

*Autumn Conference 2017  
KeplerCheuvreux  
Paris, 14 September 2017*

*Key elements from July 2017 Capital Markets Day  
Second quarter 2017 results and 2017 outlook*

**ARKEMA**  
INNOVATIVE CHEMISTRY

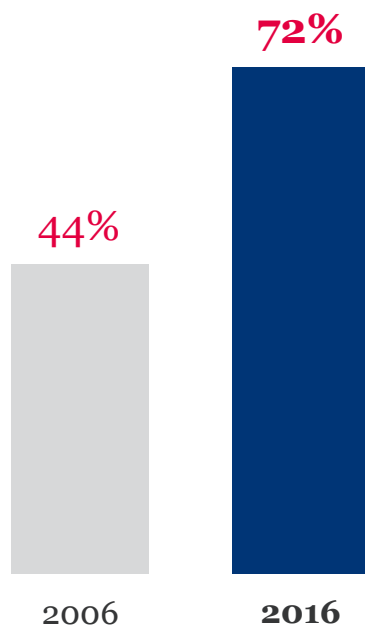


*Key elements from July 2017 Capital Markets Day*

## A strong track record...

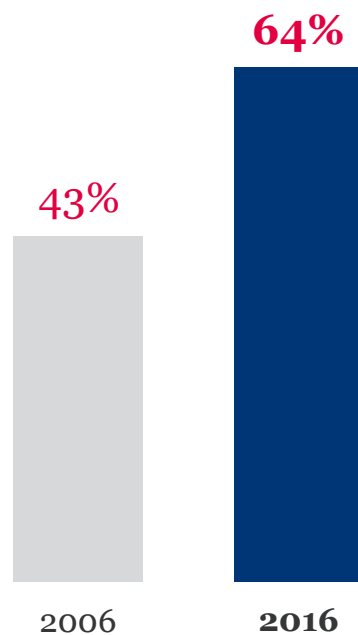
### Share of specialties

In % of sales



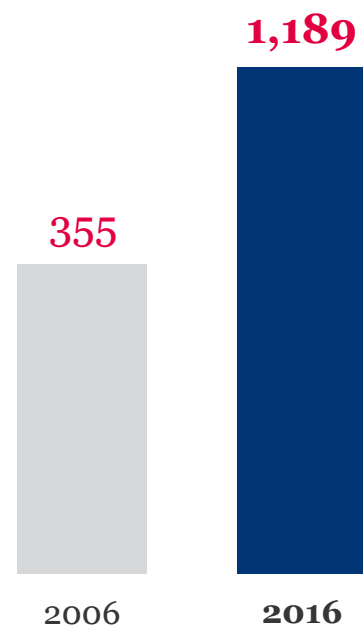
### Sales outside Europe

In % of sales



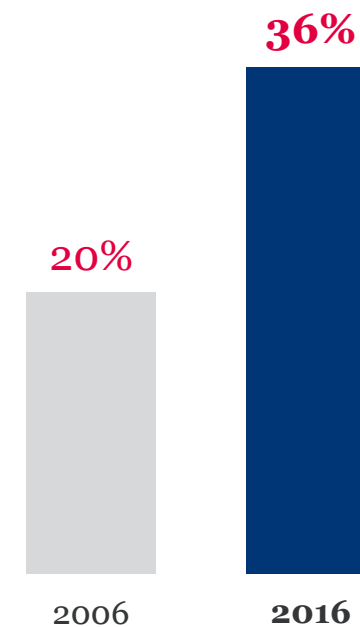
### EBITDA

In €m

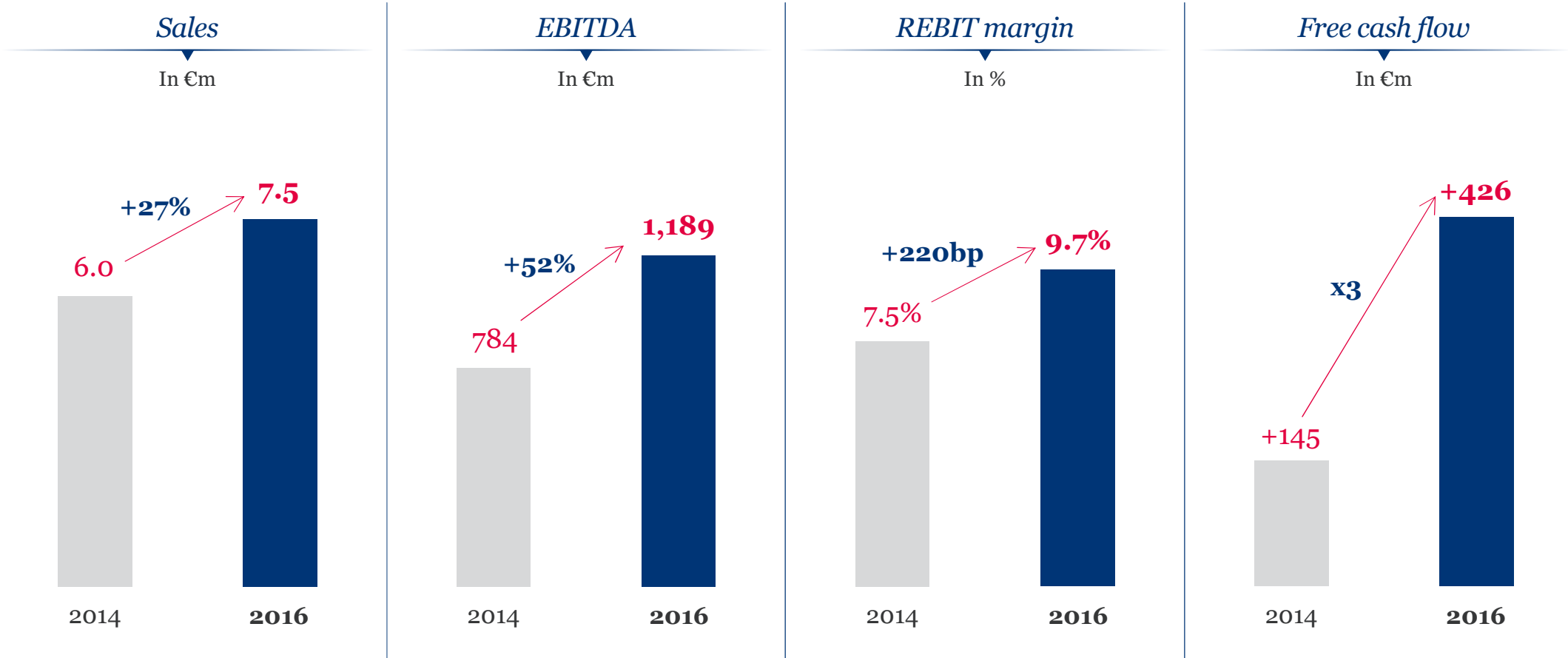


### Free cash flow

In % of EBITDA



... including a significant step-up in financials



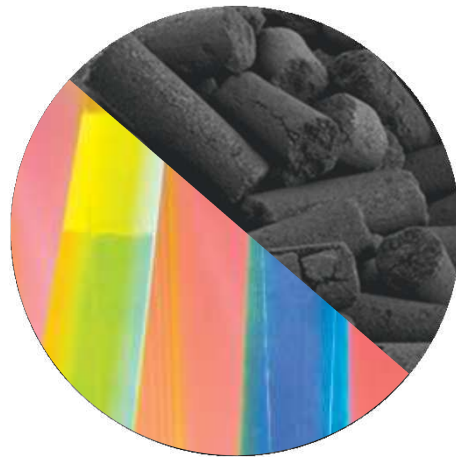
## Significant achievements since last Capital Markets Day...



