

# Q3 2018 Activity

Continued Strong Growth

Dynamic Business

Development

Paris, 24 October 2018



# 2018 Q3 Activity

Fabienne Lecorvaisier
Executive Vice President &
Chief Financial Officer



# Highlights

- Group comparable sales growth +6.0% in Q3
  - ✓ Top of NEOS expected range
  - ✓ High G&S, improvement in E&C and strong GM&T
- Efficiencies and synergies delivered
- High signings and thriving business opportunities



# Growth at the Top of NEOS Range

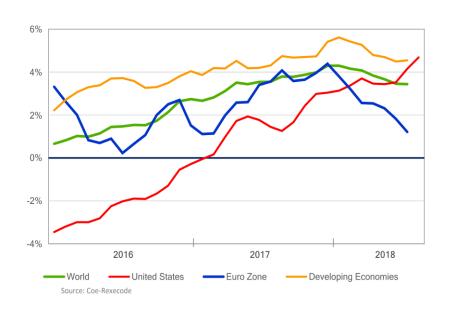
Sales in €m	Q3 17	Q3 18	<b>Q3 18/17</b> Comparable	Q3 18/17 As published	YTD 18 Comparable
Gas & Services	4,787	5,066	+5.2%	+5.8%	+5.1%
Engineering & Construction	<b>7</b> 5	105	+38.9%	+39.0%	+32.9%
Global Markets & Technologies	82	100	+22.7%	+22.1%	+27.1%
Group Total	4,944	5,271	+6.0%	+6.6%	+5.8%

Note: NEOS sales growth objective between +4% and +6% CAGR 2016-2020 and between +6% and +8% including Airgas scope effect in 2017

# Favorable Environment, Softening FX Headwind

## World IP Remaining at High Level

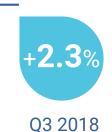
Industrial Production Year on Year in % (3-month rolling average)



## Softer Negative Forex Impact<sup>(1)</sup>



## **Higher Positive Energy impact**

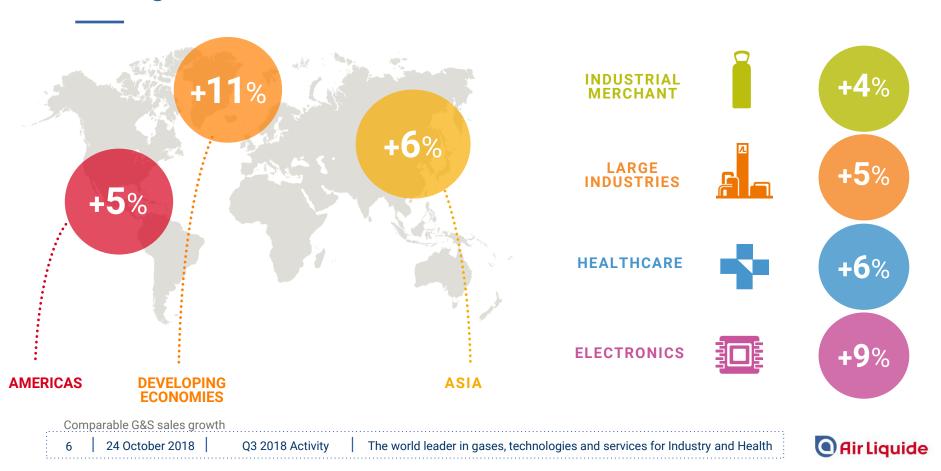




(1) On Group sales



# Strong Global Growth Across All WBLs in Q3



# Base Business Operating at Highest Level

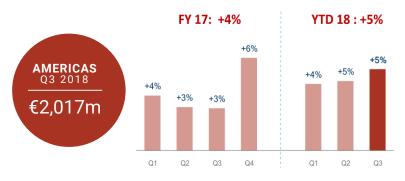
## **G&S Quarterly Growth Analysis**



(1) Comparable growth based on 2016 adjusted sales



## Q3 – High Growth in Americas, Solid Europe





**G&S Comparable Sales Growth** 

## Strong LI growth and very robust IM

- ▲ LI: high demand, OCI start-up
- ▲ IM: broad-based growth in all markets, strong hardgoods and increased pricing
- ▲ Dynamic HC in the U.S. and South America
- ▲ High E&I driving solid EL

