily contracted on a fixed price basis. The company estimates the consideration related to future minimum purchase requirements and plant sales was approximately \$48 billion (excludes Russian projects which are impacted by sanctions). This amount excludes all on-site sales above minimum purchase requirements, which can be significant depending on customer needs. In the future, actual amounts will be different due to impacts from several factors, many of which are beyond the company's control including, but not limited to, timing of newly signed, terminated and renewed contracts, inflationary price escalations, currency exchange rates, and pass-through costs related to natural gas and electricity. The actual duration of long-term supply contracts ranges up to twenty years. The company estimates that approximately half of the revenue related to minimum purchase requirements will be earned in the next five years and the remaining thereafter.

20. SUBSEQUENT EVENTS

In February 2024, Linde issued €700 million of 3.00% notes due in 2028, €850 million of 3.20% notes due in 2031 and €700 million of 3.40% notes due in 2036.



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ITEM 9. CHANGES IN AND DISAGREEMENTS WITH ACCOUNTANTS ON ACCOUNTING AND FINANCIAL DISCLOSURE

None.

ITEM 9A. CONTROLS AND PROCEDURES

Conclusion Regarding the Effectiveness of Disclosure Controls and Procedures

Based on an evaluation of the effectiveness of Linde's disclosure controls and procedures, which was made under the supervision and with the participation of management, including Linde's principal executive officer and principal financial officer, the principal executive officer and principal financial officer have each concluded that, as of December 31, 2023, such disclosure controls and procedures are effective in ensuring that information required to be disclosed by Linde in reports that it files or submits under the Exchange Act of 1934 is recorded, processed, summarized and reported within the time periods specified in the Securities and Exchange Commission's rules and forms, and accumulated and communicated to management including Linde's principal executive officer and principal financial officer, to allow timely decisions regarding required disclosure.

Management's Report on Internal Control Over Financial Reporting

Refer to Item 8 for Management's Report on Internal Control Over Financial Reporting as of December 31, 2023.

Changes in Internal Control over Financial Reporting

There were no changes in Linde's internal control over financial reporting that occurred during the quarter ended December 31, 2023 that have materially affected, or are reasonably likely to materially affect, Linde's internal control over financial reporting.

ITEM 9B. OTHER INFORMATION

None.

ITEM 9C. DISCLOSURE REGARDING FOREIGN JURISDICTIONS THAT PREVENT INSPECTIONS

None.



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PART III

ITEM 10. DIRECTORS, EXECUTIVE OFFICERS AND CORPORATE GOVERNANCE

Certain information required by this item is incorporated herein by reference to the sections captioned "Corporate Governance and Board Matters - Director Nominees" and "Corporate Governance And Board Matters - "Delinquent Section 16 (a) Reports" in Linde's Proxy Statement.

Identification of the Audit Committee

Linde has a separately-designated standing Audit Committee established in accordance with Section 3(a)(58)(A) of the Securities Exchange Act of 1934 as amended (the "Exchange Act"). The members of that audit committee are Prof. Dr. Martin H. Richenhagen (chairman), Dr. Thomas Enders, Dr. Victoria Ossadnik and Alberto Weisser and each member is independent within the meaning of the independence standards adopted by the Board of Directors and those of the Nasdaq.

Audit Committee Financial Expert

The Linde Board of Directors has determined that Alberto Weisser satisfy the criteria adopted by the SEC to serve as an "audit committee financial expert" as defined by Item 407(d)(5)(ii) of Regulation S-K of the Exchange Act and is independent within the meaning of the independence standards adopted by the Board of Directors and those of the Nasdaq.

Code of Ethics

Linde has adopted a code of ethics that applies to the company's directors and all employees, including its Chief Executive Officer, Chief Financial Officer, and Chief Accounting Officer. This code of ethics, including specific standards for implementing certain provisions of the code, has been approved by the Linde Board of Directors and is named the "Code of Business Integrity". This document is posted on the company's public website, www.linde.com but is not incorporated herein.

ITEM 11. EXECUTIVE COMPENSATION

Information required by this item is incorporated herein by reference to the sections captioned "Executive Compensation Matters" and "Corporate Governance and Board Matters - Director Compensation" in Linde's Proxy Statement.



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ITEM 12. SECURITY OWNERSHIP OF CERTAIN BENEFICIAL OWNERS AND MANAGEMENT AND RELATED STOCKHOLDER MATTERS

Equity Compensation Plans Information - The table below provides information as of December 31, 2023 about company shares that may be issued upon the exercise of options, warrants and rights granted to employees or members of Linde's Board of Directors under equity compensation plans with awards outstanding as of December 31, 2023.

EQUITY COMPENSATION PLANS TABLE

Plan Category	Number of securities to be issued upon exercise of outstanding options, warrants and rights (a)	Weighted-average exercise price of outstanding options, warrants and rights (b)	Number of securities remaining available for future issuance under equity compensation plans (excluding securities reflected in column (a)) (c)
Equity compensation plans approved by shareholders	7,034,362 (1)	\$ 180.58	7,661,431 (2)
Equity compensation plans not approved by shareholders	—	—	—
Total	<u>7,034,362</u>	<u>\$ 180.58</u>	<u>7,661,431</u>

(1) This amount includes 637,600 restricted shares and 571,628 performance shares.

(2) This amount reflects shares available for future issuances pursuant to the 2021 Linde plc Long Term Incentive Plan that was approved by shareholders on July 26, 2021.

Certain information required by this item regarding the beneficial ownership of the company's ordinary shares is incorporated herein by reference to the section captioned "Information on Share Ownership" in Linde's Proxy Statement.

ITEM 13. CERTAIN RELATIONSHIPS AND RELATED TRANSACTIONS AND DIRECTOR INDEPENDENCE

Information required by this item is incorporated herein by reference to the sections captioned "Corporate Governance And Board Matters – Review, Approval or Ratification of Transactions with Related Persons," "Corporate Governance And Board Matters – Certain Relationships and Transactions," and "Corporate Governance And Board Matters – Director Independence" in Linde's Proxy Statement.

ITEM 14. PRINCIPAL ACCOUNTING FEES AND SERVICES

Information required by this item is incorporated herein by reference to the section captioned "Audit Matters" in Linde's Proxy Statement.



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PART IV

ITEM 15. EXHIBITS, FINANCIAL STATEMENT SCHEDULES

(a) The following documents are filed as part of this report:

- (i) The company's 2023 Consolidated Financial Statements and the Report of the Independent Registered Public Accounting Firm are included in Part II, Item 8. Financial Statements and Supplementary Data.
- (ii) Financial Statement Schedules – All financial statement schedules have been omitted because they are not applicable or the required information is shown in the financial statements or notes thereto.
- (iii) Exhibits – The exhibits filed as part of this Annual Report on Form 10-K are listed in the accompanying index.



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INDEX TO EXHIBITS

Linde plc and Subsidiaries

<u>Exhibit No.</u>	<u>Description</u>
2.1	<u>Business Combination Agreement by and among Linde Aktiengesellschaft, Praxair, Inc., Zamalight PLC, Zamalight Holdco LLC and Zamalight Subco, Inc. dated as of June 1, 2017 (Filed as Exhibit 2.1 to Praxair, Inc.'s Current Report on Form 8-K dated June 1, 2017, Filing No. 1-11037, and is incorporated herein by reference).</u>
2.1a	<u>Amendment No. 1, dated August 10, 2017, to the Business Combination Agreement, by and among Praxair, Inc., Linde Aktiengesellschaft, Linde plc, Zamalight Holdco LLC and Zamalight Subco, Inc. (Filed as Exhibit 2.1 to Praxair, Inc.'s Current Report on Form 8-K dated August 10, 2017, Filing No. 1-11037, and is incorporated hereby by reference).</u>
**2.2	<u>Sale and Purchase Agreement, dated July 5, 2018, by and among Praxair, Inc., Taiyo Nippon Sanso Corporation ("Taiyo"), and Linde plc with respect to the sale of a majority of Praxair's businesses in Europe to Taiyo in connection with the Business Combination Agreement (Filed as Exhibit 2.1 to the Company's Quarterly Report on Form 10-Q for the quarter ended September 30, 2018, File No. 1-38730, and is incorporated hereby by reference).</u>
**2.3	<u>Sale and Purchase Agreement, dated July 16, 2018, by and among Linde AG, Praxair, Inc., MG Industries GmbH, Messer Canada Inc., MG Industries USA, Inc. (the MG entities and Messer Canada, Inc. being collectively referred to as "Messer"), and Linde plc with respect to the sale of certain assets of Linde AG in the Americas and certain assets of Praxair, Inc. to Messer in connection with the Business Combination Agreement (Filed as Exhibit 2.2 to the Company's Quarterly Report on Form 10-Q for the quarter ended September 30, 2018, File No. 1-38730, and is incorporated hereby by reference).</u>
**2.3a	<u>First Amendment dated September 21, 2018 to the Sale and Purchase Agreement, dated July 16, 2018, by and among Linde AG, Praxair, Inc., Messer, and Linde plc with respect to the sale of certain additional assets of Linde AG in the Americas to Messer in connection with the Business Combination Agreement (Filed as Exhibit 2.3 to the Company's Quarterly Report on Form 10-Q for the quarter ended September 30, 2018, File No. 1-38730, and is incorporated hereby by reference).</u>
**2.3b	<u>Second Amendment dated October 19, 2018 to the Sale and Purchase Agreement, dated July 16, 2018, as amended by the First Amendment thereto, by and among Linde AG, Praxair, Inc., Messer, and Linde plc, with respect to the sale of certain additional assets of Linde AG in the Americas to Messer in connection with the Business Combination Agreement (Filed as Exhibit 2.2 to the Company's Quarterly Report on Form 10-Q for the quarter ended September 30, 2018, File No. 1-11037, and is incorporated hereby by reference).</u>
**2.3c	<u>Third Amendment dated February 20, 2019 to the Sale and Purchase Agreement, dated July 16, 2018, as amended by the First and Second Amendment thereto, by and among Linde AG, Praxair, Inc., Messer, and Linde plc, with respect to the sale of certain additional assets of Linde AG in the Americas to Messer in connection with the Business Combination Agreement dated as of June 1, 2017, as amended, to effect a combination of the businesses of Linde AG and Praxair, Inc. (Filed as Exhibit 2.4 to the Company's Current Report on Form 8-K, filed on March 7, 2019, File No. 1-11037, and is incorporated hereby by reference).</u>
3.01	<u>Amended and Restated Public Limited Company Constitution of Linde plc (Filed as Exhibit 3.1 to the Company's Current Report on Form 8-K, filed on March 1, 2023, File No. 001-38730, and incorporated herein by reference).</u>
4.01	<u>Description of Linde plc Shares (incorporated by reference to Exhibit 4.3 to the Company's Current Report on Form 8-K (File No. 001-38730) filed on March 1, 2023).</u>
4.02	<u>Indenture, dated as of July 15, 1992, between Praxair, Inc. and U.S. Bank National Association, as the ultimate successor trustee to Bank of America, Illinois, formerly Continental Bank, National Association (Filed as Exhibit 4 to Praxair, Inc.'s Current Report on Form 8-K dated March 19, 2007, Filing No. 1-11037, and incorporated herein by reference).</u>
4.03	<u>Form of Subordinated Indenture for Praxair, Inc. (Filed as Exhibit 4.3 to Praxair, Inc.'s Form S-3, filed on May 12, 2015, File No. 333-204093, and is incorporated herein by reference).</u>
4.04	<u>Form of Indenture for Debt Securities between Linde plc, as issuer, and The Bank of New York Mellon Trust Company, N.A., as trustee (including form of debt securities and related guarantees) (Filed as Exhibit 4.2 to the Linde plc Form S-3 dated May 3, 2023, Filing No. 001-38730, and incorporated herein by reference).</u>
4.05	<u>Form of Indenture for Debt Securities between Linde Inc., as issuer, and The Bank of New York Mellon Trust Company, N.A., as trustee (including form of debt securities and related guarantees) (Filed as Exhibit 4.3 to the Linde plc Form S-3 dated May 3, 2023, Filing No. 001-38730, and incorporated herein by reference).</u>