*New step in the attractive adhesives and sealants market*



Development of Bostik and acquisition of Den Braver



*Further streamlining of the portfolio*



Divestments of activated carbons and filter aids, of oxo-alcohols and of Sunclear



*Expansion in PVDF Kynar®*



+25% production capacity at Changshu in China



*Globalization of the Thiochemicals footprint*



Start and successful ramp-up of the €200 m Thiochemicals complex in Malaysia

## *Main levers of transformation*

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### *Organic growth*

Innovation, partnerships  
and geographic expansion

### *Portfolio management*

**€3.7 bn** sales acquired  
**€2.2 bn** sales divested

### *Productivity plans*

Offset **1/2** to **2/3** of inflation  
on fixed costs

### *Lower capital intensity*

**5.6%** of sales in 2016  
versus **8%** at peak

### *Reduction of working capital*

**14.5%** in 2016  
versus **23%** in 2006

# Arkema at a glance (2016)



**€7.5 bn** sales



**19,700** employees



Present in **50 countries**



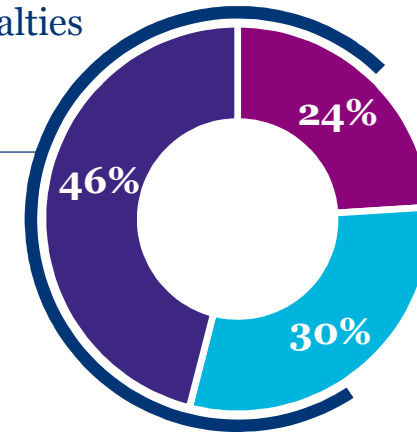
**133** industrial sites



**€222 m** R&D spending

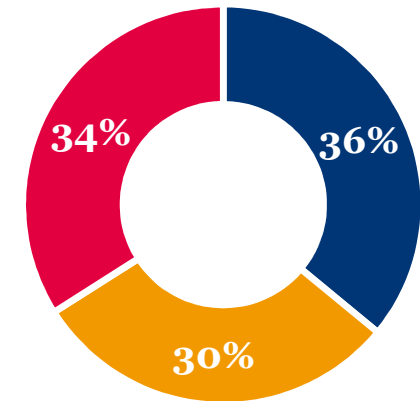
## A strong portfolio of businesses

Specialties  
72%



- High Performance Materials  
*25% Advanced Materials*  
*21% Adhesives*
- Coating Solutions
- Industrial Specialties

## A global and balanced footprint



- Europe
- North America
- Asia and RoW

# Our portfolio of businesses

## High Performance Materials



**Advanced Materials**

**Adhesives**

High value added niches

Well-known brands

Innovation supported by megatrends

Co-developments with customers

## Industrial Specialties



**Fluorogases**  
*Upstream of PVDF*  
**PMMA**  
*Engineering plastic*  
**Thiochemicals**  
**H<sub>2</sub>O<sub>2</sub>**

Integrated intermediate chains

Global leading positions

Complex and proprietary manufacturing processes and technologies

World-scale and competitive plants

## Coating Solutions



**Acrylic Monomers**  
*Upstream of Performance Coatings*  
**Performance Coatings**

Extensive offering to coating customers

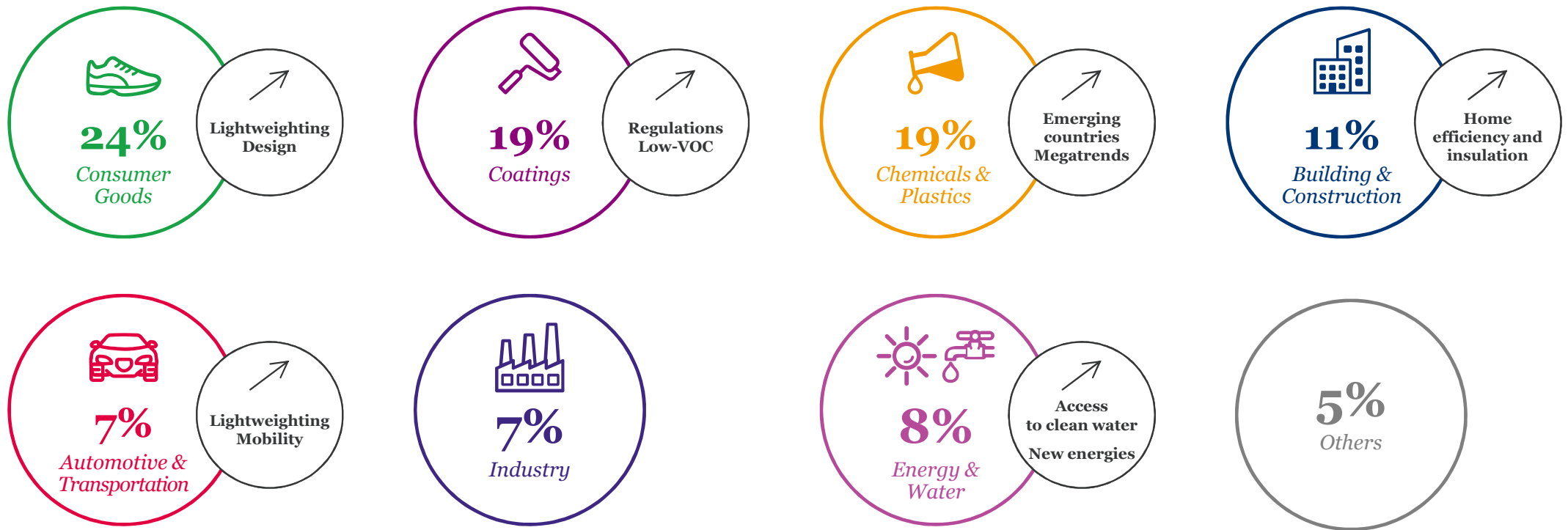
Competitive and global acrylic acid backbone

Eco-friendly solutions

Downstream integration reinforces resilience



## 2016 sales by end markets



*Diversity of end markets offers resilience and growth*

## Leading positions on all key product lines

Rank

Business Lines

Main peers

#3

**Bostik** (adhesives and sealants)

Henkel, Sika, H.B. Fuller

#1

**Specialty Polyamides**

Evonik, Ems-Chemie, Ube

#1

**PVDF** (fluoropolymers)

Solvay, Kureha

#1

**Sartomer** (UV curing resins)

Allnex, Miwon

#1

**Thiochemicals**

Chevron Phillips

#2

**MMA / PMMA**

Mitsubishi Rayon, Evonik, Sumitomo

#3

**Fluorogases**

Honeywell, Chemours, Mexichem

#2

**Acrylic Monomers**

BASF, Dow, Nippon Shokubai

#3

**Performance Coatings**

BASF, Allnex, Dow

● High Performance Materials

● Industrial Specialties

● Coating Solutions

## *Our vision*

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***A global specialty chemical group** strongly focused on adhesives and advanced materials, fostering customers innovation in megatrends and sustainability, and delivering best-in-class financial, operational and CSR performance.*