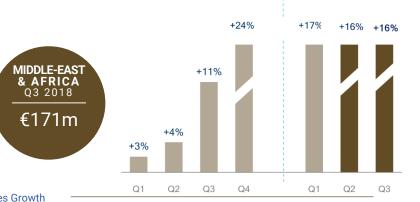
## Solid growth across all WBLs

- ▲ LI: high H<sub>2</sub> volumes in Oil & Gas, takeover in Kazakhstan
- IM: cylinder volumes stable, stronger pricing
- ▲ Very robust HC driven by strong Nordics, high Germany and South Europe
- ▲ Developing Europe: strong activity in all WBLs



# Q3 – Strong Asia, Major RU in South Africa





FY 17: +10%

**G&S Comparable Sales Growth** 

## Very dynamic IM and continued buoyant EL

- LI: lower ramp-ups contribution in China, customer turnarounds
- ▲ IM: strong volumes and pricing in China, improving Australia, flat Japan
- ▲ EL: >+10% growth in Carrier Gases, very high E&I

## Positive impact of major RU

▲ LI: Sasol start-up in South Africa in Q4 17

► IM: solid growth in Egypt, low Africa



YTD 18: +16%

## Q3 – Better Pricing in IM, High Demand in LI







**G&S Comparable Sales Growth** 

## Pursued trends in all geographies



- △ 6<sup>th</sup> quarter of growth >+15% in China
- ▲ Most end markets well oriented
- ▲ Increased pricing +2.9%

## Americas driving growth in Q3



- ▲ **High volumes** of air gases and H₂ in Americas
- A Ramp-up in **South Africa**
- Lower ramp-ups contribution in China



## Q3 – Robust HC, Buoyant EL



## **Sustained organic activity**

## 

## **Above 15% growth in Asia**





# Continued Recovery in E&C, GM&T Supported by Innovation

E&C - Progressive Improvement



Sales YTD 18



Order Intake YTD 18

GM&T - Strong Sales and Order Intake





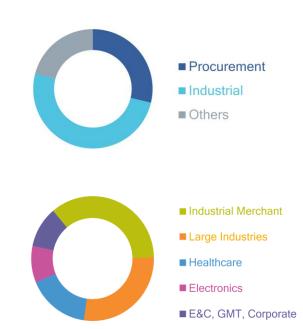
Order Intake YTD 18



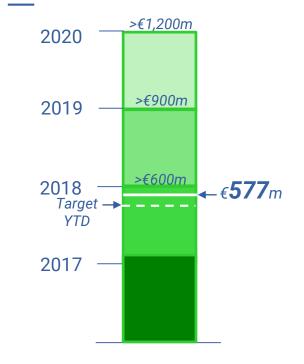
## Efficiencies Above NEOS Target

YTD 2018 Efficiencies



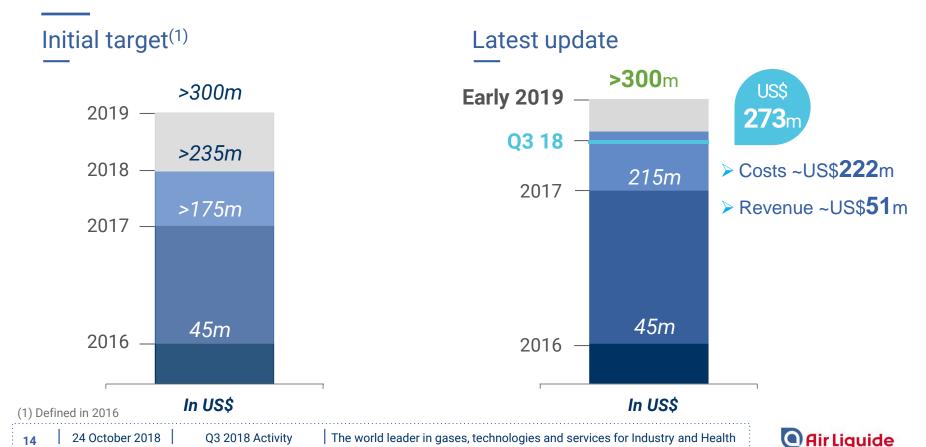


## **NEOS Cumulated Efficiencies**





# Total Airgas Synergies Moved Earlier to Beginning of 2019



# Very Solid Cash Flow, Net Debt Below €14bn

YTD 2018 figures





<sup>(1)</sup> Operating Cash Flow before change in Working Capital Requirements, as of 30 September 2018