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4.06	<u>Form of Indenture for Debt Securities between Linde Finance B.V., as issuer, and The Bank of New York Mellon Trust Company, N.A., as trustee (including form of debt securities and related guarantees) (Filed as Exhibit 4.4 to the Linde plc Form S-3 dated May 3, 2023, Filing No. 001-38730, and incorporated herein by reference).</u>
4.07	<u>Supplemental Indenture, dated as of March 1, 2023, by and among the Company, Linde Inc., Linde GmbH and U.S. Bank Trust Company, National Association (as successor in interest to U.S. Bank National Association), as trustee, to that certain indenture, dated as of July 15, 1992, by and among Linde Inc. and U.S. Bank National Association, as trustee (Filed as Exhibit 4.1 to the Company's Current Report on Form 8-K, filed on March 1, 2023, File No. 001-38730, and incorporated herein by reference).</u>
4.08	<u>Supplemental Indenture, dated as of March 1, 2023, by and among the Company, Linde Inc., Linde GmbH and U.S. Bank Trust Company, National Association (as successor in interest to U.S. Bank National Association), as trustee, to that certain indenture, dated as of August 10, 2020, by and among Linde Inc., the Predecessor and U.S. Bank National Association, as trustee (Filed as Exhibit 4.2 to the Company's Current Report on Form 8-K, filed on March 1, 2023, File No. 001-38730, and incorporated herein by reference).</u>
4.09	<u>Supplemental Indenture, dated as of September 3, 2019, among Linde plc, Praxair, Inc., Linde AG and U.S. Bank National Association, as trustee (Filed as Exhibit 4.2 to the Linde plc Form 8-K dated September 6, 2019, Filing No. 1-38730, and incorporated herein by reference).</u>
4.10	<u>Guarantee and Negative Pledge of Linde plc dated May 11, 2020 (Filed as Exhibit 4.3 to the Linde plc Form 8-K dated May 26, 2020, Filing No. 1-38730, and is incorporated herein by reference).</u>
4.11	<u>Upstream Guarantee to Linde plc provided by Linde GmbH dated May 11, 2020 (filed as Exhibit 4.4 to Linde plc's Current Report on Form 8-K dated May 26, 2020, Filing No. 001-38730, and is incorporated hereby by reference).</u>
4.12	<u>Upstream Guarantee to Linde plc provided by Linde Inc. dated May 11, 2020 (filed as Exhibit 4.5 to Linde plc's Current Report on Form 8-K dated May 26, 2020, Filing No. 001-38730, and is incorporated hereby by reference).</u>
4.13	<u>Amended and Restated Fiscal Agency Agreement, dated May 4, 2023, among Linde plc, as Issuer, and Deutsche Bank Aktiengesellschaft, as Fiscal Agent and Paying Agent (Filed as Exhibit 4.6 to the Linde plc Form 8-K, dated June 12, 2023, Filing No. 1-38730, and incorporated herein by reference.)</u>
4.14	<u>Fiscal Agency Agreement, dated May 11, 2020, among Linde plc, as Issuer and as Guarantor, Linde Finance B.V., as Issuer, and Deutsche Bank Aktiengesellschaft, as Fiscal Agent and Paying Agent (Filed as Exhibit 4.6 to the Linde plc Form 8-K dated May 26, 2020, Filing No. 1-38730, and incorporated herein by reference).</u>
4.15	<u>Indenture, dated as of August 10, 2020, among Praxair, Inc., Linde plc and U.S. Bank National Association, as trustee (Filed as Exhibit 4.1 to the Linde plc Form 8-K dated August 10, 2020, Filing No. 1-38730, and incorporated herein by reference).</u>
4.16	<u>Amended and Restated Fiscal Agency Agreement, dated August 3, 2021, among Linde plc, as Issuer and as Guarantor, Linde Finance B.V., as Issuer, and Deutsche Bank Aktiengesellschaft, as Fiscal Agent and Paying Agent (Filed as Exhibit 4.6 to Linde plc's current report on Form 8-K, dated September 30, 2021, Filing No. 1-38730, and incorporated herein by reference).</u>
4.17	Copies of the agreements related to long-term debt which are not required to be filed as exhibits to this Annual Report on Form 10-K will be furnished to the Securities and Exchange Commission upon request.
*10	<u>Form of Non-Employee Director Restricted Stock Unit Award Under the 2021 Linde plc Long Term Incentive Plan (Filed as Exhibit 10.0e to Linde plc's 2021 Annual Report on Form 10-K, Filing No. 1-38730, and is incorporated herein by reference).</u>
10.01	<u>Amended and Restated Five Year Credit Agreement, dated as of December 7, 2022, among Linde plc, certain of its subsidiaries parties thereto as borrowers, the lenders party thereto and Bank of America, N.A., as Administrative Agent (Filed as Exhibit 10.1 to Linde plc's current report on Form 8-K, dated December 8, 2022, Filing No. 1-38730, and incorporated herein by reference).</u>
10.02	<u>364-Day Credit Agreement, dated as of December 6, 2023, among Linde plc, the Subsidiary Borrowers, certain Subsidiary Guarantors, the lenders party thereto and Bank of America, N.A., as Administrative Agent (Filed as Exhibit 10.1 to Linde plc's current report on Form 8-K, dated December 6, 2023, Filing No. 1-38730, and incorporated herein by reference).</u>
*10.03	<u>2021 Linde plc Long Term Incentive Plan, Effective as of July 26, 2021 (Filed as Exhibit 10.01 to Linde plc's Quarterly Report on Form 10-Q for the quarter ended June 30, 2021, Filing No. 1-38730, and incorporated herein by reference).</u>
*10.03a	<u>Form of Transferable Stock Option Award Under the 2021 Linde plc Long Term Incentive Plan (Filed as Exhibit 10.01 to Linde plc's Quarterly Report on Form 10-Q for the quarter ended September 30, 2021, Filing No. 1-38730, and incorporated herein by reference).</u>



