Air Liquide

H1 2023 Results

Air Liquide

François Jackow, Chief Executive Officer Jérôme Pelletan, Chief Financial Officer Pascal Vinet, Executive Vice President Marcelo Fioranelli, Group Vice President

Paris, July 27, 2023

Air Liquid

01 Delivering Strong Performance Building the Future

François Jackow - Chief Executive Officer





H1 2023: Reinforcing our Model



(1) Operating Income Recurring on Sales excluding energy passthrough impact (2) Growth of Cash Flow from Operations before changes in WCR, excluding FX impact



3 Levers Driving Operational Excellence

H1 2023 figures



Performance Mindset

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Strengthening Leadership Position in Electronics in Asia



Investment decisions over the last 18 months

- **10** major projects
- . Start-ups from 2023 to 2025
- \$200m capex for 2 new Advanced materials production centers





19 Projects in Energy Transition Awarded Fundings in Europe



Projects capex awarded EU or national fundings



Carbon capture & CO₂ export hubs



Electrolysers



4 major projects

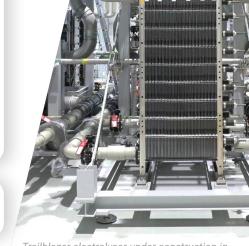
8 projects

 0.6GW electrolysis capacity under development

-5,800kt/y CO₂ emissions

HOLCIM CLOOist

Recently awarded:



Trailblazer electrolyser under construction in Oberhausen, Germany



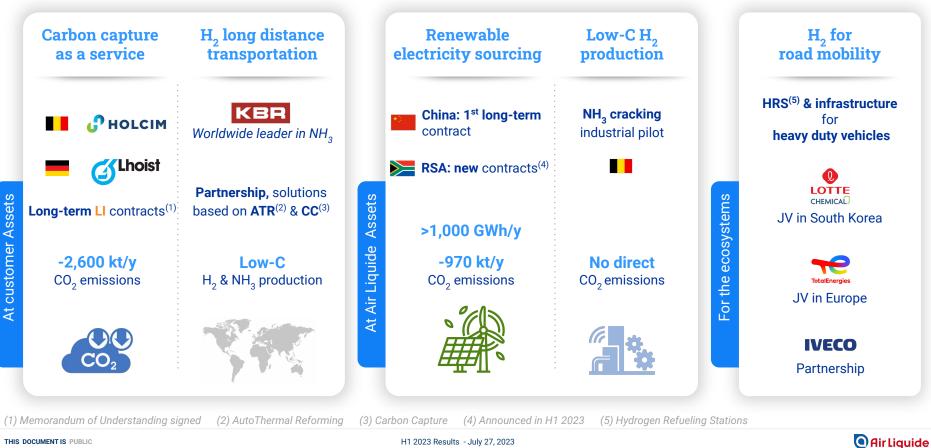
Projects eligible for sale of proprietary equipments (E&C)

12 Pro





Accelerating the Delivery of Decarbonization Roadmap in H1 2023



H1 2023 Key Takeaways

Active deployment of ADVANCE strategic plan

Strong performance in a challenging environment

- Acceleration of developments in Energy Transition
- Demonstrating once again the strength of the business model





02 Strong Performance Continued Momentum in Project Development

Jérôme Pelletan - Chief Financial Officer

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Continuing to Deliver Solid Sales Growth