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## Long-term financial objectives (2023)

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*REBIT margin*  
**11.5% to 12.5%**

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*EBITDA to free cash conversion*  
**35%**

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### *Under strict financial discipline*



*ROCE*  
**at least 10%**



*Net debt*  
**<2x EBITDA**



*Rating*  
**Solid investment grade**

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Defined in normalized market conditions and under current IFRS rules

## *Maintain disciplined capital allocation policy*

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### *Organic growth*

***Support development  
of main growth pillars***

Targeted capex

### *M&A*

***Reinforce  
current portfolio***

Bolt-on acquisitions with  
significant synergies and divestments  
of small non-core businesses

### *Dividend*

***A key element of  
shareholder return policy***

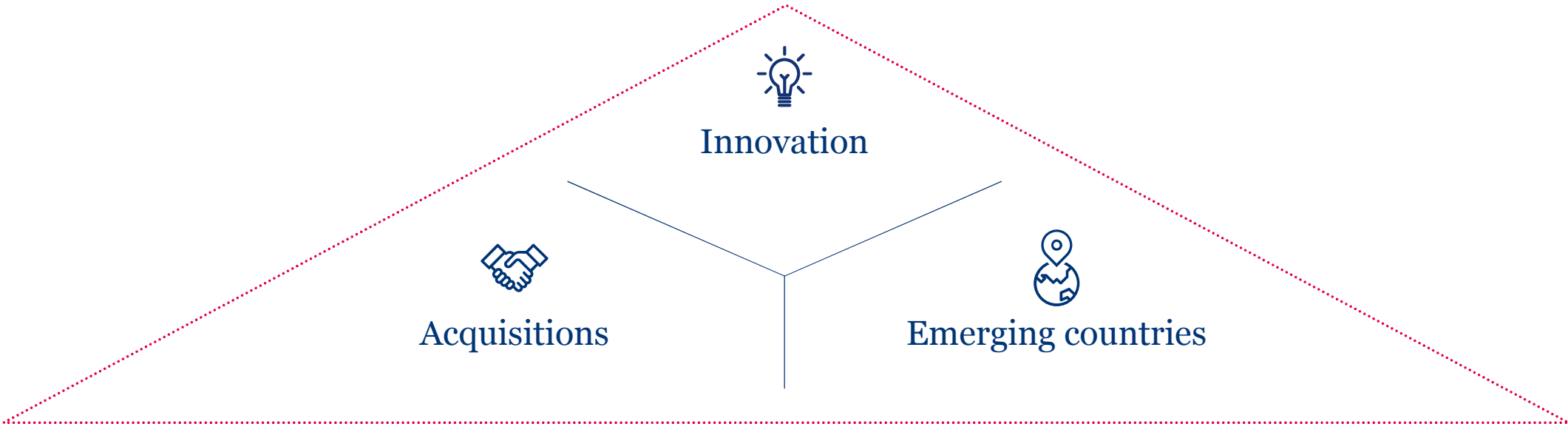
Stable to growing  
dividend every year

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***With net debt to EBITDA < 2x***