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*10.03b	<u>Form of Restricted Stock Unit Award Under the 2021 Linde plc Long Term Incentive Plan (Filed as Exhibit 10.02 to Linde plc's Quarterly Report on Form 10-Q for the quarter ended September 30, 2021, Filing No. 1-38730, and incorporated herein by reference).</u>
*10.03c	<u>Form of Performance Share Unit Award Under the 2021 Linde plc Long Term Incentive Plan with Return on Capital performance metrics (Filed as Exhibit 10.03 to Linde plc's Quarterly Report on Form 10-Q for the quarter ended September 30, 2021, Filing No. 1-38730, and incorporated herein by reference).</u>
*10.03d	<u>Form of Performance Share Unit Award Under the 2021 Linde plc Long Term Incentive Plan with Total Shareholder Return performance metrics (Filed as Exhibit 10.04 to Linde plc's Quarterly Report on Form 10-Q for the quarter ended September 30, 2021, Filing No. 1-38730, and incorporated herein by reference).</u>
*10.04	<u>Linde plc Annual Variable Compensation Plan effective January 1, 2019 (Filed as Exhibit 10.1 to the Company's Current Report on Form 8-K, filed on January 25, 2019, File No. 1-38730, and is incorporated hereby by reference).</u>
*10.05	<u>Praxair, Inc. Supplemental Retirement Income Plan A effective January 1, 2008 (Filed as Exhibit 10.05a to Praxair, Inc.'s 2008 Annual Report on Form 10-K, Filing No. 1-11037, and incorporated herein by reference).</u>
*10.05a	<u>First amendment to the Praxair, Inc. Supplemental Retirement Income Plan A effective January 1, 2010 (Filed as Exhibit 10.05b to Praxair, Inc.'s 2009 Annual Report on Form 10-K, Filing No. 1-11037, and incorporated herein by reference).</u>
*10.05b	<u>Second Amendment to Praxair, Inc. Supplemental Retirement Income Plan A effective February 28, 2017, (Filed as Exhibit 10.05c to Praxair, Inc.'s 2016 Annual Report on Form 10-K, Filing No. 1-11037, and is incorporated hereby by reference).</u>
*10.05c	<u>Third Amendment to the Praxair, Inc. Supplemental Retirement Income Plan A effective December 1, 2017 (Filed as Exhibit 10.05m to Praxair, Inc.'s 2017 Annual Report on Form 10-K, File No. 1-11037, and is incorporated herein by reference).</u>
*10.05d	<u>Praxair, Inc. Supplemental Retirement Income Plan B amended and restated effective December 31, 2007 (Filed as Exhibit 10.05b to Praxair, Inc.'s 2008 Annual Report on Form 10-K, Filing No. 1-11037, and incorporated herein by reference).</u>
*10.05e	<u>First amendment to the Praxair, Inc. Supplemental Retirement Income Plan B effective January 1, 2010 (Filed as Exhibit 10.05d to Praxair, Inc.'s 2009 Annual Report on Form 10-K, Filing No. 1-11037, and incorporated herein by reference).</u>
*10.05f	<u>Second Amendment to Praxair, Inc. Supplemental Retirement Income Plan B effective July 1, 2012 (Filed as Exhibit 10.05e to Praxair Inc.'s 2012 Annual Report on Form 10-K, Filing No. 1-11037, and incorporated herein by reference).</u>
*10.05g	<u>Third Amendment to Praxair, Inc. Supplemental Retirement Income Plan B effective February 28, 2017, (Filed as Exhibit 10.05g to Praxair, Inc.'s 2016 Annual Report on Form 10-K, Filing No. 1-11037, and is incorporated herein by reference).</u>
*10.05h	<u>Fourth Amendment to the Praxair, Inc. Supplemental Retirement Income Plan B effective December 1, 2017 (Filed as Exhibit 10.05l to Praxair, Inc.'s 2017 Annual Report on Form 10-K, File No. 1-11037, and is incorporated herein by reference).</u>
*10.06	<u>Praxair, Inc. Equalization Benefit Plan amended and restated effective December 31, 2007 (Filed as Exhibit 10.05c to Praxair, Inc.'s 2008 Annual Report on Form 10-K, Filing No. 1-11037, and incorporated herein by reference).</u>
*10.06a	<u>First amendment to the Praxair, Inc. Equalization Benefit Plan effective January 1, 2010 (Filed as Exhibit 10.05f to Praxair Inc.'s 2009 Annual Report on Form 10-K, Filing No. 1-11037, and incorporated herein by reference).</u>
*10.06b	<u>Second Amendment to the Praxair, Inc. Equalization Benefit Plan effective February 28, 2017, (Filed as Exhibit 10.05j to Praxair, Inc.'s 2016 Annual Report on Form 10-K, Filing No. 1-11037, and is incorporated herein by reference).</u>
*10.06c	<u>Third Amendment to the Praxair, Inc. Equalization Benefit Plan effective December 1, 2017 (Filed as Exhibit 10.05k to Praxair, Inc.'s 2017 Annual Report on Form 10-K, File No. 1-11037, and is incorporated herein by reference).</u>
*10.06d	<u>Linde Inc. 2018 Equalization Benefit Plan, Amended and Restated effective September 1, 2020 (Filed as Exhibit 10.5 to Linde plc's Quarterly Report on Form 10-Q for the quarter ended September 30, 2020, Filing No. 1-38730, and incorporated herein by reference).</u>
*10.06e	<u>Linde Inc. 2018 Supplemental Retirement Income Plan A, Amended and Restated effective September 1, 2020 (Filed as Exhibit 10.3 to Linde plc's Quarterly Report on Form 10-Q for the quarter ended September 30, 2020, Filing No. 1-38730, and incorporated herein by reference).</u>



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- *10.06f [Linde Inc. 2018 Supplemental Retirement Income Plan B, Amended and Restated effective September 1, 2020 \(Filed as Exhibit 10.4 to Linde plc's Quarterly Report on Form 10-Q for the quarter ended September 30, 2020, Filing No. 1-38730, and incorporated herein by reference\).](#)
- *10.07 [Praxair, Inc. Director's Fees Deferral Plan amended and restated effective January 26, 2010 \(Filed as Exhibit 10.06 to Praxair Inc.'s 2009 Annual Report on Form 10-K, Filing No. 1-11037, and incorporated herein by reference\).](#)
- *10.08 [Linde Compensation Deferral Program Amended and Restated effective September 1, 2020 \(Filed as Exhibit 10.2 to Linde plc's Quarterly Report on Form 10-Q for the quarter ended September 30, 2020, Filing No. 1-38730, and incorporated herein by reference\).](#)
- *10.09 [First Amendment to the Linde Compensation Deferral Program effective April 1, 2021. \(Filed as Exhibit 10.01 to Linde plc's Quarterly Report on Form 10-Q for the quarter ended March 31, 2021, Filing No. 1-38730 and incorporated herein by reference\).](#)
- *10.10 [Amended and Restated 2009 Praxair, Inc. Long Term Incentive Plan \(Filed as Exhibit 4.03 to Praxair, Inc.'s Form S-8, filed on October 31, 2018, File No. 333-228084, and incorporated herein by reference\).](#)
- *10.10a [First Amendment, dated as of April 25, 2017, to the Amended and Restated 2009 Praxair, Inc. Long Term Incentive Plan \(Filed as Exhibit 10.01 to Praxair, Inc.'s Quarterly Report on Form 10-Q for the quarter ended March 31, 2017, Filing No. 1-11037, and is incorporated herein by reference\).](#)
- *10.10b [Second Amendment dated September 8, 2020 to the Amended and Restated 2009 Praxair, Inc Long Term Incentive Plan \(Filed as Exhibit 10.1 to Linde plc's Quarterly Report on Form 10-Q for the quarter ended September 30, 2020, Filing No. 1-38730, and incorporated herein by reference\).](#)
- *10.10c [Form of Standard Option Award under the 2009 Praxair, Inc. Long Term Incentive Plan \(Filed as Exhibit 10.22 to Praxair, Inc.'s 2009 Annual Report on Form 10-K, Filing No. 1-11037, and incorporated herein by reference\).](#)
- *10.10d [Form of Transferable Option Award under the 2009 Praxair, Inc. Long Term Incentive Plan \(Filed as Exhibit 10.23 to Praxair, Inc.'s 2009 Annual Report on Form 10-K, Filing No. 1-11037, and incorporated herein by reference\).](#)
- *10.10e [Form of Transferable Option Award under the Amended and Restated 2009 Praxair, Inc. Long Term Incentive Plan for grants made in 2015-2017 \(Filed as Exhibit 10.26 to Praxair, Inc.'s 2014 Annual Report on Form 10-K, Filing No. 1-11037, and incorporated herein by reference\).](#)
- *10.10f [Form of Transferable Option Award under the Amended and Restated 2009 Praxair, Inc. Long Term Incentive Plan for grants made in 2018 \(Filed as Exhibit 10.26a to Praxair, Inc.'s 2017 Annual Report on Form 10-K, File No. 1-11037, and incorporated herein by reference\).](#)
- *10.10g [Form of Restricted Stock Unit Award under the Amended and Restated 2009 Praxair, Inc. Long Term Incentive Plan for grants made in 2018 \(Filed as Exhibit 10.27a to Praxair, Inc.'s 2017 Annual Report on Form 10-K, File No. 1-11037, and incorporated herein by reference\).](#)
- *10.10h [Form of Non-Employee Director Restricted Stock Unit Award under the Amended and Restated 2009 Praxair, Inc. Long Term Incentive Plan for grants made in 2019 and thereafter \(Filed as Exhibit 10.10i to Linde plc's 2019 Annual Report on Form 10-K, Filing No. 1-38730, and incorporated herein by reference\).](#)
- *10.10i [Form of Transferable Option Award under the Amended and Restated 2009 Praxair, Inc. Long Term Incentive Plan for grants beginning in 2019 \(Filed as Exhibit 10.11L to Linde plc's 2018 Annual Report on Form 10-K, Filing No. 1-38730, and incorporated herein by reference\).](#)
- *10.10j [Form of Restricted Stock Unit Award under the Amended and Restated 2009 Praxair, Inc. Long Term Incentive Plan for grants beginning in 2019 \(Filed as Exhibit 10.11M to Linde plc's 2018 Annual Report on Form 10-K, Filing No. 1-38730, and incorporated herein by reference\).](#)
- *10.10k [Form of Performance Share Unit Award under the Amended and Restated 2009 Praxair, Inc. Long Term Incentive Plan for grants beginning in 2019 with Return on Capital performance metrics \(Filed as Exhibit 10.11N to Linde plc's 2018 Annual Report on Form 10-K, Filing No. 1-38730, and incorporated herein by reference\).](#)
- *10.10l [Form of Performance Share Unit Award under the Amended and Restated 2009 Praxair, Inc. Long Term Incentive Plan for grants beginning in 2019 with Total Shareholder Return performance metrics \(Filed as Exhibit 10.11O to Linde plc's 2018 Annual Report on Form 10-K, Filing No. 1-38730, and incorporated herein by reference\).](#)
- *10.11 [Pension Agreement among Linde AG, Linde Holding GmbH and Mr. Sanjiv Lamba, dated December 20, 2019 \(Filed as Exhibit 10.13a to Linde plc's 2019 Annual Report on Form 10-K, Filing No. 1-38730, and incorporated herein by reference\).](#)