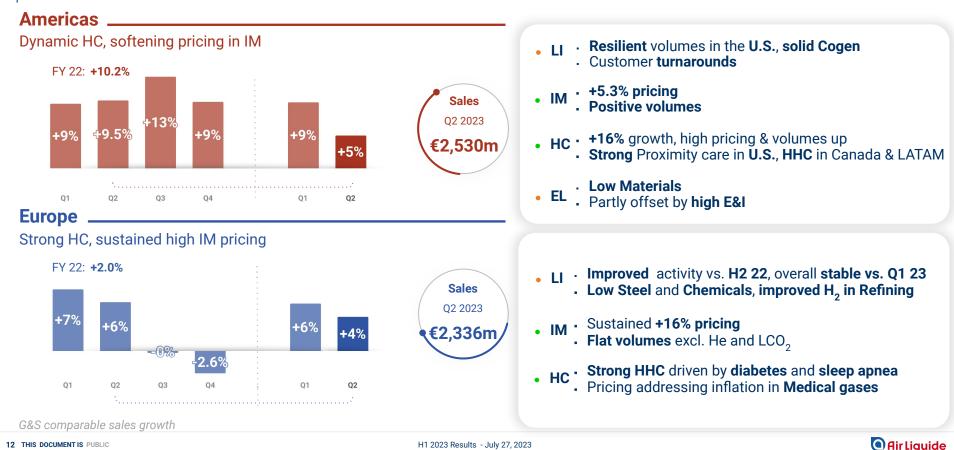
Sales in €m	H1 22	H1 23	H1 23/22 As published	H1 23/22 Comparable	Q2 23/22 Comparable
Gas & Services	13,600	13,405	-1.4%	+5.3%	+4.1%
Engineering & Construction	221	180	-18.4%	-17.3%	-16.0%
Global Markets & Technologies	386	395	+2.5%	+3.9%	+5.1%
Group Total	14,207	13,980	-1.6%	+4.9%	+3.8%
		:	-4.7% Ene	rgy +0.3%	Significant Scop

(1) Impact on sales of all acquisitions or disposals of a significant size for the Group

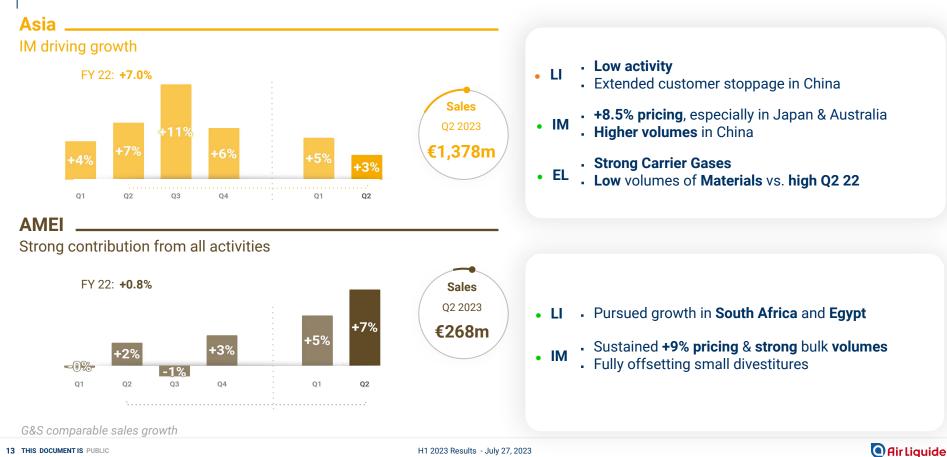
Industrial Merchant and Healthcare Driving Growth in Q2



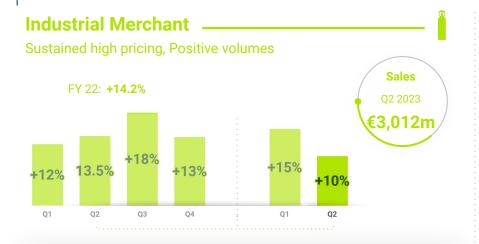
Q2 – Strong IM and HC in Americas and Europe



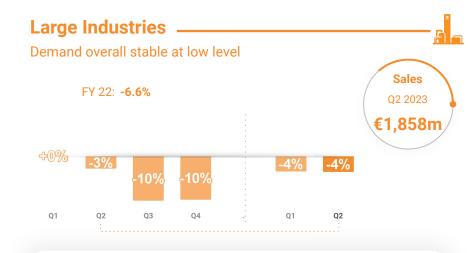
Q2 – Contrasted Asia, Increasing Growth in AMEI