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# Our strategic priorities



**Commercial excellence**



**Operational excellence**

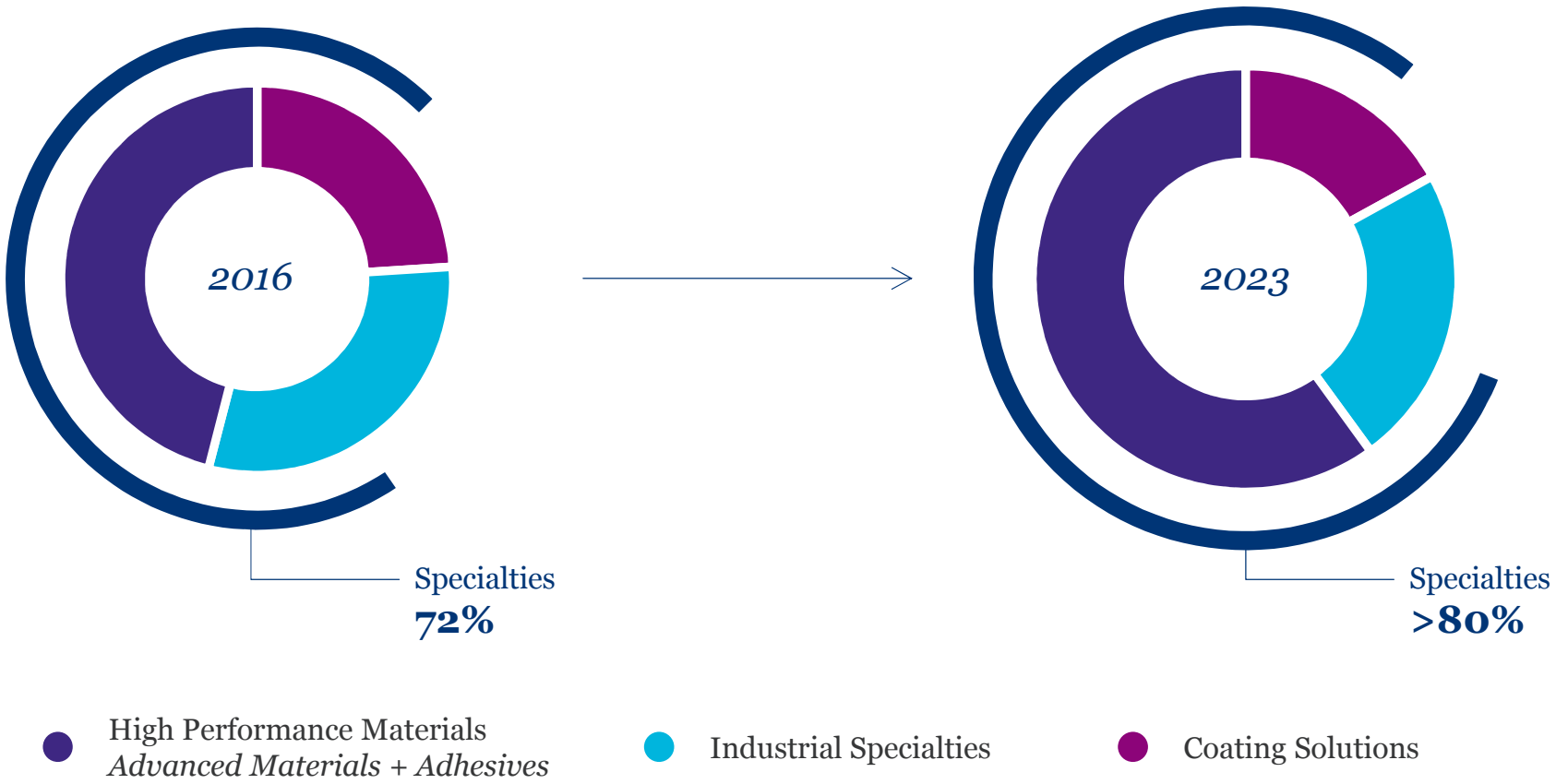


**Corporate social responsibility**



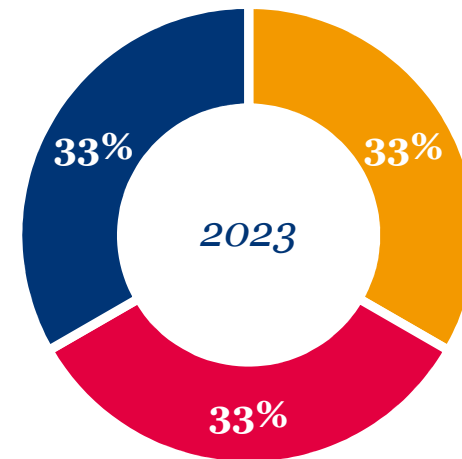
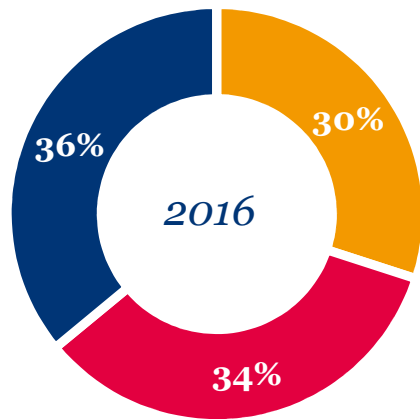
**Digitalization**

# Accelerate growth of Advanced Materials and Adhesives



## Reinforce footprint in higher growth countries

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● Europe

● North America

● Asia and RoW



## *3 major growth pillars*

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*Adhesives*



*Advanced Materials*



*Thiochemicals*

## *A wave of significant projects supporting our objectives*



### **Adhesives**

- > Further organic growth and cost optimization of **Bostik** “legacy”
- > Development of **Den Braven** and **CMP** including implementation of synergies with Bostik
- > Further participate in market consolidation with **bolt-on acquisitions**

★ **Announced today**



### **Advanced Materials**

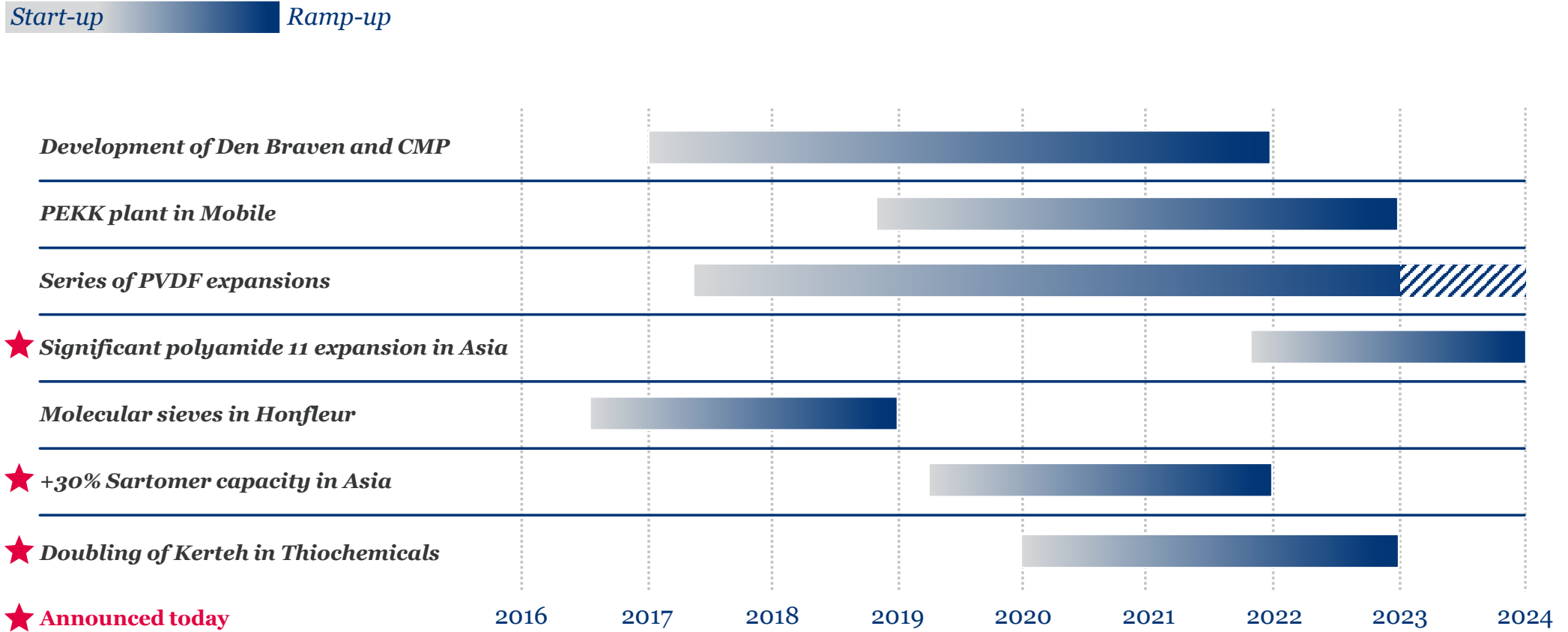
- > Build and start the **PEKK plant in Mobile** (Alabama, USA)
- > Continuously expand our **PVDF capacities** in the 3 regions consistently with our current investment in Changshu (China)
- ★ Expand significantly the bio-based **polyamide 11 chain in Asia (+50% WW)**
- > Leverage the recent expansion of the **molecular sieves plant at Honfleur** (France)
- ★ Expand by **30% Sartomer production capacity in Nansha** (China)



### **Thiochemicals**

- ★ Double site capacity at **Kerteh** (Malaysia)
- > Advanced thoughts underway on a project to double site capacity at **Beaumont**
- > Accelerate development of our **Careflex®** and **Odorflex®** solutions in petrochemicals and refining

## Planned calendar of these projects



# Adhesives

## *Market*

**Fragmented** market and ongoing **consolidation** by the leaders

Barriers to entry, **resilience** and low capital intensity

**Substitution** of mechanical fasteners by adhesives

Increasing needs for **home efficiency and insulation**

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## *Arkema / Bostik*

**Participate** in the consolidation of the market

**Focused growth** in core segments and high value niches

**R&D efforts** increased by **30%** to foster innovation

Synergies with **Arkema's Advanced Materials**



## Adhesives long-term ambition

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- > Exceed **1/3** of Group sales
- > **More than double** sales versus 2016  
*in completing GDP+ organic growth by  
an ambitious bolt-on acquisition program*
- > **12.5%** to **13%** REBIT margin
- > Maintain capex level below **3%** of sales

# Advanced Materials

## Market

**Consolidated market** with limited number of players  
 Significant opportunities **from megatrends**  
*Lightweighting, clean water, new energies, 3D printing*

