

## Full Year 2019 Results

Step-up in **Performance Improvement** 

High level of **Investments** for Customers and Efficiency

Commitment to **Climate** Reaffirmed



# 2019, A Landmark Year for Air Liquide

Benoît Potier
Chairman & Chief Executive Officer

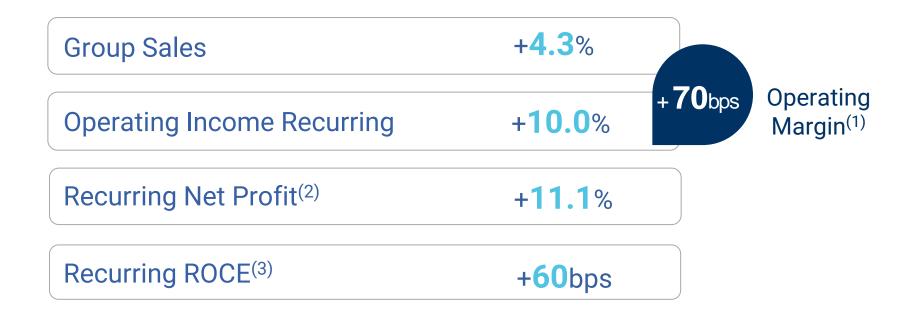


# 2019, A Landmark Year for Air Liquide

- Commitment to a structured plan for performance improvement driving initial step up in margins
- Commitment to customers and efficiency
   High level of investments, major signings in key basins
- Commitment to climate reaffirmed
   Reduction in carbon intensity and launch of major innovative projects



# Strong **Performance Improvement** in 2019





<sup>(1)</sup> Excluding energy impact

<sup>(2)</sup> Excluding exceptional and significant operations not impacting the Operating Income Recurring

<sup>(3)</sup> Return on Capital Employed based on Recurring Net Profit

# Structured Program in Place to Deliver NEOS and Beyond

Reinforced Launched **Extended** existing plan in 2019 Outlook Product Mix **Pricing** Management ... with commitment to **Transformation Efficiencies** further improve the **Programs** operating margin<sup>(1)</sup>. **Bolt-on** Portfolio **Acquisitions Streamlining** 

(1) Assuming no major change in the environment and the international health situation is under control



# High Investments, Order Intake Recovering

#### Industrial Investment Decisions —

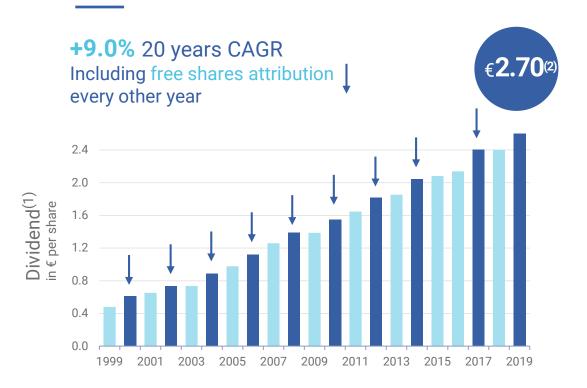


#### —E&C and GM&T Order Intake -





## Proposed Dividend Distribution in 2020





#### **Strong dividend increase**

- ✓ Increase of nominal
- ✓ Free share attribution

58% Payout Ratio

(1) Historical data adjusted for past free share attributions and for a factor of 0.974 reflecting the value of the rights of the 2016 capital increase

(2) Subject to the approval of shareholders during the General Meeting on May 5, 2020

# Further Reduction of Carbon Intensity

Climate Objectives announced in Nov. 2018 2019 Achievement 6.3 Reduction of **Carbon intensity** from 2015 to 2025  $(kg CO_2/ \in EBITDA^{(1)})$ **Initial Carbon Intensity Commitment** in kg CO<sub>2</sub>/€ EBITDA<sup>(1)</sup>

(1) Operating Income Recurring before Depreciation and at 2015 exchange rate

2015 2016 2017 2018 **2019** 2020 2021 2022 2023 2024 2025

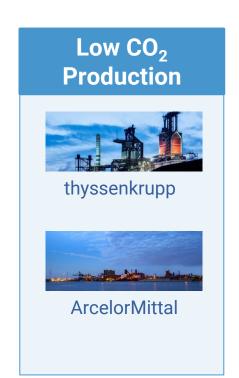
11 February 2020 FY 2019 Results A world leader in gases, technologies and services for Industry and Health