Q2 – High Growth in IM, Improved LI from Low H2 2022



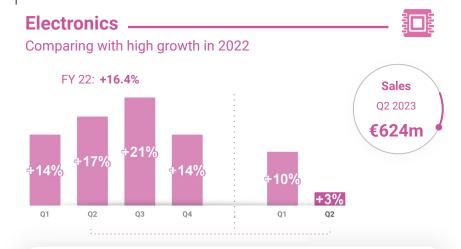
- High +8.6% pricing, although softening vs. high base
- Positive volumes
- Fabrication, Construction, Automotive and Technologies driving volume growth
- Continued momentum of on-site units signing



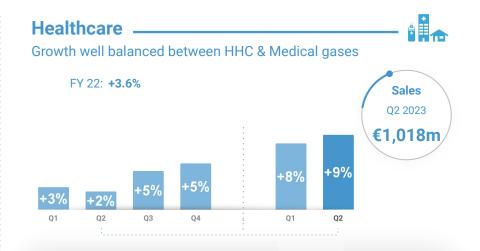
- Low Steel and Chemicals, stable Refining
- Customer turnarounds
- Solid contribution from start-ups and ramp-ups

G&S comparable sales growth

Q2 – Slowing Electronics, Sustained High Growth in Healthcare



- >+10% growth in Carrier Gases, from ramp-ups and Helium pricing
- Slowdown in Memory impacting demand for Specialty and Advanced Materials



- High Medical gases pricing in all regions
- Dynamic Home Healthcare:
 - strong sleep apnea in Europe and Canada
 - pursued momentum in diabetes
- Strong Specialty Ingredients

G&S comparable sales growth



Delivering +80bps of OIR Margin Improvement

ln €m	H1 22	H1 23	H1 23/22 As published	H1 23/22 Comparable
Revenue	14,207	13,980	-1.6%	+4.9%
Purchases	(6,516)	(5,737)	-12.0%	
Personnel Expenses	(2,380)	(2,546)	+7.0%	
Other net income and expenses	(1,836)	(1,987)	+8.2%	
Operating profit before depreciation	3,475	3,710	+6.8%	
Depreciation and amortization	(1,189)	(1,229)	+3.4%	
Operating income recurring (OIR)	2,286	2,481	+8.5%	+13.0%
Group OIR margin	16.1%	17.7%		
Group OIR margin excluding energy impact ⁽¹⁾		16.9%		+80bps
G&S OIR margin	17.7%	19.3%		
G&S OIR margin excluding energy impact ⁽¹⁾		18.4%		+70bps

(1) See reconciliation in appendix

Pursued Focus on Performance



- Continued active price management
- High pricing impact
 - Comparing with high level in 2022
 - Decreasing energy prices





- +24% vs. H1 22
- Rebound of industrial efficiencies
- Continued procurement efficiencies in a context of high inflation