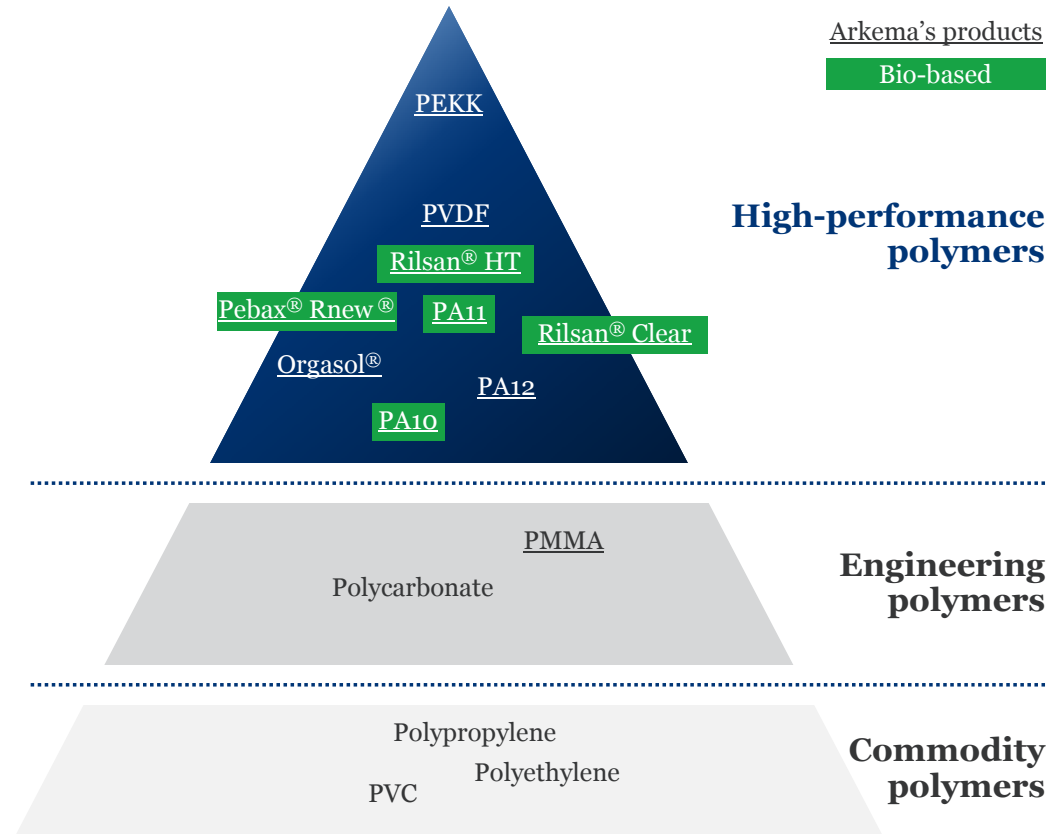
## Arkema

**Unique technology-driven portfolio**  
 supporting high-value applications

Unique **bio-based** positioning  
**Well recognized brands**

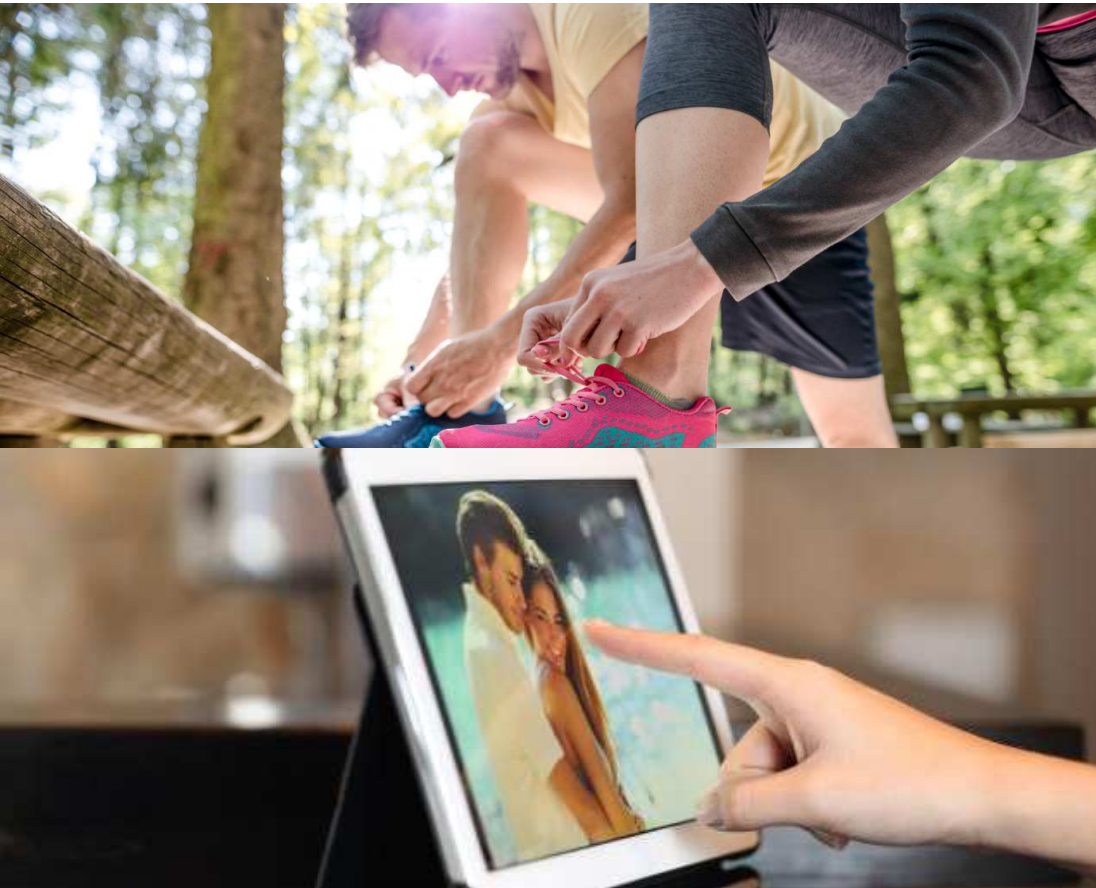


## Ranking of polymers pricing and performance



## Advanced Materials long-term ambition

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- > Exceed **25%** of Group sales
- > **14%** to **15%** REBIT margin
- > Support long-term growth of bio-based polyamide 11 with **~€300 m** exceptional capex in Asia
- > R&D expenses at **4%** of sales, up to 8% in certain applications