# Launch of Major Innovative Projects

# **CCS**<sup>(1)</sup> MOU with Northern Lights Consortia with Ports of Antwerp and Rotterdam







(1) Carbon Capture and Storage

# Performance Improvement in FY 2019

Fabienne Lecorvaisier
Executive Vice President &
Chief Financial Officer



# Step-up in Performance Improvement

As published figures





(1) Cash Flow from Operations before changes in Working Capital Requirement on Group Sales (2) Recurring ROCE, based on Recurring Net Profit

# Regardless of the Environment, Robust FY Sales Growth

Sales in €m	FY 18	FY 19	<b>FY 19/18</b> Comparable	<b>FY 19/18</b> As published	<b>Q4 19/18</b> Comparable
Gas & Services	20,107	21,040	+3.5%	+4.6%	+0.9%
Engineering & Construction	430	328	-25.0%	-23.7%	-51.7%
Global Markets & Technologies	474	552	+14.9%	+16.5%	+11.1%
Group Total	21,011	21,920	+3.2%	+4.3%	-0.1%

FY Group Sales:

• +2.1% FX Impact

■ -1.4% Energy Impact

■ +0.4% Scope



## Q4 2019 Market Trends to Continue in Q1 2020

Chemicals
Oil & gas
Steel

Construction
Energy
Food & Pharma
Techno & Research

Metal Fab.

- EL Integrated Circuit
- HC Medical gases
  Home Healthcare



















- Soft Chemicals and Steel
- Sustained demand for Refining in Europe
- New projects across markets

- Widening contrasts in markets:
  - **Growing Consumption and Technology** sectors
  - **Softening** IP-related sectors
- IC market rebound expected driven by development of 5G and IoT
- Healthcare strong fundamentals



# Q4 - Stable Americas, Very Solid Europe

—— G&S comparable sales growth

#### **Americas - Major Customer Turnarounds in LI**



Sales FY 2019

€8,460m

- LI customer turnarounds
- IM solid pricing
  - widening contrasts in markets
  - gas sales up, hardgoods down -9%
- HC strong Medical Gases in US and dynamic Latin America
- EL strong Carrier Gases
  - high YoY **E&I comparison basis**

#### **Europe – Growth Driven by HC and Resilient IM**



Sales FY 2019

€7,172m

- LI solid H<sub>2</sub> for Refining in Benelux
  - soft Steel and Chemicals in Germany
- IM positive pricing
  - positive mix: cylinders outpacing bulk
- **HC** high organic growth in HHC
  - solid Medical Gases



### Q4 – Solid Asia, Stable AME

—— G&S comparable sales growth

Asia - Robust EL, Solid LI, Resilient IM



Sales FY 2019

€4,794m

- LI O<sub>2</sub> Ramp-Ups in China for Chemicals
- IM China: strong cylinder volumes, lower bulk pricing
  - **strong helium** sales
  - slowing Australia and Japan
- EL ->+10% excluding E&I
  - **very strong** Advanced Materials





Sales FY 2019

€614m

- LI major production units stable at full load
- IM Egypt and India outpacing Africa



# Q4 - Resilient IM, LI Stable Despite Turnarounds

—— G&S comparable sales growth

#### **Industrial Merchant – Sustained Pricing Compensating Lower Volumes**

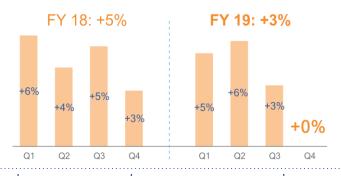


Sales FY 2019

€9,754m

- solid pricing at +3.2%
- growing gas sales; drop in hardgoods
- **unequal** end markets:
  - Strong Food, Pharma, and Techno
  - Weak Construction and Metal Fab

#### Large Industries - No Start-Ups in Q4



Sales FY 2019

€5,629m

- solid Refining in Benelux with high H<sub>2</sub> volumes
- heavy customer turnarounds in Americas
- soft Chemicals in Europe and low Steel



# Q4 – Consistent High HC, Strong EL Excluding E&I

—— G&S comparable sales growth

#### **Healthcare – Strong Organic Growth**



Sales FY 2019

€3,693m

- strong HHC across Europe, expansion in diabetes
- solid Medical Gases in Americas