Portfolio Management YTD —

9 acquisitions



U.S., Italy, China, India

Sweden



Germany

2 divestitures



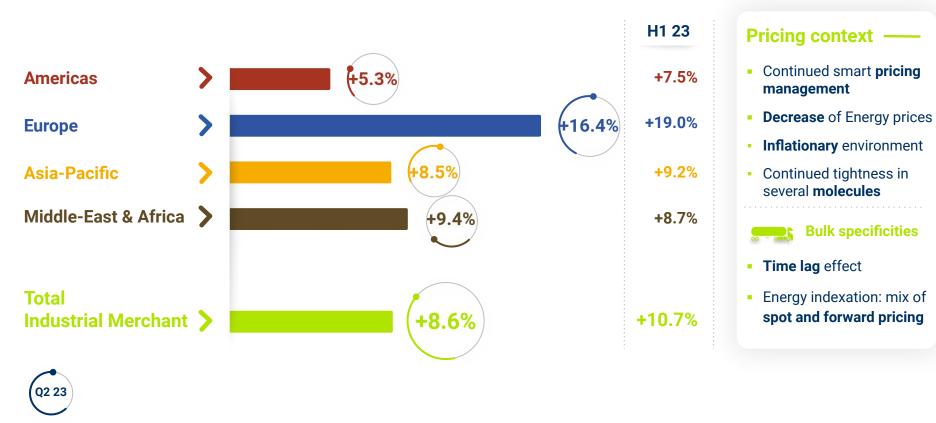
Trinidad and Tobago



Sale of minority stake in Hydrogenics



Still High IM Pricing



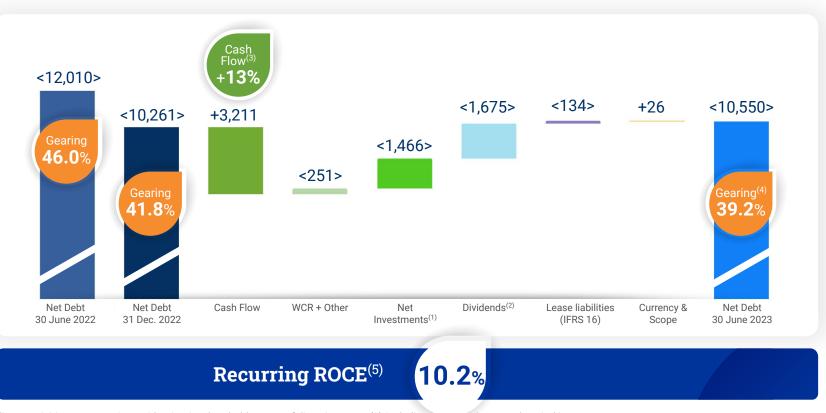


Strong Leverage on Recurring Net Profit

ln €m	H1 22	H1 23	H1 23/22 As published	H1 23/22 Excl. FX
Revenue	14,207	13,980	-1.6%	+0.5% —
Operating income recurring	2,286	2,481	+8.5%	+4.9%
Other non-recurring operating income & expenses	(270)	33		comparable
Operating income	2,016	2,514		
Net financial costs and other net financial expenses	(180)	(211)		
Income taxes	(459)	(539)		
Tax rate	25.0%	23.4%		
Share of profit of associates	1	2		
Minority interests	73	44		
Net profit (Group share)	1,305	1,722	+31.9%	+39.5%
Earnings per share (in €)	2.50	3.30	+32.0%	
Recurring net profit ⁽¹⁾	1,551	1,627	+4.9%	+11.3%

(1) Excl. exceptional and significant transactions that have no impact on the operating income recurring

Strong Cash Flow, ROCE >10%



(1) Including acquisitions, transactions with minority shareholders, net of divestitures.
(2) Incl
(3) Growth of Cash Flow from Operations before changes in WCR, excluding FX impact
(4) Adju

(2) Including treasury shares and capital increase

(4) Adjusted for dividend seasonality (5) Recurring ROCE after tax based on Recurring Net Profit



Continued Positive Momentum in Project Development

12-months investment _____ Opportunities⁽¹⁾



High level of opportunities:

- >40% in Energy Transition, including several US IRA projects
 - Portfolio well balanced by geography

Investment Decisions⁽¹⁾



Sustained level of decisions in Q2:

- 2 major EL projects in Asia
- 3 IM on-site units for battery manufacturer in U.S.
- GM&T: 2 H₂ filling centers & supply chain in Asia

Investment Backlog⁽¹⁾



Sustained strong backlog:

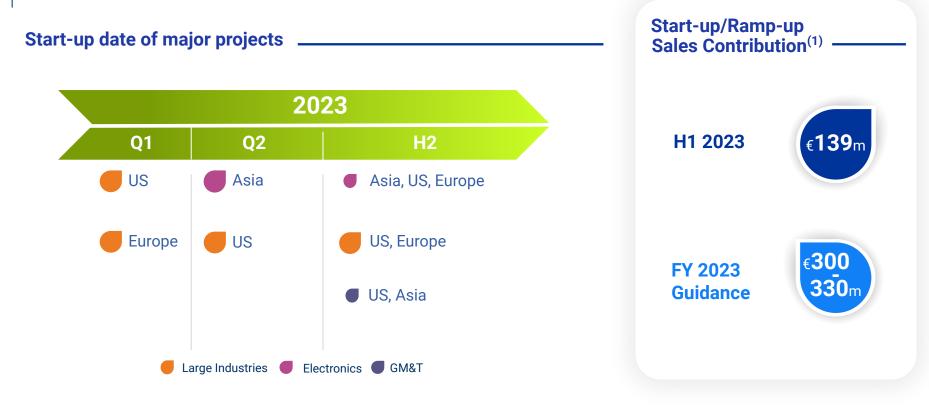
Well balanced between LI and EL

€1.2bn of yearly **sales** after full ramp-up

(1) See definitions in appendix



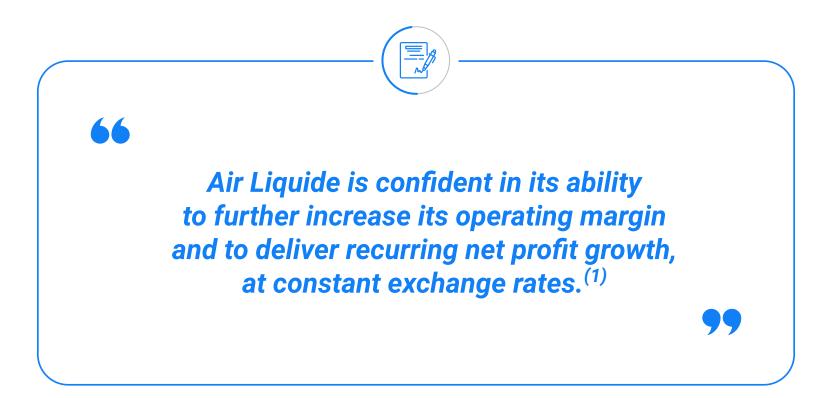
SU and RU Contributing to Sales in H1 2023



(1) At constant exchange rate and excluding energy passthrough impact



Confirmed 2023 Guidance



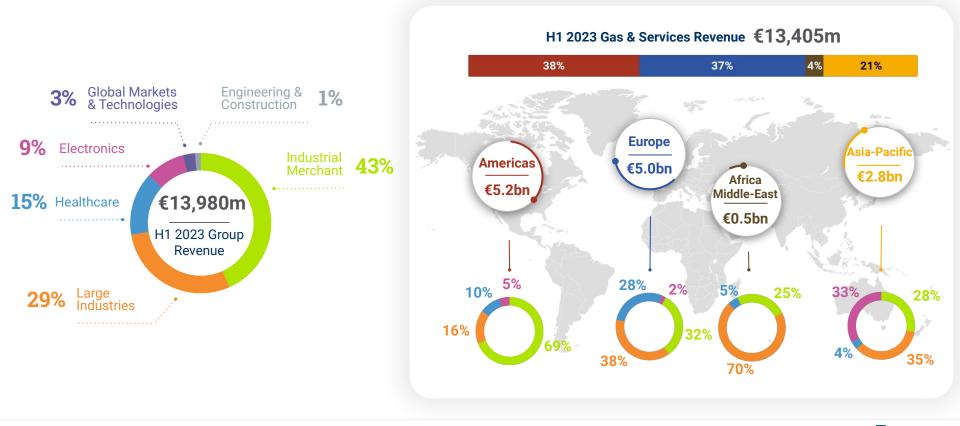
⁽¹⁾ Operating margin excluding energy passthrough impact. Recurring net profit excluding exceptional and significant transactions that have no impact on the operating income recurring

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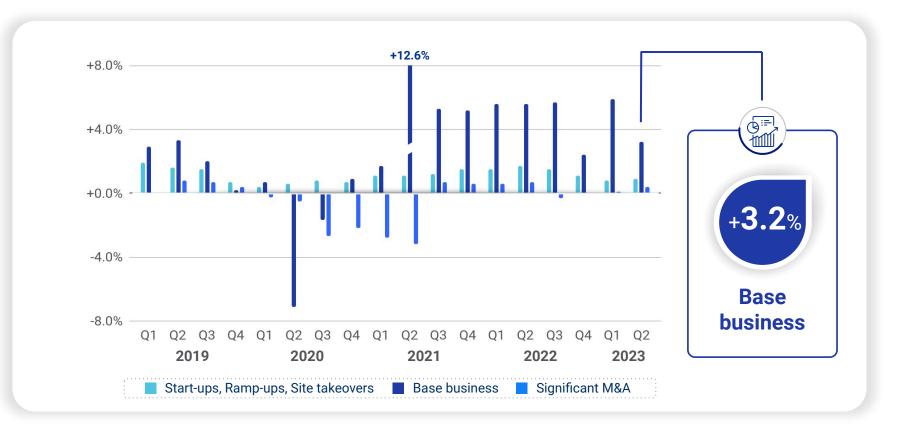
H1 2023 - Beneficial Mix of Geographies and Activities