# Targeting excellence is our driver

## Commercial excellence

Accelerate our long-term growth

Program to be launched at the  
2017 worldwide Senior Management convention

Key account management

Geographic expansion

End-market expertise

Place our customers at the heart of our digital strategy

Transversal innovation across businesses

## Operational excellence

Objective: €30 m to €40 m gain /year

To offset at least 1/2 of inflation on fixed costs



People quality  
and commitment



Safety  
and environment



Manufacturing  
excellence  
Competitiveness,  
reliability, quality



“Next Gen” manufacturing  
footprint with digitalization



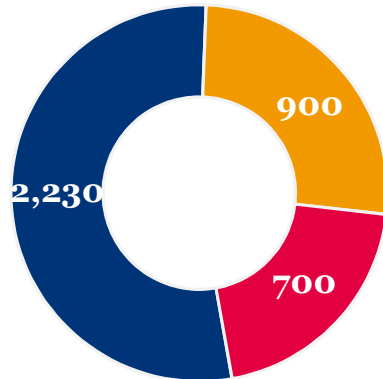
Supply chain  
streamlining



## A strong and balanced debt structure

**€3.8 bn** of financial resources

In €m

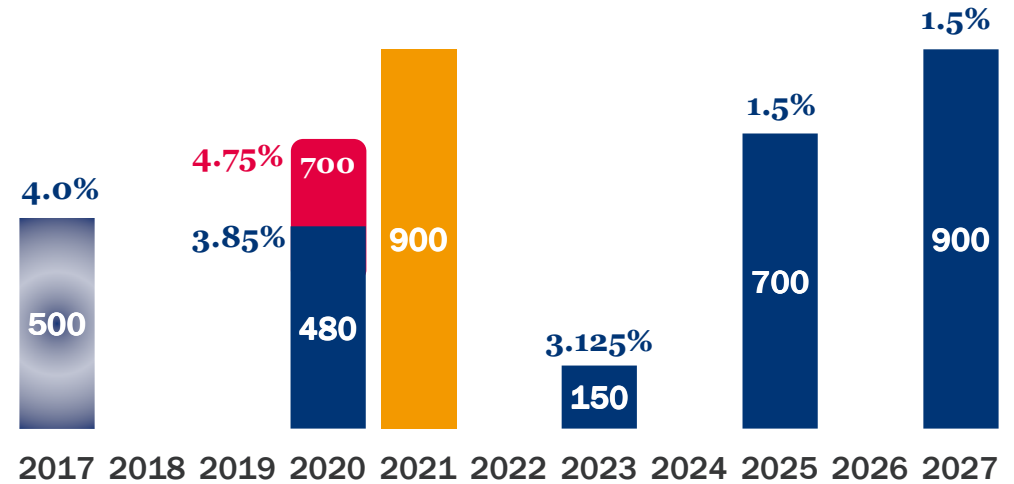


● Mid- and LT bonds\* ● Credit line ● Hybrid bond

\* Excluding €500 m bond maturing in October 2017

**€2.6 bn** of financial resources with maturity beyond 3 years

In €m



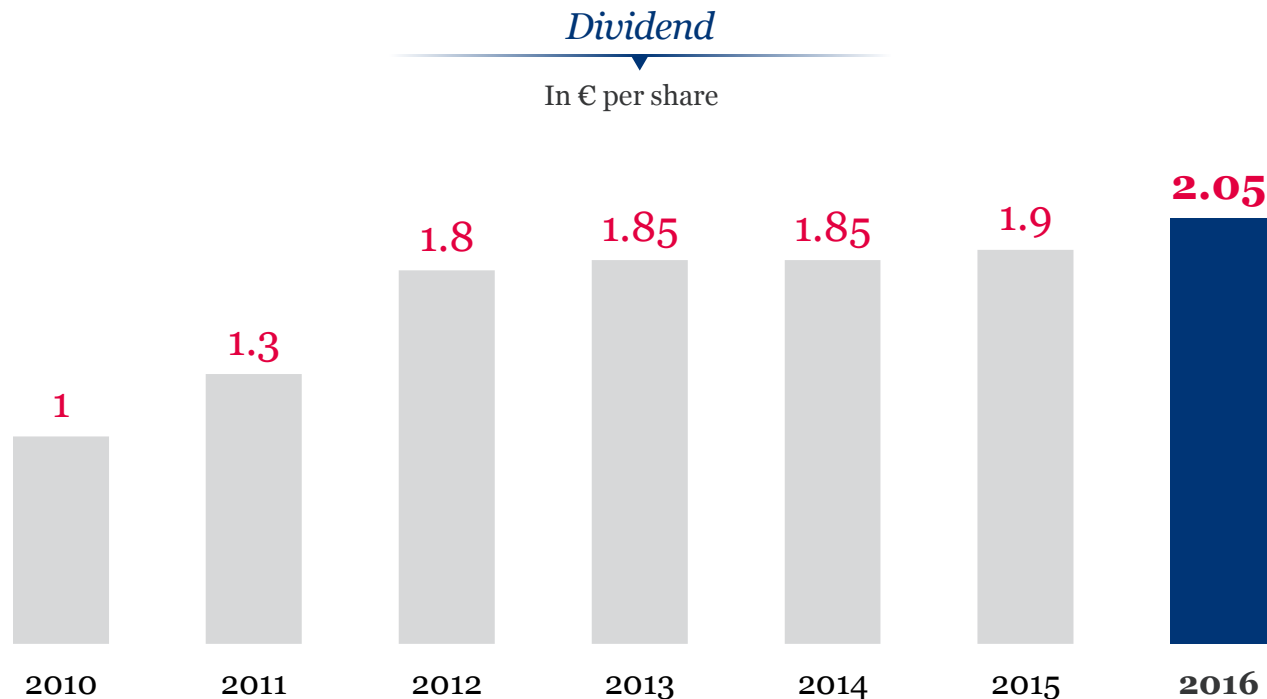
● Senior bonds ● Credit line ● Hybrid bond

**€900m** bond issued in 2Q'17 at **1.50% / year**

Cash cost of senior bonds **€47 m** (versus **€54 m** previously)

Cash cost of hybrid bond **€33 m**

## Dividend policy



- > Arkema confirms its policy aiming to pay a stable to growing dividend each year
- > The dividend has grown at **13%** per year on average since 2010
- > **37%** payout in 2016