<sup>(2)</sup> Adjusted for dividend seasonality

# 2018 Q3 Focus

# Investments and Business Opportunities

Mike Graff

Executive Vice President & Americas Hub

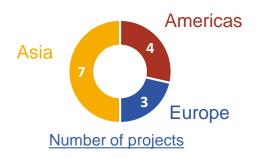


# High Level of Signings

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



## 14 projects above €20m signed YTD



- Very high success rate in AL existing LI basins
  - ~€200m in Gulf Coast
  - ~€80m in Benelux
  - ~€100m in Korea
- new investments
- Leading positions in EL projects with Tier one customers

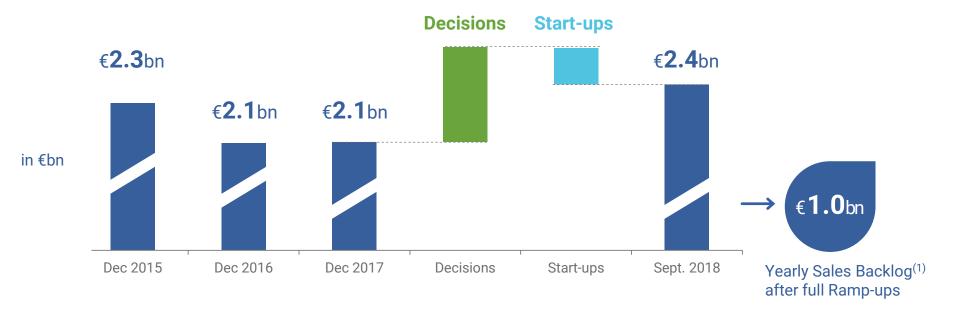
(1) See definitions in appendix

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# Increased Backlog



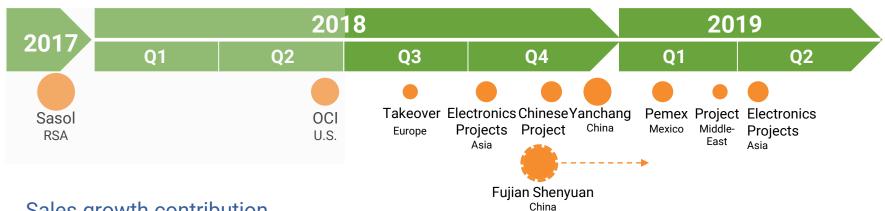
(1) See definitions in appendix

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## **Update on Start-Ups**

## Major start-ups



## Sales growth contribution





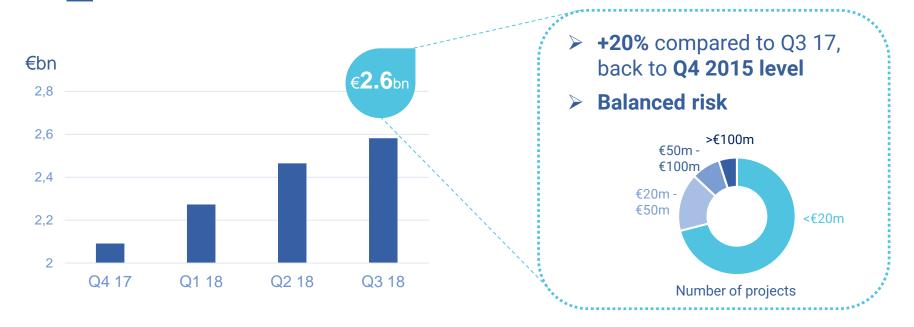
(1) Excluding Fujian Shenyuan

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# Thriving Bidding Activity

Increasing Investment Opportunities<sup>(1)</sup>
12-month portfolio



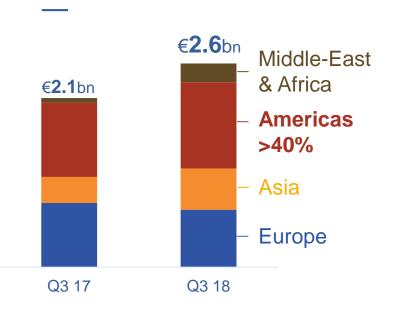
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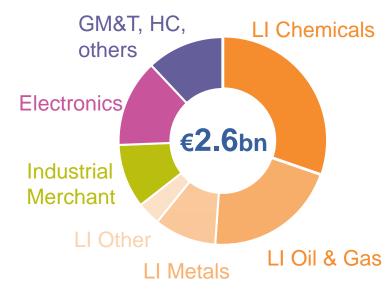
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# Portfolio Well Aligned with Market Trends

12-month portfolio of opportunities<sup>(1)</sup>