#### **Electronics – +6.8% Growth Excluding E&I**



Sales FY 2019

€1,964m

- double digit growth in Carrier Gases and Advanced Materials
- significant decrease in E&I compared to 2018 exceptional level



# Confirmed Step-Up in OIR Margin: +70 bps

FY 18	FY 19	FY 19/18	FY 19/18 Comparable
21,011	21,920	+4.3%	+3.2%
(8,276)	(8,154)	-1.5%	
(4,146)	(4,411)	14.20/	
(3,374)	(3,423)	+4.2%	
5,215	5,932	+13.7%	
(1,766)	(2,138)	+21.0%	
3,449	3,794	+10.0%	+7.5%
	17.3%	+90 bps	
	17.1%		+70 bps
	18.9%		+60 bps
	21,011 (8,276) (4,146) (3,374) <b>5,215</b> (1,766)	21,011 21,920 (8,276) (8,154) (4,146) (4,411) (3,374) (3,423) 5,215 5,932 (1,766) (2,138) 3,449 3,794 17.3%	21,011 21,920 +4.3% (8,276) (8,154) -1.5% (4,146) (4,411) +4.2% (3,374) (3,423)  5,215 5,932 +13.7% (1,766) (2,138) +21.0% 3,449 3,794 +10.0% 17.3% +90 bps 17.1%

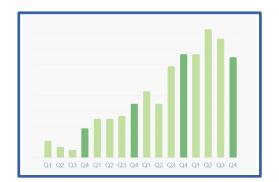




# Structured Performance Improvement Program



Price/Mix



**Efficiencies** 



Portfolio Management

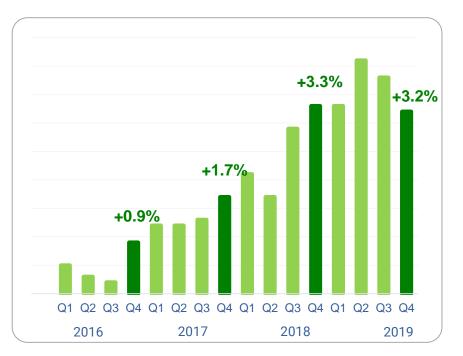


(1) Operating Income on sales excluding energy impact in FY 2019

# Pursued Management of Pricing and Product Mix

IM pricing momentum





- Focus on high value added applications
- Higher cylinder growth compared to bulk in IM
- Less E&I in EL and hardgoods in IM
- High helium pricing continuing in 2020
- 2020 Price campaigns planned



# Strengthened Efficiency Program Delivering

2019 efficiencies

**Cumulated** efficiencies



On top of existing procurement and industrial efficiencies:

- Pursued digital deployment with strong momentum in LI
- On-going reorganizations especially in IM and HHC Europe
- Airgas significant contributor to the 2019 increase



# Continuous Portfolio Management

Focus on Core business

— 6 Divestitures in 2019 —

2 in Europe

1 in Asia: Fujian

2 at Airgas, 1 in Asia

———— On-going ————

9 including potential sale of Schülke

> Densification of operations

— 24 Acquisitions in 2019

including

4 at Airgas and

6 in China

1 in Canada and

1 in UK

1 in Netherlands



# Strong Recurring Net Profit

In €m	FY 18	FY 19	FY 19/18
Revenue	21,011	21,920	+4.3%
Operating Income Recurring	3,449	3,794	+10.0%
Other non-recurring operating income & expenses	(162)	(188)	
Operating income	3,287	3,606	
Net financial costs and other net financial expenses	(353)	(468)	
Income taxes	(731)	(802)	
Tax rate	24.9%	25.5%	
Share of profit of associates	4	1	+11
Minority interests	94	96	
Net profit (Group share)	2,113	2,242	+6.1%
Earnings per share (in €)	4.49	4.76	+5.9%