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10.12	<u>Offer Letter between Linde plc and Sanjiv Lamba dated November 12, 2021 (Filed as Exhibit 10.1 to Linde plc's current report on Form 8-K dated November 18, 2021, File No. 1-38730, and incorporated herein by reference).</u>
10.13	<u>Nondisclosure, Nonsolicitation and Noncompetition Agreement between Linde Inc. and Sanjiv Lamba dated as of November 7, 2021 (Filed as Exhibit 10.2 to Linde plc's current report on Form 8-K dated November 18, 2021, File No. 1-38730, and incorporated herein by reference).</u>
*10.14	<u>Form of Linde plc Director Indemnification Agreement (Filed as Exhibit 10.1 to the Company's Current Report on Form 8-K, filed on October 31, 2018, File No. 333-218485, and incorporated herein by reference).</u>
21.01	<u>Subsidiaries of Linde plc</u>
23.01	<u>Consent of Independent Registered Public Accounting Firm.</u>
31.01	<u>Rule 13a-14(a) Certification</u>
31.02	<u>Rule 13a-14(a) Certification</u>
32.01	<u>Section 1350 Certification (such certifications are furnished for the information of the Commission and shall not be deemed incorporated by reference into any filing under the Securities Act or the Exchange Act).</u>
32.02	<u>Section 1350 Certification (such certifications are furnished for the information of the Commission and shall not be deemed incorporated by reference into any filing under the Securities Act or the Exchange Act).</u>
97.1	<u>Linde plc Executive Clawback Policy adopted by the Board of Directors of Linde plc on October 23, 2023.</u>
101.INS	XBRL Instance Document: The XBRL Instance Document does not appear in the Interactive Data File because its XBRL tags are embedded within the Inline XBRL document.
101.SCH	XBRL Taxonomy Extension Schema
101.CAL	XBRL Taxonomy Extension Calculation Linkbase
101.LAB	XBRL Taxonomy Extension Label Linkbase
101.PRE	XBRL Taxonomy Extension Presentation Linkbase
101.DEF	XBRL Taxonomy Extension Definition Linkbase

Copies of exhibits incorporated by reference can be obtained from the SEC and are located in SEC File No. 1-11037.

* Indicates a management contract or compensatory plan or arrangement.

** Certain schedules or similar attachments have been omitted pursuant to Item 601(b)(2) of Regulation S-K. The Registrant agrees to furnish supplemental copies of any of the omitted schedules or attachments upon request by the SEC.



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ITEM 16. FORM 10-K SUMMARY

None.



SUBSIDIARIES OF LINDE PLC

Linde plc and Subsidiaries EXHIBIT 21.01

The following is a list of the Linde plc's subsidiaries as of December 31, 2023.

<u>Linde plc Subsidiaries</u>	<u>Place of Incorporation</u>
10 Riverview Drive LLC	Delaware
AB Held	Sweden
AFRICAN OXYGEN (PTY) LTD	South Africa
AFRICAN WELDING COMPANY (Pty) Ltd	South Africa
AFROX - África Oxigénio, Limitada	Angola
AFROX (LESOTHO) (PTY) LTD	Lesotho
AFROX (PROPRIETARY) LIMITED	South Africa
AFROX AFRICAN INVESTMENTS (PTY) LIMITED	South Africa
AFROX ESWATINI (PROPRIETARY) LIMITED	Eswatini
AFROX GAS & ENGINEERING SUPPLIES (BOTSWANA) (PTY) LIMITED	Botswana
AFROX INTERNATIONAL LIMITED	Mauritius
Afrox Malawi Limited	Malawi
Afrox Moçambique, Limitada	Mozambique
AFROX PROPERTIES (PTY) LIMITED	South Africa
AFROX ZAMBIA LIMITED	Zambia
Agatronic AB	Sweden
Agua y Gas de Sillunchi S.A.	Ecuador
AHP Alliance of Columbia	South Carolina
AHP Delmarva, LLP	Maryland
AHP Home Care Alliance of Gainesville	Florida
AHP Home Care Alliance of Tennessee	Tennessee
AHP Home Care Alliance of Virginia	Virginia
AHP Home Medical Equipment Partnership of Texas	Texas
AHP Knoxville Partnership	Tennessee
AHP-MHR Home Care, LLP	Nebraska
AIRCO PROPERTIES INC	Delaware
ALBOC (JERSEY) LIMITED	Jersey
ALPHA RESPIRATORY INC.	Delaware
AMALGAMATED GAS AND WELDING (PTY) LIMITED	South Africa
AMALGAMATED WELDING AND CUTTING HOLDINGS (PROPRIETARY) LIMITED	South Africa
American HomePatient Arkansas Ventures, Inc.	Delaware
American HomePatient of Kingstree, LLC	South Carolina
American HomePatient of New York, Inc.	New York
American HomePatient of Sanford, LLC	North Carolina
American HomePatient of Texas, LLC	Texas
American HomePatient of Unifour, LLC	North Carolina
American HomePatient Tennessee Ventures, Inc.	Delaware
American HomePatient Ventures, Inc.	Tennessee
AMERICAN HOMEPATIENT, INC.	Delaware
American HomePatient, Inc.	Tennessee
American HomePatient, Inc. (f/k/a AHP NV Corp.)	Nevada
Anhui JuLan Industrial Gases Co., Ltd.	China



AS Linde Gas	Estonia
ASIA UNION ELECTRONIC CHEMICALS - RENO, INC.	Nevada
AUECC Shanghai (Baoshan) Co. Ltd.	China
AUECC Shanghai (Fengxian) Co. Ltd.	China
Augusta Company Limited	Thailand
AUSCOM HOLDINGS PTY LIMITED	New South Wales
AWCE (PROPRIETARY) LIMITED	South Africa
B.V. Nederlandse Pijpleidingmaatschappij	Netherlands
Baptist Ventures - AHP Homecare Alliance of Montgomery	Alabama
Beijing Praxair Huashi Carbon Dioxide Co., Ltd.	China
Beijing Praxair, Inc.	China
Blue Ridge Home Care	North Carolina
BOC (PHILS.) HOLDINGS, INC.	Philippines
BOC (TRADING) LIMITED	Ireland
BOC AIP Limited Partnership	New South Wales
BOC Australia Pty Limited	New South Wales
BOC AUSTRALIAN FINANCE LIMITED	Jersey
BOC CHILE HOLDINGS LIMITED	United Kingdom
BOC CUSTOMER ENGINEERING PTY LTD	New South Wales
BOC de Chile S.A.	Chile
BOC DISTRIBUTION SERVICES LIMITED	United Kingdom
BOC Europe Holdings B.V.	Netherlands
BOC GASES ARUBA N.V.	Aruba
BOC GASES FINANCE LIMITED	New South Wales
BOC GASES IRELAND HOLDINGS LIMITED	Ireland
BOC Gases Ireland Limited	Ireland
BOC GASES LIMITED	United Kingdom
BOC GASES MOZAMBIQUE LIMITED	Mozambique
BOC GASES SOLOMON ISLANDS LIMITED	Solomon Islands
BOC GIST INC	Philippines
BOC GROUP PTY LIMITED	New South Wales
BOC HEALTHCARE LIMITED	United Kingdom
BOC HELEX	United Kingdom
BOC HOLDINGS	United Kingdom
BOC Intressenter AB	Sweden
BOC INVESTMENT HOLDING COMPANY (IRELAND) LIMITED	Ireland
BOC INVESTMENT HOLDINGS LIMITED	United Kingdom
BOC Investments Ireland Unlimited Company	Ireland
BOC INVESTMENTS NO.1 LIMITED	United Kingdom
BOC INVESTMENTS NO.5	United Kingdom
BOC INVESTMENTS NO.7	United Kingdom
BOC JAPAN	United Kingdom
BOC Kenya plc	Kenya
BOC KOREA HOLDINGS LIMITED	United Kingdom
BOC LIENHWA (BVI) HOLDING Co., Ltd.	British Virgin Islands
BOC LIMITED	United Kingdom
BOC Limited (Australia)	New South Wales
BOC LIMITED (New Zealand)	New Zealand
BOC NETHERLANDS HOLDINGS LIMITED	United Kingdom