## Increased Asia and Middle-East

>50% in Chemicals and Oil & Gas

(1) See definitions in appendix

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## 2018 Outlook

Q3 2018

- Continued strong growth with Group sales up +6%<sup>(1)</sup>
- Performance well on track
- Thriving business opportunities

2018

"Assuming a comparable environment, Air Liquide is confident in its ability to deliver net profit growth in 2018, calculated at constant exchange rate and excluding 2017 exceptionals<sup>(2)</sup>."

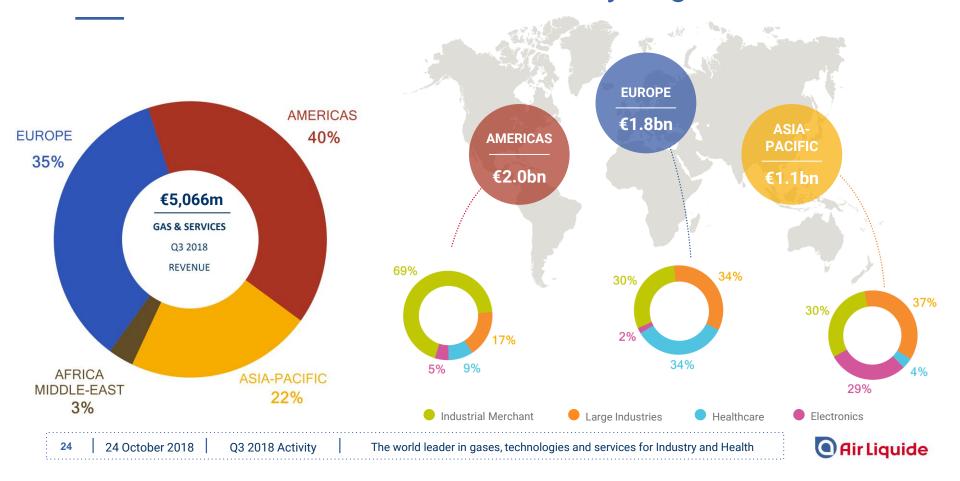
- (1) Comparable sales growth
- (2) Exceptional non-cash items having a net positive impact on 2017 net profit



Q3 2018 Appendix



# Q3 2018 G&S Revenue Breakdown by Region



## **Americas**

## Q3 Gas & Services Sales: €2,017m

#### INDUSTRIAL MERCHANT

- Broad-based growth, particularly in manufacturing, metal fabrication and construction in the U.S.
- Very solid demand for cylinders and hardgoods in the U.S. and Canada
- Increased pricing

#### **LARGE INDUSTRIES**

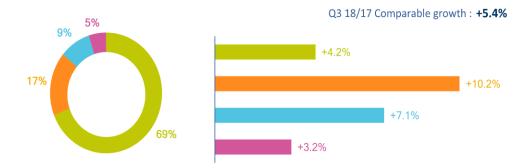
- High volume growth for O<sub>2</sub> and H<sub>2</sub>
- OCI start-up
- Low Q3 2017 due to Hurricane Harvey

#### **HEALTHCARE**

- Strong Medical Gases in the U.S.
- HHC volumes offsetting price pressure in Medical Gases in Canada
- Strong Brazil, Argentina and Columbia