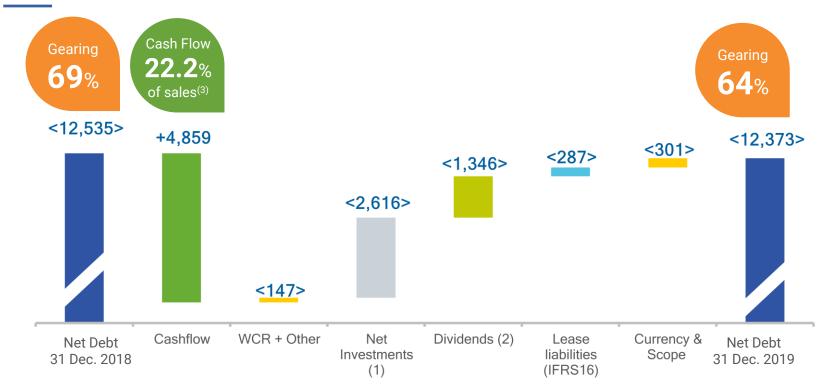
#### Recurring Net profit

Excluding one-offs:

- Fujian in 2019
- financial gain in 2018



# High Cash Flow and Gearing Reduction



(1) Including acquisitions, transactions with minority shareholders, net of divestitures (2) Including share purchases and capital increases

(3) 21.0% excluding IFRS16

11 February 2020



# Regular ROCE Improvement





(2) Recurring ROCE based on Recurring Net Profit and excluding IFRS16



# High Level of Investments for Customers and Efficiency

# Investment Opportunities<sup>(1)</sup> 12-month portfolio €2.9bn FY 18 Q3 19 FY 19

- Mostly Chemicals, Oil & Gas, IC
- Increased number of takeovers

# Investment Decisions<sup>(1)</sup>



- Major signings in key basins
- Contract renewals & acceleration of efficiency investments
- ~30% linked to Climate
   Biomethane,
   PEM electrolyzer in Canada

# Start-up/Ramp-up Sales Growth Contribution



- 18 Start-Ups FY
- Q4 2019: 1 additional SU in EL China

(1) See definitions in appendix



# Confirmed 2020 Estimated Contribution from Start-Ups

#### Major Start-Ups



#### Sales growth contribution



#### Increased Backlog €2.8bn



after full Ramp-ups



#### 2020 Outlook



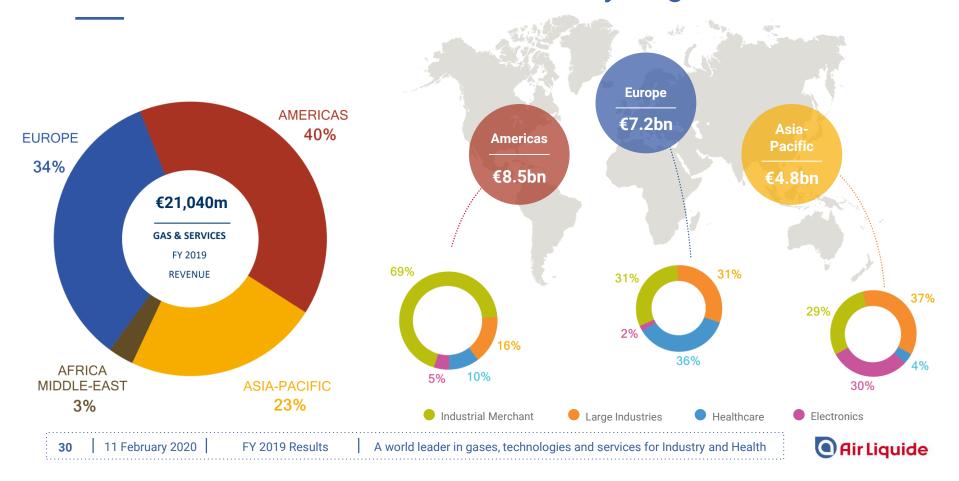
"Assuming no major change in the environment and the international health situation is under control, Air Liquide is confident in its ability to further increase its operating margin and to deliver net profit growth in 2020, at constant exchange rate."



FY 2019 Appendix



# FY 2019 G&S Revenue Breakdown by Region



#### **Americas**

#### Q4 Gas & Services Sales: €2,106m

#### INDUSTRIAL MERCHANT

- Widening contrasts between markets:
  - stronger Food, Pharma, Research
  - lower Construction and Metal Fab
- Solid pricing +3.9%
- Positive gas sales, hardgoods down -9%

#### LARGE INDUSTRIES

- Heavy customer turnarounds in U.S.: -5% of Americas sales
- Strong cogen in U.S.
- Dynamic Latin America
- Major new signing