BOC NEW ZEALAND HOLDINGS LIMITED	New Zealand
BOC NOMINEES LIMITED	United Kingdom
BOC Papua New Guinea Limited	Papua New Guinea
BOC PENSION SCHEME TRUSTEES LIMITED	United Kingdom
BOC PENSIONS LIMITED	United Kingdom
BOC PREFERENCE LIMITED	Jersey
BOC RETIREMENT BENEFITS SCHEME TRUSTEES LIMITED	United Kingdom
BOC RSP TRUSTEES LIMITED	United Kingdom
BOC Tanzania Limited	Tanzania, the United Republic of
BOC Uganda Limited	Uganda
BOCLH Industrial Gases (Chengdu) Co., Ltd	China
BOCLH Industrial Gases (DaLian) Co., Ltd.	China
BOCLH Industrial Gases (Shanghai) Co., Ltd.	China
BOCLH Industrial Gases (Songjiang) Co., Ltd.	China
BOCLH Industrial Gases (Suzhou) Co., Ltd.	China
BOCLH Industrial Gases (Waigaoqiao) Co., Ltd. (aka CONFEDERATE TRADING (SHANGHAI) COMPANY LIMITED)	China
BOCLH Industrial Gases (Xiamen) Co., Ltd.	China
BOGGY CREEK PTY LIMITED	New South Wales
BOTSWANA OXYGEN COMPANY (PTY) LIMITED	Botswana
BOTSWANA STEEL ENGINEERING (PTY) LIMITED	Botswana
BRITISH INDUSTRIAL GASES LIMITED	United Kingdom
BRITISH OXYGEN (HONG KONG) LIMITED	Hong Kong
Cap2U GmbH	Germany
CARING RESPONDERS LLC	Delaware
Catholic Health Home Respiratory, LLC	New York
Ceylon Oxygen Ltd.	Sri Lanka
CIGC CORPORATION	Philippines
Coastal Home Care	South Carolina
Commercium Immobilien- und Beteiligungs-GmbH	Germany
Compañía de Nitrógeno de Cantarell, S.A. de C.V.	Mexico
Comprehensive Sleep Solutions, LLC	Arizona
CONVACARE SERVICES, INC.	Indiana
COOPER CRYOSERVICE LIMITED	Ireland
CPAP SUPPLY USA LLC	Delaware
CRYO INDUSTRIAL GASES, INC.	Philippines
Cryostar Cryogenic Equipments (Hangzhou) Co. Ltd.	China
Cryostar do Brasil Equipamentos Rotativos & Criogenicos Ltda.	Brazil
CRYOSTAR LIMITED	United Kingdom
CRYOSTAR SAS	France
Cryostar Singapore Pte Ltd	Singapore
Cryostar USA LLC	Delaware
Dablioeme Participacoes Societarias Ltda.	Brazil
DAVAO OXYGEN CORPORATION	Philippines
Designated Companies, Inc.	New York
Distribuciones Invegas S.C.A.	Venezuela
DME Supply USA, LLC	Delaware
EFFECTECH LIMITED	England & Wales
EHVIL DISSENTIENTS LIMITED	United Kingdom
ELGAS AUTOGAS PTY LIMITED	New South Wales



ELGAS LIMITED	New Zealand
ELGAS LIMITED	New South Wales
ELGAS RETICULATION PTY LIMITED	New South Wales
Eurogaz-Gdynia Sp. z o.o.	Poland
EXPRESS INDUSTRIAL & WELDING SUPPLIES LIMITED	United Kingdom
Famex Comercio Atacadista de Gas Carbonico Ltda.	Brazil
FLUOROGAS LIMITED	United Kingdom
Food Service Logistics Limited	England & Wales
FOOD SERVICE LOGISTICS LLC	Delaware
Founders Healthcare L.L.C.	Arizona
FUTURE INDUSTRIAL AND WELDING SUPPLIES LTD.	United Kingdom
Fuzhou Linde Lienhwa Gases Co., Ltd	China
G.L BAKER (TRANSPORT) LIMITED	United Kingdom
GAFFNEY INDUSTRIAL & WELDING SUPPLIES LTD	United Kingdom
Gama Gases Especiais Ltda.	Brazil
GAS & GEAR LIMITED	United Kingdom
Gas & More GmbH	Germany
Gases de Ensenada S.A.	Argentina
Gases Tachira S.A. (In Liquidation)	Venezuela
GI/LINDE ALGERIE SPA	Algeria
Gist Holding B.V.	Netherlands
GNL Gemini Comercializacao e Logistica de Gas Ltda.	Brazil
GRANDPLAINS PROPERTIES, INC.	Philippines
Great Lakes Street, Inc.	Delaware
Guangdong Shaogang Linde Gas Co., Ltd.	China
HANDIGAS (BOTSWANA) (PTY) LIMITED	Botswana
HANDIGAS LIMITED	United Kingdom
HANDIGAS SWAZILAND (PTY) LIMITED	Eswatini
HEALTH CARE SOLUTIONS AT HOME INC.	Delaware
HEAT GAS (PTY) LIMITED	Botswana
HICK, HARGREAVES AND COMPANY LIMITED	United Kingdom
HKO DEVELOPMENT COMPANY LIMITED	Hong Kong
Holox Inc.	Georgia
HOME-CARE EQUIPMENT NETWORK INC.	Delaware
Homelink Home Health Care	Arkansas
Hydromotive GmbH & Co. KG	Germany
Hydromotive Verwaltungs-GmbH	Germany
IGL (PTY) LIMITED	Namibia
IGL PROPERTIES (PTY) LIMITED	Namibia
INDONESIA POWER HOLDINGS LIMITED	United Kingdom
Industria Paraguaya de Gases S.R.L.	Paraguay
Industria Venezolana de Gas INVEGAS, S.C.A.	Venezuela
INDUSTRIAL & WELDING SUPPLIES (NORTH WEST) LTD	United Kingdom
INDUSTRIAL SUPPLIES & SERVICES LIMITED	United Kingdom
INVERTONE LIMITED	England & Wales
Ipes Industria de Produtos e Equipamentos de Solda Ltda.	Brazil
ISAS TRUST	South Africa
IWS (INDUSTRIAL & WELDING SUPPLIES) LIMITED	United Kingdom
Jianyang Linde Medical Gases Company Limited	China



Kelvin Finance Company Limited	Ireland
KEY PROOF INVESTMENTS LIMITED	British Virgin Islands
KIDDO INVESTMENTS (PTY) LIMITED	Botswana
Kiinteistö Oy Karakaasu	Finland
Kiinteistö Oy Karaportti	Finland
Kosmoid Finance Unlimited Company	Ireland
KTPV (THAILAND) LIMITED	Thailand
LANSING GROUP LIMITED	United Kingdom
LEEN GATE INDUSTRIAL & WELDING SUPPLIES (SCOTLAND) LIMITED	United Kingdom
LEENGATE INDUSTRIAL & WELDING SUPPLIES (NORTH EAST) LTD	United Kingdom
LEENGATE INDUSTRIAL & WELDING SUPPLIES LTD	United Kingdom
LESOTHO OXYGEN COMPANY (PTY) LIMITED	Lesotho
Lien Hwa Industrial HK Limited	Hong Kong
LINCARE HOLDINGS INC.	Delaware
LINCARE INC.	Delaware
LINCARE LICENSING INC.	Delaware
LINCARE OF CANADA ACQUISITIONS INC.	Delaware
LINCARE OF CANADA INC.	Ontario
LINCARE PHARMACY SERVICES INC.	Delaware
LINCARE PROCUREMENT INC.	Delaware
LINCARE PULMONARY REHAB MANAGEMENT, LLC	Delaware
Lincare Pulmonary Rehab Services of Missouri, LLC	Missouri
LINCARE PULMONARY REHAB SERVICES OF OHIO, LLC	Ohio
Linde (Australia) Pty. Ltd.	New South Wales
Linde (China) Investment Co., Ltd.	China
Linde (Hefei) Industrial Gas Co., Ltd.	China
Linde (Huizhou) Industrial Gas Co., Ltd.	China
Linde (Quanzhou) Carbon Dioxide Co. Ltd.	China
Linde (Shanghai) Electronic Gas Co., Ltd.	China
Linde (Shanghai) Industrial Gas Co., Ltd.	China
Linde (Shanghai) Semiconductor Gas Co., Ltd.	China
Linde (Shanghai) Specialty Gas Co., Ltd.	China
Linde (Thailand) Public Company Limited	Thailand
Linde Advanced Material Technologies Inc.	Delaware
Linde AMT Chonan Co., Ltd.	Korea (the Republic of)
Linde AMT GmbH	Germany
Linde AMT Italy S.r.l.	Italy
Linde AMT Mercus SAS	France
Linde AMT Schluechtern GmbH	Germany
Linde AMT Singapore Pte. Ltd.	Singapore
Linde AMT St-Etienne S.A.S.	France
Linde AMT Toulouse SAS	France
LINDE AMT UK LIMITED	United Kingdom
Linde Arabian Contracting Co., Ltd.	Saudi Arabia
Linde Arooxy (Xi'an) Life Science Co., Ltd.	China
Linde Bangladesh Limited	Bangladesh
LINDE BUSINESS SOLUTIONS CENTER PHILIPPINES, INC.	Philippines
LINDE CANADA HOLDINGS LIMITED	United Kingdom
Linde Canada Inc.	Canada



Linde Carbon Dioxide (Nanjing) Gas Co., Ltd.	China
Linde Carbonic Company Ltd., Shanghai	China
LINDE CRYOGENICS LIMITED	United Kingdom
LINDE CRYOPLANTS LIMITED	United Kingdom
Linde Ecuador S.A.	Ecuador
LINDE ELECTRONICS	France
Linde Electronics & Specialty Gases (Suzhou) Co Ltd.	China
Linde Electronics B.V.	Netherlands
Linde Electronics GmbH	Austria
Linde Electronics GmbH & Co. KG	Germany
Linde Electronics Verwaltungs GmbH	Germany
LINDE ELECTRONICS, S.L.	Spain
Linde Engineering (Dalian) Co. Ltd.	China
Linde Engineering (Malaysia) Sdn. Bhd.	Malaysia
Linde Engineering APAC Co., Ltd.	China
Linde Engineering India Private Limited	India
Linde Engineering Korea Ltd.	Korea (the Republic of)
Linde Engineering Middle East LLC	United Arab Emirates
Linde Engineering North America LLC	Delaware
Linde Engineering South Africa (Pty) Ltd.	South Africa
Linde Engineering US LLC	Delaware
Linde EOX Sdn. Bhd.	Malaysia
Linde Euro Finance UK Limited	England & Wales
LINDE FINANCE	United Kingdom
Linde Finance B.V.	Netherlands
Linde Finance UK Limited	England & Wales
LINDE FRANCE	France
LINDE GAS & EQUIPMENT INC.	Delaware
Linde Gas (Anhui) Co., Ltd.	China
Linde Gas (Guangxi) Co., Ltd.	China
Linde Gas (Guangzhou) Co., Ltd.	China
Linde Gas (H.K.) Limited	Hong Kong
Linde Gas (Hainan) Co., Ltd.	China
Linde Gas (Jiangxi) Co., Ltd.	China
Linde Gas (Jiaxing) Co., Ltd.	China
Linde Gas (Jining) Co., Ltd.	China
Linde Gas (Kunshan) Co., Ltd.	China
Linde Gas (Qingdao) Co., Ltd.	China
Linde Gas (Tianjin) Co., Ltd.	China
Linde Gas (Tongling) Co., Ltd.	China
Linde Gas (Wuhan) Co., Ltd.	China
Linde Gas (Yangzhou) Co., Ltd.	China
Linde Gas (Zhengzhou) Co., Ltd.	China
Linde Gas (Zhenjiang) Co., Ltd.	China
Linde Gas a.s.	Czech Republic
Linde Gas A/S	Denmark
Linde Gas AB	Sweden
Linde Gas Algeria S.p.A.	Algeria
LINDE GAS AS	Norway