#### **ELECTRONICS**

High E&I sales





# Europe

## Q3 Gas & Services Sales: €1,779m

#### **INDUSTRIAL MERCHANT**

- Sustained growth, especially in France, Germany and Italy
- Dynamic Eastern Europe
- Cylinder volumes stable, unfavorable mix
- Stronger pricing: +1.6%

#### LARGE INDUSTRIES

- Increase in H<sub>2</sub> volumes for Oil & Gas
- Strong growth in Eastern Europe with high demand and a takeover in Kazakhstan
- High Cogen in Benelux

#### **HEALTHCARE**

- Very robust organic growth
- Strong HHC, especially in Scandinavia, with increased number of diabetic patients served
- Continued pricing pressure in Medical Gases
- Dynamic Specialty ingredients







## Asia-Pacific

## Q3 Gas & Services Sales: €1,099m

#### INDUSTRIAL MERCHANT

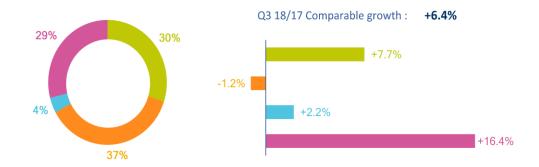
- Buoyant China (>+15%), strong volume increase in cylinders
- Improving Australia
- Stable Japan
- Slightly better pricing: +2.3%

#### **LARGE INDUSTRIES**

- Several customer turnarounds in China and Singapore
- · Less contribution from RU in China
- Solid demand in South Korea (Oil & Gas) and South East Asia (Chemicals)

#### **ELECTRONICS**

- Continued buoyant growth
- >+10% growth in Carrier Gases
- Strong Advanced materials in South Korea, China and Singapore
- Very high E&I sales