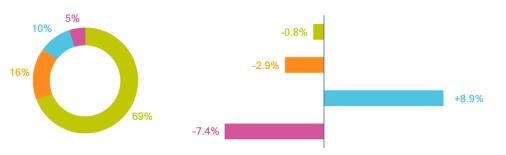
#### **HEALTHCARE**

- Strong Medical Gases in U.S. for Proximity care
- High HHC and Medical gases in Latin America
- Limited impact of bolt-on acquisitions

#### **ELECTRONICS**

- Strong Carrier Gases
- High YoY E&I comparison basis





In €m	FY 2019	Growth as published	Comparable growth
Sales	8,460	+6.0%	+1.5%
OIR	1,537	+12.2%	
OIR/Sales	18.2%	+100bps	+90bps <sup>(1)</sup>

(1) Excluding energy impact



# Europe

#### Q4 Gas & Services Sales: €1,819m

#### INDUSTRIAL MERCHANT

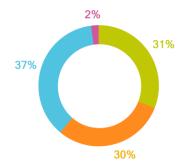
- Resilient activity in all geographies
- Solid **pricing** at +2.5%
- Positive mix: cylinder outpacing bulk

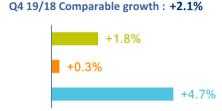
#### **LARGE INDUSTRIES**

- Solid H<sub>2</sub> demand for refining in Benelux
- Soft steel and chemicals
- Ramp-Ups in Eastern Europe

#### **HEALTHCARE**

- High organic growth in HHC with strong Diabetes
- Solid Medical Gases and Hygiene
- Contribution from small acquisitions fully offset by divestitures





In €m	FY 2019	Growth as published	Comparable growth
Sales	7,172	+0.9%	+3.4%
OIR	1,431	+4.6%	
OIR/Sales	20.0%	+80bps	+30bps (1)

(1) Excluding energy impact





#### Asia-Pacific

#### Q4 Gas & Services Sales: €1,182m

#### INDUSTRIAL MERCHANT

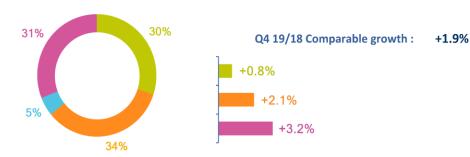
- Recovering pricing: +1.4%, incl. Helium
- China: strong cylinder volumes, lower bulk pricing
- Slowing Australia and Japan
- Acquisition in Malaysia

#### LARGE INDUSTRIES

- O<sub>2</sub> Ramp-Ups in China for Chemicals
- **High** H<sub>2</sub> volumes in **Singapore**
- Low Australia and Japan

#### **ELECTRONICS**

- >+10% excluding E&I, especially in China. Korea and Taiwan
- Very strong Advanced Materials in Korea and China
- Significant decrease in E&I compared to 2018 exceptional level



FY 2019 Results

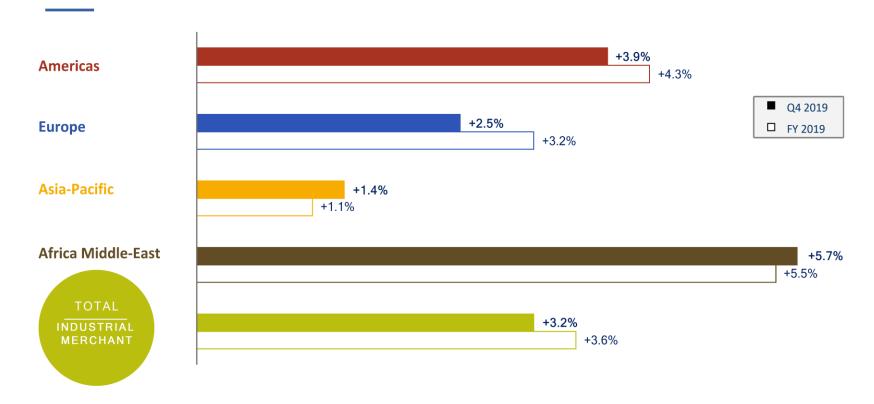
In €m	FY 2019	Growth as published	Comparable growth
Sales	4,794	+10.0%	+7.7%
OIR	951	+13.6%	
OIR/Sales	19.8%	+60bps	+60bps (1)