Linde Gas Asia Pte Ltd	Singapore
Linde Gas Belgium NV	Belgium
Linde Gas Benelux B.V.	Netherlands
Linde Gas Bulgaria EOOD	Bulgaria
Linde Gas Chile S.A.	Chile
Linde Gas Cryoservices B.V.	Netherlands
Linde Gas Curaçao N.V.	Curaçao
LINDE GAS DOMINICANA, S.R.L.	Dominican Republic
Linde Gas ehf.	Iceland
LINDE GAS ESPAÑA SOCIEDAD ANONIMA	Spain
Linde Gas GmbH	Austria
LINDE GAS HOLDINGS LIMITED	United Kingdom
Linde Gas Italia S.r.l.	Italy
LINDE GAS MIDDLE EAST LLC	United Arab Emirates
Linde Gas Ningbo Ltd.	China
Linde Gas Products Malaysia Sdn. Bhd.	Malaysia
Linde Gas Produktionsgesellschaft mbH & Co. KG	Germany
Linde Gas s. r. o.	Slovakia
Linde Gas SIA	Latvia
Linde Gas Singapore Pte. Ltd.	Singapore
Linde Gas Southeast (Xiamen) Ltd.	China
LINDE GAS SRBIJA Industrija gasova a.d. Bečej	Serbia
Linde Gas Therapeutics Benelux B.V.	Netherlands
Linde Gas Therapeutics GmbH	Germany
Linde Gas Tunisie S.A.	Tunisia
Linde Gas UAB	Lithuania
Linde Gas Verwaltungs GmbH	Germany
Linde Gas Vietnam Limited	Vietnam
Linde Gas Xiamen Ltd.	China
Linde Gas Zhenhai Ltd.	China
Linde Gases (Changzhou) Company Limited	China
Linde Gases (Chengdu) Co., Ltd.	China
Linde Gases (Hefei) Co., Ltd.	China
Linde Gases (Langfang) Co., Ltd.	China
Linde Gases (Meishan) Co., Ltd.	China
Linde Gases (Nanjing) Company Limited	China
Linde Gases (Shanghai) Co., Ltd.	China
Linde Gases (Suzhou) Company Limited	China
Linde Gases (Taixing) Co., Ltd.	China
Linde Gases (Xuzhou) Company Limited	China
Linde Gases (Yantai) Co., Ltd.	China
Linde Gases (Zhangzhou) Co., Ltd.	China
Linde Gases Daxie Company Limited	China
Linde Gases Moçambique, Limitada	Mozambique
Linde Gaz Anonim Şirketi	Turkey
Linde Gáz Magyarorszag Zrt.	Hungary
LINDE GAZ POLSKA Spółka z o.o.	Poland
LINDE GAZ ROMANIA S.R.L.	Romania
Linde Global IT Services s. r. o.	Slovakia



LINDE GLOBAL SERVICES PHILIPPINES, INC.	Philippines
LINDE GLOBAL SERVICES PORTUGAL, UNIPessoal LDA	Portugal
LINDE GLOBAL SERVICES ROMANIA S.R.L.	Romania
Linde Global Support Services Private Limited	India
Linde GmbH	Germany
Linde Gulf Industrial Gases LLC	Oman
Linde H2 Energy Co., Ltd.	Korea (the Republic of)
LINDE HADJIKYRIAKOS GAS LIMITED	Cyprus
Linde Healthcare AB	Sweden
Linde Healthcare España, S.L. Unipersonal	Spain
LINDE HELIUM HOLDINGS LIMITED	United Kingdom
LINDE HELIUM M E FZCO	United Arab Emirates
Linde Hellas Monoprosopi E.P.E.	Greece
Linde Hidrógeno, S.A. de C.V.	Mexico
Linde HKO Limited	Hong Kong
Linde Holding GmbH	Germany
Linde Holdings Netherlands B.V.	Netherlands
Linde Holdings Netherlands No.3 B.V.	Netherlands
Linde Holdings New Zealand Limited	New Zealand
Linde Holdings SAS	France
Linde Holdings, LLC	Delaware
LINDE HOMECARE FRANCE	France
Linde Huachang (Zhangjiagang) Gas Co. Ltd.	China
Linde HyCO Limited	Thailand
LINDE HYDROGEN FUELTECH (DALIAN) CO.,LTD.	China
Linde Hydrogen FuelTech GmbH	Austria
Linde Inc.	Delaware
LINDE INDIA LIMITED	India
LINDE INDUSTRIAL GASES (MALAYSIA) SDN. BHD.	Malaysia
Linde Industries Pvt. Ltd.	Bangladesh
Linde Inversiones S.R.L.	Peru
LINDE INVESTMENTS FINLAND OY	Finland
LINDE INVESTMENTS LLC	Delaware
LINDE INVESTMENTS No.1 LIMITED	United Kingdom
Linde Jubail Industrial Gases Factory LLC	Saudi Arabia
Linde Korea Co., Ltd.	Korea (the Republic of)
Linde Kryotechnik AG	Switzerland
Linde Lienhwa China Holding Co., Ltd.	China
Linde Lienhwa Gases (BeiJing) Co., Ltd.	China
Linde Lienhwa Gases (Chengdu) Co., Ltd.	China
Linde Lienhwa Gases (Shanghai) Co., Ltd.	China
Linde Lienhwa Gases (Wuhan) Co., Ltd.	China
Linde Lienhwa Industrial Gases (Beijing) Co., Ltd.	China
Linde Lienhwa Industrial Gases (Xianyang) Co., Ltd.	China
LINDE MALAYSIA HOLDINGS BERHAD	Malaysia
LINDE MALAYSIA SDN. BHD.	Malaysia
Linde Médica, S.L.	Spain
LINDE MEDICAL SERVICES MIDDLE EAST LLC	United Arab Emirates
LINDE MEDICALE Srl	Italy



LINDE MEDICINAL, S.L.	Spain
Linde Meishan (Nanjing) Gas Co., Ltd.	China
Linde Nanjing Chemical Industrial Park Gases Co., Ltd.	China
LINDE NORTH AMERICA HOLDINGS LIMITED	United Kingdom
LINDE O&M ISRAEL LTD	Israel
Linde Österreich Holding GmbH	Austria
LINDE PERU S.R.L.	Peru
LINDE PHILIPPINES (SOUTH), INC.	Philippines
LINDE PHILIPPINES, INC.	Philippines
LINDE PORTUGAL, LDA	Portugal
Linde Process Plants Canada Inc.	Canada
Linde Puerto Rico B.V.	Netherlands
Linde Qiangsheng Gases (Nanjing) Co., Ltd.	China
LINDE ROC SDN. BHD.	Malaysia
Linde RSS LLC	Delaware
Linde Russia UK Limited	England & Wales
LINDE SAÚDE, LDA	Portugal
Linde Schweisstechnik GmbH	Germany
Linde Services Canada Inc.	Canada
Linde Services Inc.	Texas
LINDE SOUTH AFRICA (PTY) LTD	South Africa
Linde South Asia Services Private Limited	India
LINDE SPECIAL PROJECTS LLC	Delaware
LINDE SSC S. DE R.L. DE C.V.	Mexico
Linde Sverige AB	Sweden
LINDE UK HOLDINGS LIMITED	United Kingdom
LINDE UK PRIVATE MEDICAL TRUSTEES LIMITED	United Kingdom
Linde Uruguay Limitada	Uruguay
Linde Vietnam Limited Company	Vietnam
LindeGas Holding Sweden AB	Sweden
Linde-Navoiy LLC	Uzbekistan
LINDE-NIPIGAS Engineering GmbH - in liquidation as of 01/04/2023	Germany
LINDE-SINOCHEM (QUANZHOU) GASES CO., LTD	China
Liquid Carbonic Corporation	Delaware
Liquid Carbonic del Paraguay S.A.	Paraguay
Liquido Carbonico Colombiana S.A.	Colombia
LPM, S.A. de C.V.	Mexico
LUCK STREAM Co., Ltd.	Taiwan (Province of China)
Madison Gas LLC	Delaware
Maple Respiratory I.P.S. S.A.S.	Colombia
Mastercrio Transportes Ltda.	Brazil
Maverick Healthcare Group L.L.C.	Arizona
Maverick Healthcare Holdings II, Inc.	Delaware
mdINR, LLC	Delaware
Medical Gases S. R. L.	Argentina
MEDIMATICS LLC	Delaware
MEDISHIELD	United Kingdom
MEDISPEED	United Kingdom
Michigan Industrial Gases Inc.	Michigan