H1 2023 Results - July 27, 2023

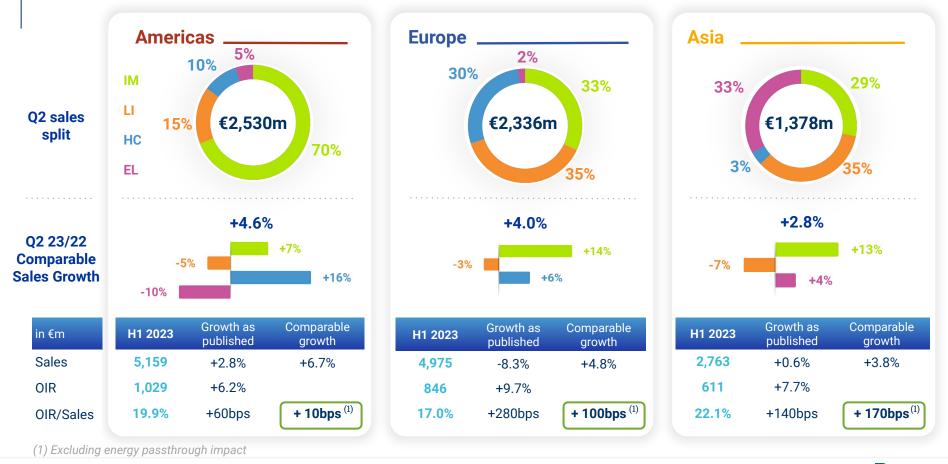
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Main Components of Sales Growth



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Q2 Sales and H1 2023 OIR margin by Geographies



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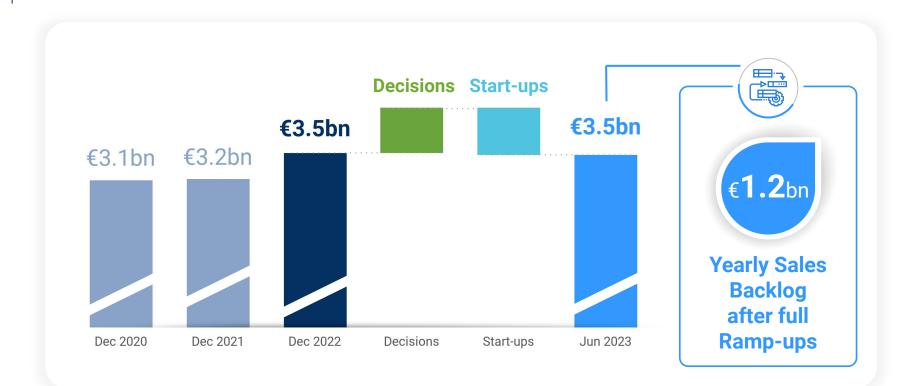
H1 2023 - High Order Intake in E&C and GM&T

Comparable sales growth



(1) Including internal sales (2) Excluding small divestitures

Sustained Strong Backlog at €3.5bn Level



See definitions in appendix



Consolidated P&L

In €m	H1 22	H1 23
Revenue	14,207	13,980
Operating costs	(10,732)	(10,270)
Operating profit before depreciation	3,475	3,710
Depreciation and amortization	(1,189)	(1,229)
Operating income recurring	2,286	2,481
Other non-recurring operating income & expenses	(270)	33
Operating income	2,016	2,514
Net financial costs and other net financial expenses	(180)	(211)
Income taxes	(459)	(539)
Share of profit of associates	1	2
Profit for the period	1,378	1,766
- Minority interests	73	44
- Net profit (Group share)	1,305	1,722
Basic earnings per share (in €)	2.50	3.30