Excluding energy impact

11 February 2020



# **Industrial Merchant Pricing**





#### FY 2019 E&C and GM&T Activities

#### **Engineering & Construction**

Sales to third parties<sup>(1)</sup>

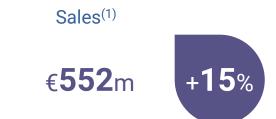


Order Intake

**€838**m

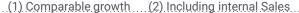


#### Global Markets & Technologies

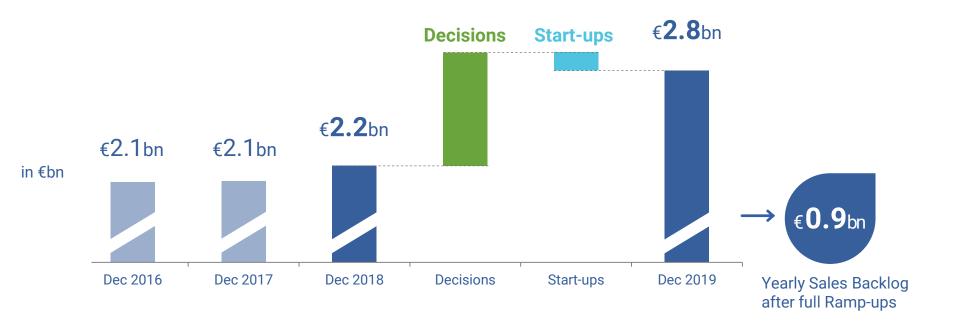








# Investment Backlog Increased to €2.8bn



See definitions in appendix



## **G&S Quarterly Growth Analysis**



(1) Comparable growth based on 2016 adjusted sales



## Consolidated P&L

In €m	FY 2018	FY 2019	FY 2019 excluding IFRS16
Revenue	21,011	21,920	21,920
Operating Costs	(15,796)	(15,988)	(16,254)
Operating income recurring before depreciation	5,215	5,932	5,666
Depreciation and amortization expenses	(1,766)	(2,138)	(1,895)
Operating Income Recurring	3,449	3,794	3,771
Net non-recurring operating income	(162)	(188)	(187)
Operating income	3,287	3,606	3,584
Net finance costs & other net financial expenses	(353)	(468)	(427)
Income taxes	(731)	(801)	(806)
Share of profit of associates	4	1	1
Profit for the period	2,207	2,338	2,352
- Minority Interest	94	96	96
- Net Profit (Group share)	2,113	2,242	2,256
Basic earnings per share (in €)	4.49	4.76	4.79



# Operating Margin (OIR/Revenue)

	H1 2018	H2 2018	2018
Group	15.9%	16.9%	16.4%
Gas & Services	17.8%	18.7%	18.3%

	H1 2019	H2 2019	2019
Group	16.6%	18.1%	17.3%
Group - Excl. Energy	16.6%	17.6%	17.1%
Gas & Services	18.4%	19.9%	19.1%
Gas & Services - Excl. Energy	18.4%	19.3%	18.9%

including +10bps from IFRS 16



## Consolidated Balance Sheet Simplified - In €m

ASSETS	31/12/2018	31/12/2019
Goodwill	13,345	13,943
Fixed assets	20,847	22,673
Other non-current assets *	1,026	1,083
Total non-current assets	35,218	37,699
Inventories & work in-progress	1,460	1,532
Trade receivables & other current assets	3,533	3,379
Cash and cash equivalents *	1,770	1,057
Total current assets	6,763	5,968
Total assets	41,981	43,667

	31/12/2018	31/12/2019
Net debt	12,535	12,373
Net debt ratio	68.8%	64.0%

17,783	18,870
424	454
18,207	19,324
4,367	4,573
11,710	11,567
0	1,088
268	308
34,552	36,860
325	268
4,526	4,396
0	244
2,578	1,899
7,429	6,807
	18,207 4,367 11,710 0 268 34,552 325 4,526 0 2,578



<sup>\*</sup> Including fair value of derivatives

## **Cash Flow Statement**

In €m	FY 2018 Restated	FY 2019
Funds provided by operations	4,242	4,859
Changes in Working Capital	613	(37)
Other cash items	(139)	(110)
Net cash from operating activities	4,716	4,712
Purchases of PPE* and intangible assets	(2,249)	(2,637)
Purchases of financial assets and the impact of changes in scope	(129)	(537)
Proceeds from sale of PPE*, intangible and financial assets	108	589
Net cash in investing activities	(2,270)	(2,585)
Distribution	(1,234)	(1,237)
Increase in capital stock	138	39
Purchase of treasury shares	(64)	(148)
Transactions with minority shareholders	(1)	(31)
Lease liabilities repayments (incl. net interests)		(287)
Impact of Exchange rate changes and net debt of newly consolidated companies & others	(449)	(301)
Change in net debt	836	162

<sup>\*</sup> PPE: Property, plant and equipment.