*A key element of shareholder return*



*Second quarter 2017 results and 2017 outlook*

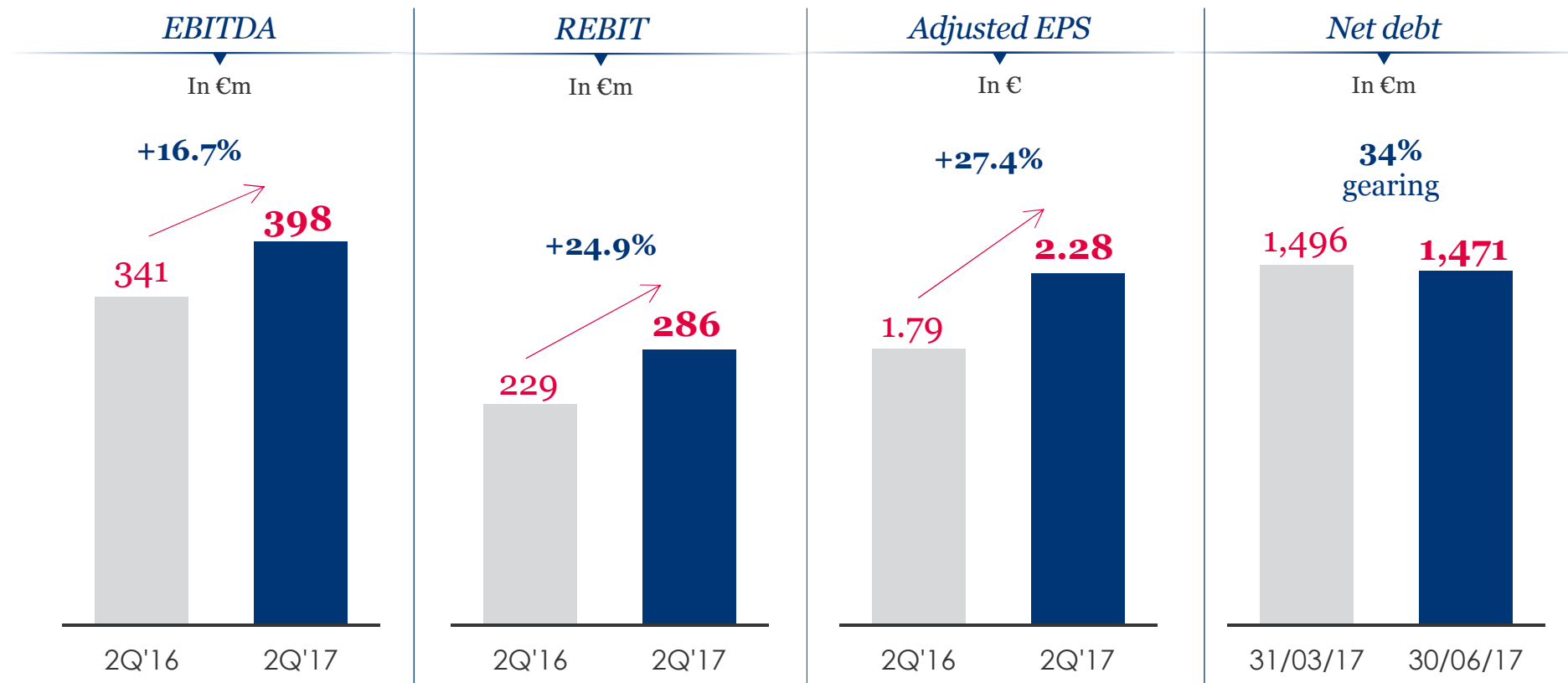
## 2Q'17 key take-aways

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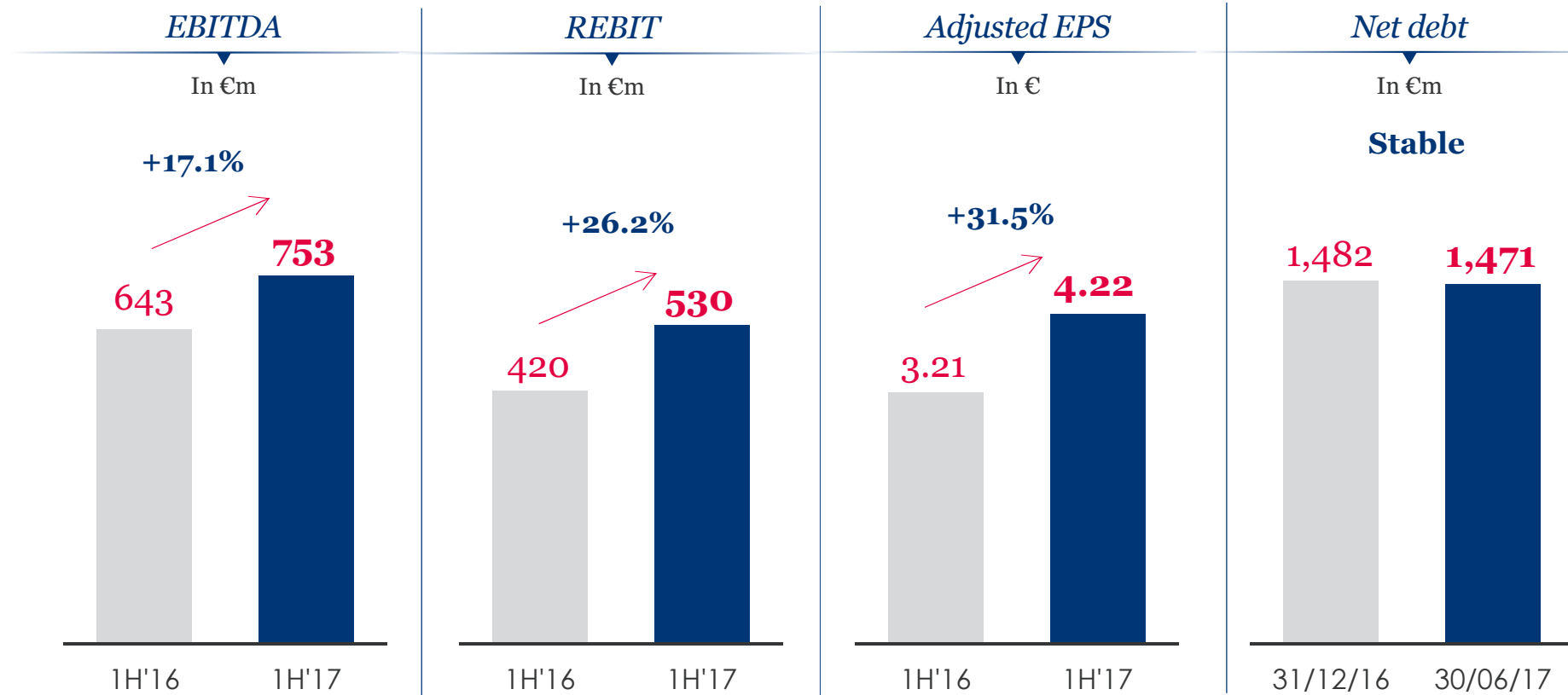
<b>€2,198 m</b> sales	<ul style="list-style-type: none"><li>✦ +12.6% up YoY</li><li>✦ +8.9% at constant scope and FX</li></ul>
<b>€398 m</b> EBITDA	<ul style="list-style-type: none"><li>✦ +17% up on strong 2Q'16 (€341 m)</li><li>✦ An all time high in a quarter</li></ul>
<b>18.1%</b> EBITDA margin	<ul style="list-style-type: none"><li>✦ 17.5% in 2Q'16</li><li>✦ Confirms Group's ability to adapt to a rising raw materials context</li></ul>
<b>€172 m</b> adjusted net income	<ul style="list-style-type: none"><li>✦ +28% up YoY</li><li>✦ <b>€2.28</b> adjusted EPS</li></ul>
<b>€1,471 m</b> net debt	<ul style="list-style-type: none"><li>✦ Excellent cash generation with +<b>€158 m</b> free cash flow</li><li>✦ Net debt slightly down vs 31 March 2017 despite €155 m dividend payment in May</li><li>✦ <b>34%</b> gearing</li><li>✦ €900 m bond issued in 2Q'17 with a ten-year maturity at a coupon of 1.50%</li></ul>

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## Excellent year-on-year quarterly performance