Consolidated Balance Sheet Simplified

ln €m

ASSETS	31/12/2022	30/06/2023
Goodwill	14,587	14,300
Fixed assets	25,459	25,323
Other non-current assets *	1,234	1,150
Total non-current assets	41,280	40,773
Inventories & work in-progress	1,961	2,023
Trade receivables & other current assets *	4,324	3,961
Cash and cash equivalents	1,911	1,712
Total current assets	8,196	7,696
Assets held for sale	42	87
Total assets	49,518	48,556

	31/12/2022	30/06/2023
Net debt	10,261	10,550
Net debt to equity ratio	41.8%	39.2% ⁽¹⁾

EQUITY AND LIABILITIES	31/12/2022	30/06/2023
Shareholders' equity	23,736	23,240
Minority interests	836	806
Total equity	24,572	24,046
Provisions	1,991	1,987
Non-current borrowings	10,169	8,762
Non-current lease liabilities	1,052	1,043
Other non-current liabilities *	2,838	2,880
Total equity and non current liabilities	40,622	38,718
Provisions	282	309
Trade payables & other current liabilities *	6,367	5,765
Current lease liabilities	228	223
Current borrowings	2,004	3,501
Total current liabilities	8,881	9,798
Liabilities held for sale	15	40
Total equity and liabilities	49,518	48,556

* Including fair value of derivatives (1) Adjusted for dividend seasonality



Cash Flow Statement

in €m	H1 22	H1 23
Funds provided by operations	2,907	3,211
Changes in Working Capital	(634)	(299)
Other cash items	(32)	48
Net cash from operating activities	2,241	2,960
Purchases of PPE* and intangible assets	(1,574)	(1,714)
Purchases of financial assets	(54)	(32)
Proceeds from sale of PPE*, intangible and financial assets, dividends from associates	81	289
Net cash in investing activities	(1,547)	(1,457)
Distribution	(1,428)	(1,612)
Increase in capital stock	17	20
Purchase of treasury shares	(193)	(83)
Transactions with minority interests	-	(8)
Change in borrowings and lease liabilities (incl. net interests)	182	(31)
Impact of Exchange rate changes and net debt of newly consolidated companies & others	(35)	(40)
Change in net cash and cash equivalents	(763)	(251)
Net cash and cash equivalents at the end of the period	1,376	1,510

* PPE: Property, plant and equipment



Reconciliation of OIR Margin Excluding Energy Impact

		H1 22	H1 23	Natural gas impact ⁽¹⁾	Electricity impact ⁽¹⁾	H1 23 excl. energy impact	Variation excl. energy impact
Revenue	Group	14,207	13,980	(565)	(118)	14,663	
	Gas & Services	13,600	13,405	(565)	(118)	14,088	
Operating Income Recurring (OIR)	Group	2,286	2,481			2,481	
	Gas & Services	2,404	2,587			2,587	
OIR Margin	Group	16.1%	17.7%			16.9%	+80bps
	Gas & Services	17.7%	19.3%			18.4%	+70bps

(1) Includes the currency effect linked to the considered energy impact

Energy impact = Share of sales indexed to energy year (N-1) x (Average energy price in year (N) - Average energy price in year (N-1)) in LI

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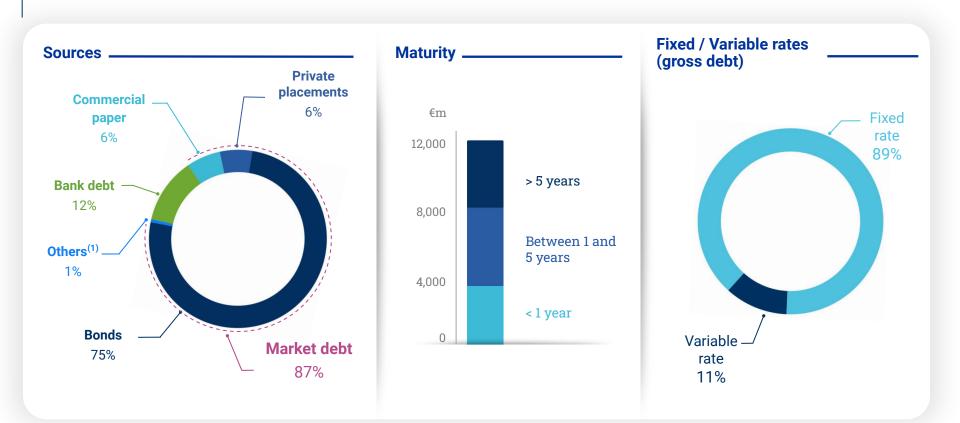
Impact of Currency and Energy on G&S Revenue