## Impact of Currency and Energy on G&S Revenue

Currency	In €m	Q1 18	Q2 18	Q3 18	Q4 18	Q1 19	Q2 19	Q3 19	Q4 19
	€/USD	(258)	(147)	+15	+55	+138	+107	+81	+52
	€/CNY	(26)	(4)	(5)	(7)	+10	(5)	+7	+6
	€/JP¥	(24)	(17)	+1	+8	+16	+14	+22	+18
	Others	(105)	(90)	(72)	(57)	(23)	(13)	(3)	+5
	Total currency impact	(413)	(258)	(61)	(1)	+141	+103	+107	+81
	Average rate	Q1 18	Q2 18	Q3 18	Q4 18	Q1 19	Q2 19	Q3 19	Q4 19
	€/USD	1.23	1.19	1.16	1.14	1.14	1.12	1.11	1.11
	€/CNY	7.81	7.60	7.92	7.89	7.66	7.67	7.80	7.80
	€/JP¥	133.1	130.1	129.6	128.8	125.1	123.5	119.3	120.4
Natural Gas	In €m								
	Natural Gas Impact	(14)	+30	+82	+87	+5	(36)	(134)	(129)
Electricity	In €m								
	Electricity Impact	(2)	+21	+36	+38	+27	+7	(12)	(30)



## Revenue Analysis by Quarter and by Business Line

Sales in €m	Q1 18	Q2 18	Q3 18	Q4 18	Q1 19	Q2 19	Q3 19	Q4 19	Q4 19/18 as published	Q4 19/18 comparable
Large Industries	1,365	1,353	1,454	1,513	1,490	1,414	1,374	1,351	-10.7%	+0.0%
Industrial Merchant	2,208	2,293	2,312	2,368	2,365	2,462	2,471	2,456	+3.7%	+0.1%
Healthcare	850	864	862	910	897	924	915	957	+5.3%	+5.1%
Electronics	408	428	438	481	485	499	482	498	+3.4%	+0.0%
Gas & Services	4,831	4,938	5,066	5,272	5,237	5,299	5,242	5,262	-0.2%	+0.9%
Engineering & Construction	85	95	105	145	93	83	81	71	-51.1%	-51.7%
Global Markets & Technologies	94	119	100	161	111	129	131	181	+12.3%	+11.1%
<b>Group Total</b>	5,010	5,152	5,271	5,578	5,441	5,511	5,454	5,514	-1.1%	-0.1%



# Revenue Analysis by Quarter and by Geography

Sales in €m	Q1 18	Q2 18	Q3 18	Q4 18	Q1 19	Q2 19	Q3 19	Q4 19	Q4 19/18 as published	Q4 19/18 comparable
Americas	1,901	1,973	2,017	2,091	2,069	2,148	2,137	2,106	+0.8%	-0.6%
Europe	1,753	1,711	1,779	1,868	1,829	1,782	1,742	1,819	-2.7%	+2.1%
Asia-Pacific	1,016	1,091	1,099	1,153	1,194	1,211	1,207	1,182	+2.5%	+1.9%
Middle-East, Africa	161	163	171	160	145	158	156	155	-2.9%	+0.6%
Gas & Services	4,831	4,938	5,066	5,272	5,237	5,299	5,242	5,262	-0.2%	+0.9%
Engineering & Construction	85	95	105	145	93	83	81	71	-51.1%	-51.7%
Global Markets & Technologies	94	119	100	161	111	129	131	181	+12.3%	+11.1%
Group Total	5,010	5,152	5,271	5,578	5,441	5,511	5,454	5,514	-1.1%	-0.1%