MidSouth Distribution, Inc.	Texas
MIG Production Company Limited	Thailand
Miller Industrial Gases, LLC	Michigan
Miller Welding Supply Company	Michigan
MRB ACQUISITION CORP.	Florida
MTA GmbH Medizin-Technischer-Anlagenbau	Germany
Murray Hill LLC	Delaware
Naamloze Vennootschap Linde Gas Benelux	Netherlands
NAMOX Namibia (PTY) LIMITED	Namibia
Nanjing Linde Nanlian Industrial Gas Co., Ltd.	China
NASIONALE SWEISWARE (PTY) LTD	South Africa
NEW SINO GASES COMPANY LIMITED	Hong Kong
nexAir Carbonic, LLC	Mississippi
nexAir Production, LLC	Tennessee
nexAir Southeast, LLC	Delaware
nexAir, LLC	Tennessee
NICOWELD (PTY) LIMITED	South Africa
Nitropet, S.A. de C.V.	Mexico
NORLIC AB	Sweden
Northeast Pennsylvania Alliance, LLC	Pennsylvania
NoxBox Ltd	United Kingdom
NuCO2 Inc.	Delaware
NuCO2 LLC	Delaware
NuCO2 Management LLC	Delaware
NuCO2 Supply LLC	Delaware
OCAP CO2 B.V.	Netherlands
OPTIGEN, INC.	Florida
Option One Home Medical Equipment, Inc.	California
Oxigenos de Colombia Ltda.	Colombia
Oy Linde Gas Ab	Finland
P.T. Gresik Gases Indonesia	Indonesia
P.T. Gresik Power Indonesia	Indonesia
PACIFIC ENGINEERING SUPPLIES PTY LIMITED	New South Wales
PanGas AG	Switzerland
Park Infusion Care GP, LLC	Delaware
Park Infusion Care, LP	Texas
Patient Support Services, Inc.	Texas
PG Technologies Pte Ltd.	Singapore
PG Technologies, LLC	Delaware
Piedmont Medical Equipment	South Carolina
Praxair (Beijing) Semiconductor Gases Co., Ltd.	China
Praxair (China) Investment Co., Ltd.	China
Praxair (Taiwan) Co., Ltd.	Taiwan, Province of China
Praxair (Thailand) Company Limited	Thailand
Praxair Argentina S.R.L.	Argentina
Praxair Asia, Inc.	Delaware
Praxair Bahrain BSC C	Bahrain
Praxair Belgium BVBA	Belgium
Praxair Bolivia Srl	Bolivia (Plurinational State of)



Praxair Chemax Semiconductor Materials Co. Ltd.	Taiwan, Province of China
Praxair Chile Ltda.	Chile
Praxair Colonia Limitada	Uruguay
Praxair Costa Rica, S.A.	Costa Rica
Praxair do Brasil Ltda.	Brazil
Praxair Euroholding B.V.	Netherlands
Praxair Fray Bentos S.C.A.	Uruguay
Praxair Gases Industriales Ltda.	Colombia
Praxair Holding Latinoamerica SARL	Luxembourg
Praxair Holdings International, Inc.	Delaware
Praxair Huayi (Chongqing) Industrial Gases Co., Ltd.	China
Praxair Hydrogen Supply, Inc.	Delaware
Praxair India Private Limited	India
Praxair International Finance Unlimited Company	Ireland
Praxair Investments B.V.	Netherlands
Praxair Latin America Holdings LLC	Delaware
Praxair Mexico, S. de R.L. de C.V.	Mexico
Praxair Offshore Services Limited	United Kingdom
Praxair Pacific Ltd.	Mauritius
Praxair Panama S.A.	Panama
Praxair Partnership	Delaware
Praxair Plainfield, Inc.	Delaware
Praxair Puerto Rico LLC	Delaware
Praxair Republica Dominicana, SRL	Dominican Republic
Praxair S. T. Technology, Inc.	Delaware
Praxair Services (UK) Limited	England & Wales
Praxair Ship II AS	Norway
Praxair Surface Technologies Arabia for Coating LLC	Saudi Arabia
Praxair Surface Technologies K.K.	Japan
Praxair Surface Technologies Montreal L.P.	New Brunswick
Praxair Switzerland GmbH	Switzerland
Praxair Technology, Inc.	Delaware
Preferred Acquisitions Corp.	Delaware
Preferred Homecare Infusion, L.L.C.	Arizona
PREMIER MEDICAL CORPORATION	Colorado
PRIESTLEY COMPANY LIMITED	Bermuda
Private Joint Stock Company "Linde Gas Ukraine"	Ukraine
Production Praxair Canada Inc.	Canada
PS Chem Co., Ltd.	Korea (the Republic of)
PSG Co., Ltd.	Korea (the Republic of)
PT. LINDE INDONESIA	Indonesia
PULMOREHAB LLC	Delaware
RAYONG ACETYLENE LIMITED	Thailand
Raytel Cardiac Services, Inc.	Delaware
RCS MANAGEMENT CORPORATION	Delaware
RCS MANAGEMENT HOLDING COMPANY	Delaware
RDC GASES & WELDING (DRL) LIMITED	Delaware
Remote Connected Care LLC	Congo, The Democratic Republic of the
REPTILE INVESTMENT NINE (PTY) LIMITED	Delaware
	Namibia



REPTILE INVESTMENT TEN (PTY) LIMITED	Namibia
ROCK INDUSTRIAL & WELDING SUPPLIES LIMITED	United Kingdom
ROYAL SOUTHMEADOWS, INC.	Philippines
RRS (FEBRUARY 2004) LIMITED	United Kingdom
Ruppco, Inc.	Delaware
RYVAL GAS LIMITED	United Kingdom
Saudi Industrial Gas Company	Saudi Arabia
Selas-Linde GmbH	Germany
SELECT LOGISTICS AND TRANSPORT PTY LTD	New South Wales
SELOX, INC	Tennessee
SERMATEC VIETNAM COMPANY LIMITED	Vietnam
Sermatech International Canada Corp.	Delaware
Sermatech International Canada GP LLC	Delaware
SERVICIOS DE OPERACIONES DE NITRÓGENO, S.A. DE C.V.	Mexico
Shanghai Baoshan Linde Gas Co., Ltd.	China
Shanghai Jinshan Linde Gas Product Co., Ltd.	China
Shanghai Linde Yidian Gas Co., Ltd.	China
Shared Care of West Branch, LLC	Michigan
SKTY (Thailand) Limited	Thailand
Sleepcair, Inc.	Kansas
SMS HOLDINGS (DELAWARE), INC.	Delaware
SMS HOLDINGS, INC.	Delaware
Solucoes em Gases Industriais Ltda.	Brazil
SOUTH PACIFIC WELDING GROUP PTY LIMITED	New South Wales
South Park Welding Supplies, L.L.C.	Michigan
SPALDING HAULAGE LIMITED	United Kingdom
SPECIALIZED MEDICAL SERVICES, INC.	Wisconsin
Spectra Gases (Shanghai) Trading Co., LTD.	China
Spectra Gases Limited	United Kingdom
STORESHIELD LIMITED	United Kingdom
Sure/Arc Welding Supply (1977) Ltd.	Canada
Suzhou Industrial Park Linde Gas Co., Ltd.	China
Svenska Aktiebolaget Gasaccumulator	Sweden
Svets Gas Aktiebolag	Sweden
T.I.G. TRADING LIMITED	Thailand
Technical Gas S.A. (In Liquidation)	Venezuela
Thai Carbonic Company, Ltd.	Thailand
The BOC Group B.V.	Netherlands
THE BOC GROUP LIMITED	United Kingdom
THE BRITISH OXYGEN COMPANY LIMITED	United Kingdom
The National Medical Rentals, Inc.	Arkansas
TIAMONT PTY LIMITED	New South Wales
TK-Teollisuuskaasut Oy	Finland
TOO Linde Gaz Kazakhstan	Kazakhstan
TRANSHIELD	United Kingdom
UNIGAS JOINT VENTURE PARTNERSHIP	Victoria
Vision Energy Group LLC	Oklahoma
Wasserstoffkonsortium Alstom-Linde Bremervörde GbR	Germany



WELDER EQUIPMENT SERVICES LIMITED	United Kingdom
WELDING PRODUCTS HOLDINGS LIMITED	United Kingdom
Westair Cryogenics Company	Delaware
Westair Gas and Equipment, L.P.	Texas
White Martins & White Martins - Comércio e Serviços S.à.r.l.	Luxembourg
White Martins Gases Industriais do Nordeste Limitada	Brazil
White Martins Gases Industriais do Norte Limitada	Brazil
White Martins Gases Industriais Ltda.	Brazil
White Martins Participações Ltda.	Brazil
White Martins Pecem Gases Industriais Ltda.	Brazil
White Martins Steel Gases Industriais Ltda.	Brazil
WM Transporte de Gases Ltda.	Brazil
Yateem Oxygen W.L.L.	Bahrain
Zamalight Holdco LLC	Delaware



Linde plc and Subsidiaries

EXHIBIT 23.01

CONSENT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

We hereby consent to the incorporation by reference in the Registration Statements on Form S-3 (No. 333-271613) and S-8 (Nos. 333-228083, 333-228084, 333-269809) of Linde plc of our report dated February 28, 2024 relating to the financial statements and the effectiveness of internal control over financial reporting, which appears in this Form 10-K.