in €m	Q1 22	Q2 22	Q3 22	Q4 22	Q1 23 ^(*)	Q2 23
€/USD	+141	+271	+373	+274	+102	(50)
€/ARS	(5)	(4)	(7)	(62)	(40)	(62)
€/JP¥	(5)	(10)	(16)	(23)	(20)	(17)
€/Rmb	+52	+59	+62	+6	(18)	(51)
€/ZAR	+4	+2	+1	(1)	(14)	(31)
€/SGD	+10	+18	+24	+18	+11	+1
€/TRY	(13)	(13)	(10)	(23)	(5)	(13)
Others	+34	+66	+73	+4	(26)	(61)
Currency Impact	+218	+389	+500	+193	(10)	(284)
in €m	Q1 22	Q2 22	Q3 22	Q4 22	Q1 23	Q2 23
Natural Gas Impact	+607	+690	+1014	+193	(123)	(436)
in €m	Q1 22	Q2 22	Q3 22	Q4 22	Q1 23	Q2 23
Electricity Impact	+267	+267	+412	+134	(14)	(96)

* Correction to Q1 2023 impact of €/USD and €/EGP



Financing Structure as of June 30, 2023



(1) Others: put options granted to minority shareholders

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Investment Cycle – Definitions

Investment opportunities at end of the period

- Investment opportunities under consideration by the Group for decision within 12 months.
- Industrial projects with investment value > €5m for Large Industries and > €3m for other business lines.
- Includes asset replacements or efficiency projects. Excludes maintenance and safety.

Investment backlog at end of the period

- Cumulated industrial investment value of projects decided but not yet started.
- Industrial projects with value > €10m, including asset replacements or efficiency projects, excluding maintenance and safety.

Sales backlog

Cumulated expected sales per year generated by the current investment backlog after full ramp-up.

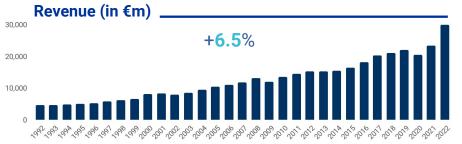
Decisions of the period

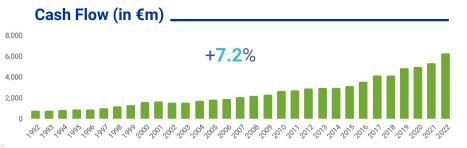
- Cumulated value of industrial and financial investment decisions.
- Industrial, growth and non-growth projects including asset replacements, efficiency, maintenance and safety.
- Financial decisions (acquisitions).

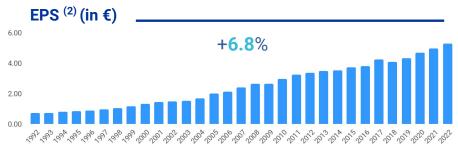


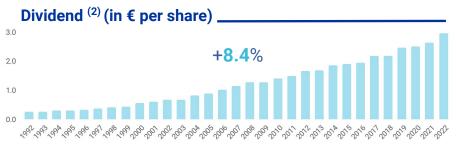
Regular and Sustained performance

CAGR over 30 years⁽¹⁾









(1) Calculated according to prevailing accounting rules over 30 years (2) Dividend based on current year results and proposed for payment the following year. Adjusted for the 2-for-1 share split in 2007, for free share attributions and for the capital increase completed in October 2016



For further information, please contact:

Upcoming events

2023 Third Quarter Revenue: October 25, 2023



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L'Air Liquide S.A.

Corporation for the study and application of processes developed by Georges Claude with registered capital of 2,878,976,490.50 euros



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