# G&S Revenue Growth by Quarter and by Impact

	Growth as published	Natural Gas	Electricity	Currency	Significant perimeter	Comparable growth
Q1 2018	-4.3%	-0.3%	-0.0%	-8.3%	-0.7%	+5.0%
Q2 2018	+0.1%	+0.6%	+0.4%	-5.3%	-0.7%	+5.1%
Q3 2018	+5.8%	+1.7%	+0.7%	-1.3%	-0.5%	+5.2%
Q4 2018	+8.1%	+1.8%	+0.7%	+0.0%	+0.0%	+5.6%
Q1 2019	+8.4%	+0.1%	+0.6%	+2.9%	+0.0%	+4.8%
Q2 2019	+7.3%	-0.7%	+0.1%	+2.1%	+0.8%	+5.0%
Q3 2019	+3.5%	-2.7%	-0.2%	+2.2%	+0.7%	+3.5%
Q4 2019	-0.2%	-2.4%	-0.6%	+1.5%	+0.4%	+0.9%



## 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.

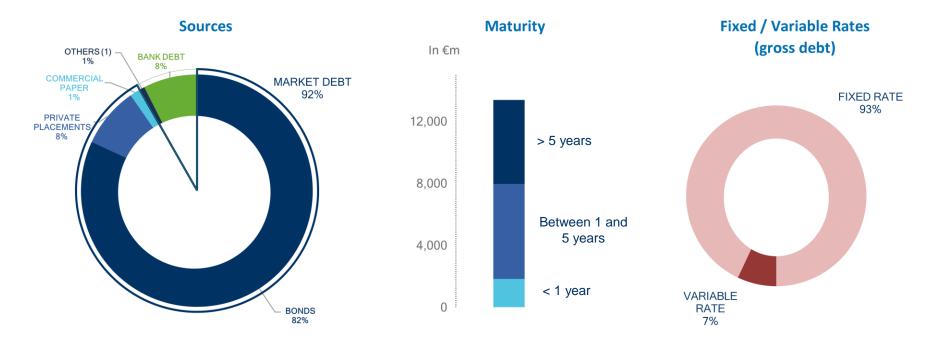
#### Decisions of the period

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



## Financing Structure

### As of December 31, 2019

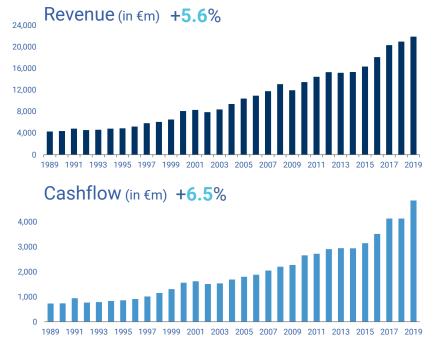


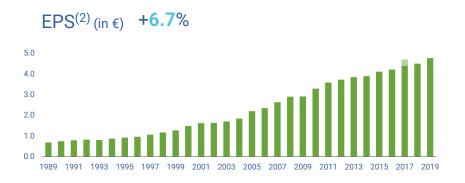
(1) Others: put options granted to minority shareholders.

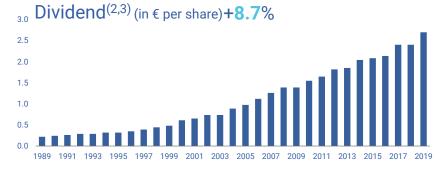


## Regular and Sustained Performance

—— CAGR over 30 years<sup>(1)</sup>







(1) Calculated according to prevailing accounting rules over 30 years. (2) Adjusted for the 2-for-1 share split in 2007, for attributions of free shares and for a factor of 0.974 reflecting the value of the rights of the capital increase completed in October 2016. (3) Dividend 2019 subject to the approval of shareholders during the General Meeting on May 5, 2020



### Disclaimer

This presentation may contain forward-looking statements (including objectives and trends) about Air Liquide's financial situation, operating results, business activities and strategy.

Although Air Liquide believes that the expectation reflected in such forward-looking statements are reasonable, such statements are not guarantees of future performance. Actual results may differ materially from the forward-looking statements as a result of a number of risks and uncertainties, many of which are outside our control.

Please refer to the most recent Universal Registration Document filed by Air Liquide with the French Autorité des marchés financiers for additional information in relation to such risks and uncertainties.

The information is valid only at the time of writing and Air Liquide does not assume any obligation to update or revise the objectives on the basis of new information or future or other events, subject to applicable regulations.



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Corporation for the study and application of processes developed by Georges Claude with registered capital of 2,602,080,327 euros