/s/ PricewaterhouseCoopers LLP
Stamford, Connecticut

February 28, 2024



RULE 13a-14(a)/15d-14(a) CERTIFICATIONS

Linde plc and Subsidiaries

EXHIBIT 31.01

I, Sanjiv Lamba, certify that:

1. I have reviewed this Annual Report on Form 10-K of Linde plc;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
 - (a) designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
 - (b) designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
 - (c) evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
 - (d) disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
 - (a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
 - (b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

February 28, 2024

By: /s/ Sanjiv Lamba

Sanjiv Lamba
Chief Executive Officer



RULE 13a-14(a)/15d-14(a) CERTIFICATIONS

Linde plc and Subsidiaries

EXHIBIT 31.02

I, Matthew J. White, certify that:

1. I have reviewed this Annual Report on Form 10-K of Linde plc;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
 - (a) designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
 - (b) designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
 - (c) evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
 - (d) disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
 - (a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
 - (b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

February 28, 2024

By: /s/ Matthew J. White

Matthew J. White
Chief Financial Officer



SECTION 1350 CERTIFICATION

Linde plc and Subsidiaries

EXHIBIT 32.01

Pursuant to 18 U.S.C. § 1350, the undersigned officer of Linde plc (the "Company"), hereby certifies that the Company's Annual Report on Form 10-K for the year ended December 31, 2023 (the "Report") fully complies with the requirements of Section 13(a) or 15(d), as applicable, of the Securities Exchange Act of 1934 and that the information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.

February 28, 2024

By: /s/ Sanjiv Lamba

Sanjiv Lamba

Chief Executive Officer

The foregoing certification is being furnished solely pursuant to 18 U.S.C. § 1350 and is not being filed as part of the Report or as a separate disclosure document.

A signed original of this written statement required by 18 U.S.C. § 1350 has been provided to the Company and will be retained by the Company and furnished to the Securities and Exchange Commission or its staff upon request.



SECTION 1350 CERTIFICATION

Linde plc and Subsidiaries

EXHIBIT 32.02

Pursuant to 18 U.S.C. § 1350, the undersigned officer of Linde plc (the "Company"), hereby certifies that the Company's Annual Report on Form 10-K for the year ended December 31, 2023 (the "Report") fully complies with the requirements of Section 13(a) or 15(d), as applicable, of the Securities Exchange Act of 1934 and that the information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.

February 28, 2024

By: /s/ Matthew J. White

Matthew J. White

Chief Financial Officer

The foregoing certification is being furnished solely pursuant to 18 U.S.C. § 1350 and is not being filed as part of the Report or as a separate disclosure document.

A signed original of this written statement required by 18 U.S.C. § 1350 has been provided to the Company and will be retained by the Company and furnished to the Securities and Exchange Commission or its staff upon request.



As Adopted by the Board on October 23, 2023

LINDE PLC CLAWBACK POLICY

I. BACKGROUND

Linde plc (the "Company") has adopted this policy (this "Policy") to provide for the recovery or "clawback" of certain incentive compensation in the event of a Restatement. This Policy is intended to comply with, and will be interpreted to be consistent with, the requirements of the Nasdaq Stock Market ("Nasdaq") Listing Rule 5608 (the "Listing Standard"). Certain terms used in this Policy are defined in Section VIII below.

II. STATEMENT OF POLICY

The Company shall recover reasonably promptly the amount of erroneously awarded Incentive-Based Compensation in the event that the Company is required to prepare an accounting restatement due to the material noncompliance of the Company with any financial reporting requirement under the securities laws, including any required accounting restatement to correct an error in previously issued financial statements that is material to the previously issued financial statements, or that would result in a material misstatement if the error were corrected in the current period or left uncorrected in the current period (a "Restatement").

The Company shall recover erroneously awarded Incentive-Based Compensation in compliance with this Policy except to the extent provided under Section V below.

III. SCOPE OF POLICY

A. Covered Persons and Recovery Period. This Policy applies to Incentive-Based Compensation received by a person:

- a. after beginning service as an Executive Officer,
- a. who served as an Executive Officer at any time during the performance period for that Incentive-Based Compensation,
- a. while the Company has a class of securities listed on a national securities exchange, and
- a. during the three completed fiscal years immediately preceding the date that the Company is required to prepare a Restatement (the "Recovery Period").

Notwithstanding this look-back requirement, the Company is only required to apply this Policy to Incentive-Based Compensation received on or after October 2, 2023.

For purposes of this Policy, Incentive-Based Compensation shall be deemed "received" in the Company's fiscal period during which the Financial Reporting Measure (as defined herein) specified in the Incentive-Based Compensation award is attained, even if the payment or grant of the Incentive-Based Compensation occurs after the end of that period.

B. Transition Period. In addition to the Recovery Period, this Policy applies to any transition period (that results from a change in the Company's fiscal year) within or immediately following the Recovery Period (a "Transition Period"), provided that a Transition Period between the last day of the Company's previous fiscal year end and the first day of the Company's new fiscal year that comprises a period of nine to 12 months will be deemed a completed fiscal year.

C. Determining Recovery Period. For purposes of determining the relevant Recovery Period, the date that the Company is required to prepare the Restatement is the earlier to occur of:

- a. the date the board of directors of the Company (the "Board"), a committee of the Board, or the officer or officers of the Company authorized to take such action if Board action is not required, concludes, or reasonably should have concluded, that the Company is required to prepare a Restatement, and
- a. the date a court, regulator, or other legally authorized body directs the Company to prepare a Restatement.



For clarity, the Company's obligation to recover erroneously awarded Incentive-Based Compensation under this Policy is not dependent on if or when a Restatement is filed.

IV. AMOUNT SUBJECT TO RECOVERY

A. Recoverable Amount. The amount of Incentive-Based Compensation subject to recovery under this Policy is the amount of Incentive-Based Compensation received that exceeds the amount of Incentive-Based Compensation that otherwise would have been received had it been determined based on the restated amounts, computed without regard to any taxes paid.

B. Covered Compensation Based on Stock Price or TSR. For Incentive-Based Compensation based on stock price or total shareholder return ("TSR"), where the amount of erroneously awarded Incentive-Based Compensation is not subject to mathematical recalculation directly from the information in a Restatement, the recoverable amount shall be determined by the Human Capital Committee of the Company's Board of Directors (the "Committee") based on a reasonable estimate of the effect of the Restatement on the stock price or TSR upon which the Incentive-Based Compensation was received. In such event, the Company shall maintain documentation of the determination of that reasonable estimate and provide such documentation to Nasdaq.

V. EXCEPTIONS

The Company shall recover erroneously awarded Incentive-Based Compensation in compliance with this Policy except to the extent that the conditions set out below are met and the Committee has made a determination that recovery would be impracticable:

A. Direct Expense Exceeds Recoverable Amount. The direct expense paid to a third party to assist in enforcing this Policy would exceed the amount to be recovered; provided, however, that before concluding it would be impracticable to recover any amount of erroneously awarded Incentive-Based Compensation based on expense of enforcement, the Company shall make a reasonable attempt to recover such erroneously awarded Incentive-Based Compensation, document such reasonable attempt(s) to recover, and provide that documentation to Nasdaq.

B. Violation of Home Country Law. Recovery would violate Irish law where that law was adopted prior to November 28, 2022; provided, however, that before concluding it would be impracticable to recover any amount of erroneously awarded Incentive-Based Compensation based on violation of Irish law, the Company shall obtain an opinion of Irish counsel, acceptable to Nasdaq, that recovery would result in such a violation, and shall provide such opinion to Nasdaq.

C. Recovery from Certain Tax-Qualified Retirement Plans. Recovery would likely cause an otherwise tax-qualified retirement plan, under which benefits are broadly available to employees of the Company, to fail to meet the requirements of 26 U.S.C. 401(a)(13) or 26 U.S.C. 411(a) and regulations thereunder.

VI. PROHIBITION AGAINST INDEMNIFICATION

Notwithstanding the terms of any indemnification arrangement or insurance policy with any individual covered by this Policy, the Company shall not indemnify any Executive Officer or former Executive Officer against the loss of erroneously awarded Incentive-Based Compensation, including any payment or reimbursement for the cost of insurance obtained by any such covered individual to fund amounts recoverable under this Policy.

VII. DISCLOSURE

The Company shall file all disclosures with respect to this Policy and recoveries under this Policy in accordance with the requirements of the U.S. Federal securities laws, including the disclosure required by the applicable Securities and Exchange Commission ("SEC") filings.

VIII. DEFINITIONS



Unless the context otherwise requires, the following definitions apply for purposes of this Policy:

"Executive Officer" means the Company's president, principal financial officer, principal accounting officer (or if there is no such accounting officer, the controller), any vice-president of the Company in charge of a principal business unit, division, or function (such as sales, administration, or finance), any other officer who performs a policy-making function, or any other person who performs similar policymaking functions for the Company. Executive officers of the Company's subsidiaries are deemed Executive Officers of the Company if they perform such policy making functions for the Company. Policy-making function is not intended to include policymaking functions that are not significant. Identification of an Executive Officer for purposes of this Policy will include at a minimum executive officers identified pursuant to 17 CFR 229.401(b).

"Financial Reporting Measures" means any of the following: (i) measures that are determined and presented in accordance with the accounting principles used in preparing the Company's financial statements, and any measures that are derived wholly or in part from such measures, (ii) stock price and (iii) TSR. A Financial Reporting Measure need not be presented within the Company's financial statements or included in a filing with the SEC.

"Incentive-Based Compensation" means any compensation that is granted, earned, or vested based wholly or in part upon the attainment of a Financial Reporting Measure.

IX. ADMINISTRATION; AMENDMENT; TERMINATION.

All determinations under this Policy will be made by the Committee, including determinations regarding how any recovery under this Policy is effected. Any determinations of the Committee will be final, binding and conclusive and need not be uniform with respect to each individual covered by this Policy.

The Committee may amend this Policy from time to time and may terminate this Policy at any time, in each case in its sole discretion.

X. EFFECTIVENESS; OTHER RECOUPMENT RIGHTS

This Policy shall be effective as of October 23, 2023. Any right of recoupment under this Policy is in addition to, and not in lieu of, any other remedies or rights of recoupment that may be available to the Company and its subsidiaries and affiliates under applicable law or pursuant to the terms of any similar policy or similar provision in any employment agreement, equity award agreement or similar agreement.