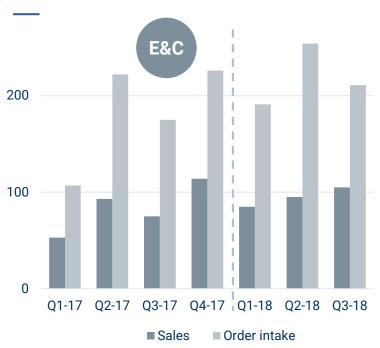


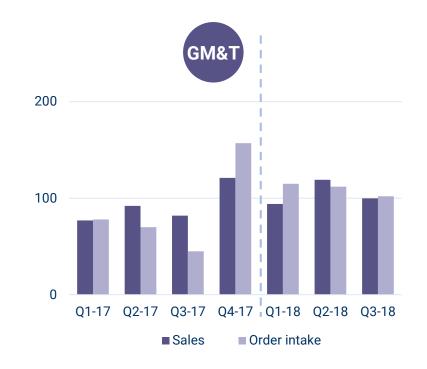




# Progressive Improvement in E&C, Dynamic GM&T

## Sales and Order intake<sup>(1)</sup> – in €m

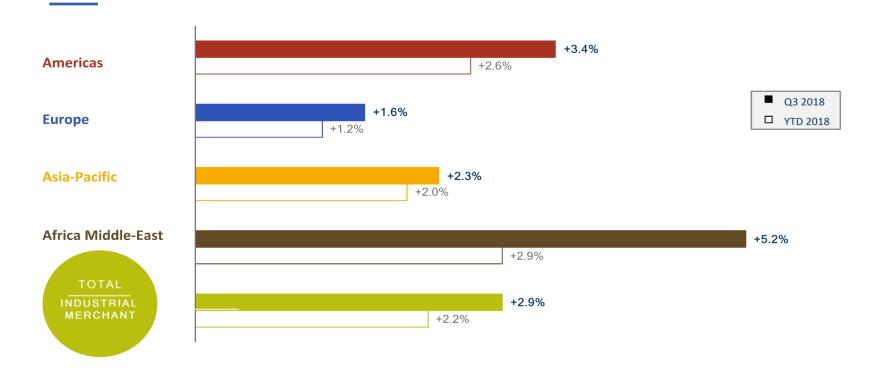




(1) Group and third-party order intake



# **Industrial Merchant Pricing**





# Impact of Currency and Energy on G&S Revenue

Currency	In €m	Q1 17	Q2 17	Q3 17	Q4 17	Q1 18	Q2 18	Q3 18
	€/USD	+64	+49	(89)	(161)	(258)	(147)	+15
	€/CNY	(7)	(8)	(20)	(23)	(26)	(4)	(5)
	€/JP¥	+13	(1)	(34)	(30)	(24)	(17)	+1
	Others	+46	+10	(51)	(59)	(105)	(90)	(72)
	Total currency impact	+116	+50	(194)	(273)	(413)	(258)	(61)
	Average rate	Q1 17	Q2 17	Q3 17	Q4 17	Q1 18	Q2 18	Q3 18
	€/USD	1.07	1.10	1.17	1.18	1.23	1.19	1.16
	€/CNY	7.33	7.55	7.83	7.79	7.81	7.60	7.92
	€/JP¥	121.0	122.2	130.4	132.9	133.1	130.1	129.6
Natural Gas	In €m							
	Natural Gas Impact	+104	+75	+41	+23	(14)	+30	+82
Electricity	In €m							
	Electricity Impact	+25	+17	+9	(0)	(2)	+21	+36

Refer to appendix for definitions

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# Revenue Analysis by Quarter and by Business Line

Sales in €m	Q1 17	Q2 17	Q3 17	Q4 17	Q1 18	Q2 18	Q3 18	Q3 18/17 as published	Q3 18/17 comparable
Large Industries	1,392	1,302	1,286	1,356	1,365	1,353	1,454	+13.0%	+5.4%
Industrial Merchant	2,384	2,373	2,265	2,239	2,208	2,293	2,312	+2.1%	+4.2%
Healthcare	850	840	833	878	850	864	862	+3.4%	+5.7%
Electronics	420	417	403	404	408	428	438	+8.7%	+8.5%
Gas & Services	5,046	4,932	4,787	4,877	4,831	4,938	5,066	+5.8%	+5.2%
Engineering & Construction	53	93	75	114	85	95	105	+39.0%	+38.9%
Global Markets & Technologies	77	92	82	121	94	119	100	+22.1%	+22.7%
Group Total	5,176	5,117	4,944	5,112	5,010	5,152	5,271	+6.6%	+6.0%



# Revenue Analysis by Quarter and by Geography

Sales in €m	Q1 17	Q2 17	Q3 17	Q4 17	Q1 18	Q2 18	Q3 18	Q3 18/17 as published	Q3 18/17 comparable
Americas	2,142	2,109	1,968	1,931	1,901	1,973	2,017	+2.5%	+5.4%
Europe	1,710	1,661	1,657	1,748	1,753	1,711	1,779	+7.3%	+3.1%
Asia-Pacific	1,024	1,008	1,010	1,039	1,016	1,091	1,099	+8.7%	+6.4%
Middle-East, Africa	170	154	152	159	161	163	171	+12.8%	+16.3%
Gas & Services	5,046	4,932	4,787	4,877	4,831	4,938	5,066	+5.8%	+5.2%
Engineering & Construction	53	93	75	114	85	95	105	+39.0%	+38.9%
Global Markets & Technologies	77	92	82	121	94	119	100	+22.1%	+22.7%
Group Total	5,176	5,117	4,944	5,112	5,010	5,152	5,271	+6.6%	+6.0%



# G&S Revenue Growth by Quarter and by Impact

	Growth as published	Natural Gas	Electricity	Currency	Significant perimeter	Comparable growth
Q1 2017	+42.2%	+2.2%	+0.6%	+2.5%	N/A	+2.8%
Q2 2017	+21.2%	+1.6%	+0.4%	+1.1%	N/A	+2.7%
Q3 2017	+0.1%	+0.8%	+0.2%	-4.1%	N/A	+4.0%
Q4 2017	-1.1%	+0.5%	+0.0%	-5.6%	-0.4%	+4.4%
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%



## 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.

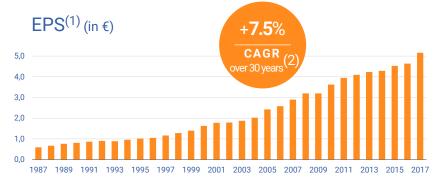
## Decisions of the period

- 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









(1) 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. (2) Calculated according to prevailing accounting rules over 30 years.



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