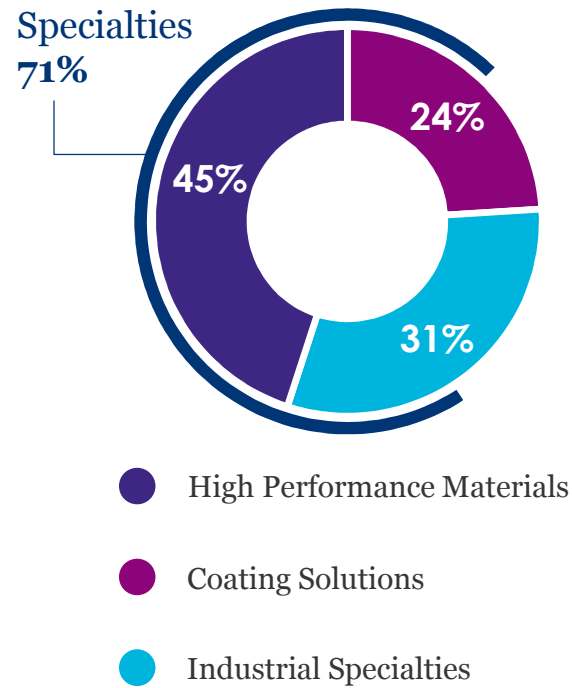


## A very significant growth in first half 2017

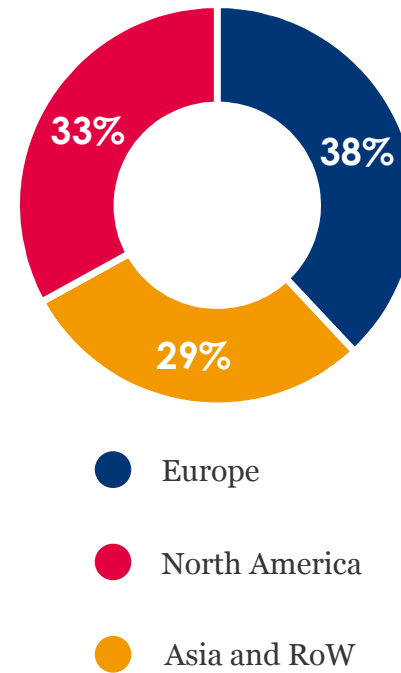


## Breakdown by segment and region

1H'17 sales by segment



1H'17 sales by region



## 2Q'17 key figures

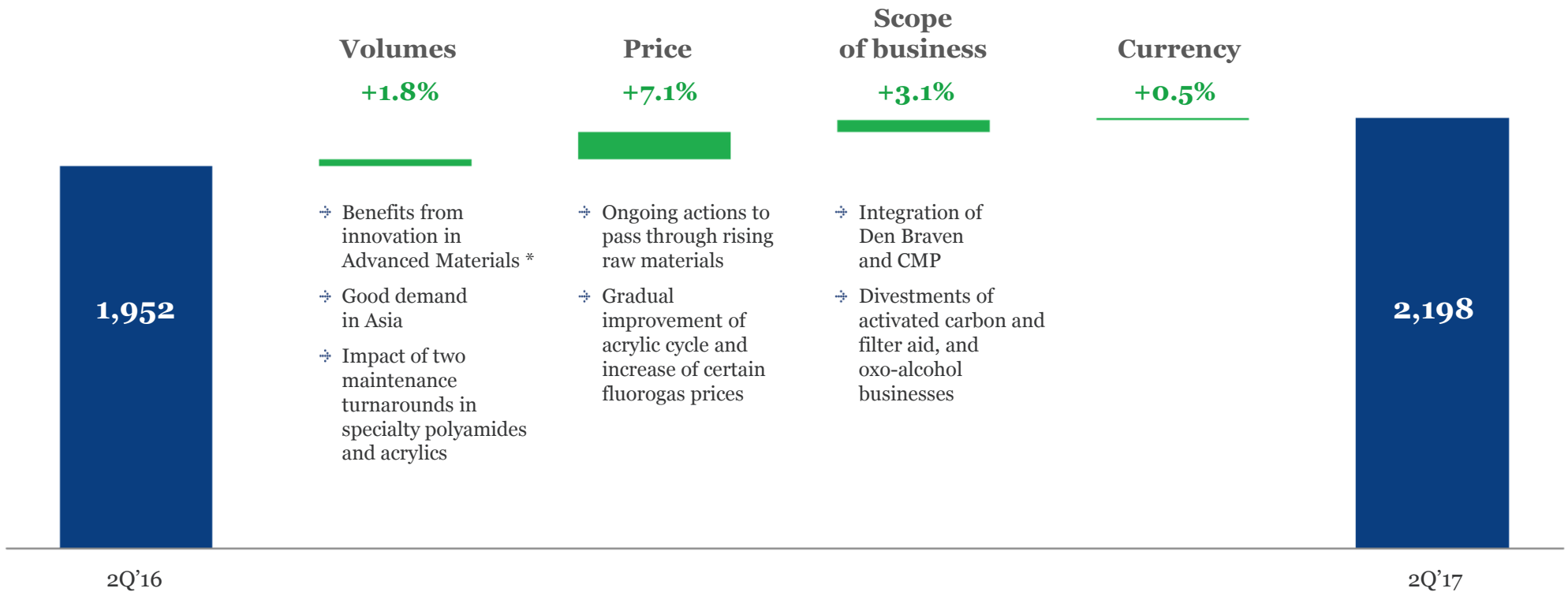
In €m (except EPS)	2Q'16	2Q'17	CHANGE
<b>Sales</b>	1,952	<b>2,198</b>	+12.6%
<b>EBITDA</b>	341	<b>398</b>	+16.7%
<b>EBITDA margin</b>	17.5%	<b>18.1%</b>	
<b>Recurring operating income (REBIT)</b>	229	<b>286</b>	+24.9%
<b>REBIT margin</b>	11.7%	<b>13.0%</b>	
<b>Adjusted net income</b>	134	<b>172</b>	+28.4%
<b>Net income – Group share</b>	147	<b>160</b>	+8.8%
<b>Adjusted EPS (in euros)</b>	1.79	<b>2.28</b>	+27.4%



## 2Q'17 sales bridge

### Sales

In €m



\* Advanced Materials include two Business Lines: Technical Polymers and Performance Additives

## High Performance Materials

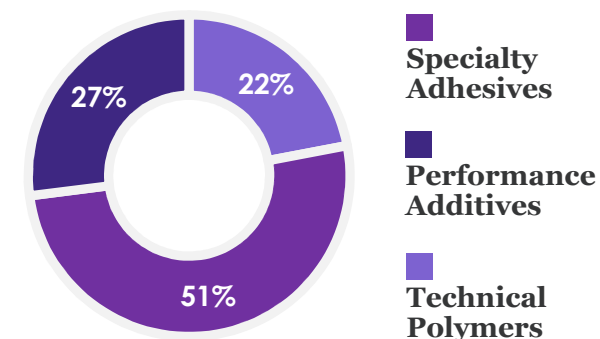
### 2Q'17 key figures

In €m	2Q'16	2Q'17	Change
Sales	879	990	+12.6%
EBITDA	165	174	+5.5%
EBITDA margin	18.8%	17.6%	
Rec. operating income	125	135	+8.0%

### 2Q'17 sales development

Volumes	+2.9%
Prices	+2.2%
Currency	(0.1)%
Scope	+7.7%

### 2Q'17 sales by Business Line



### 2Q'17 highlights

- ✦ **Volumes up +2.9% driven by innovation and good demand in Asia, in particular in Technical Polymers**
- ✦ **+7.7% sales impact from M&A reflecting Den Braven and CMP acquisitions and the divestment of the activated carbon and filter aid business**
- ✦ **EBITDA up +5.5% YoY despite higher raw materials and large maintenance turnaround in specialty polyamides in France**
  - Good volume momentum in Advanced Materials supported by:
    - the benefits from successful developments in lightweight materials and new energies in Technical Polymers
    - the ramp-up of the new specialty molecular sieves unit in Honfleur (France)
  - Growth in Specialty Adhesives supported notably by Den Braven integration
- ✦ **17.6% EBITDA margin in 2Q'17 remaining at high level**
  - In Specialty Adhesives, EBITDA margin over the 1<sup>st</sup> half of the year resisted well at 13.3% (13.8% in 1H'16)

# Industrial Specialties

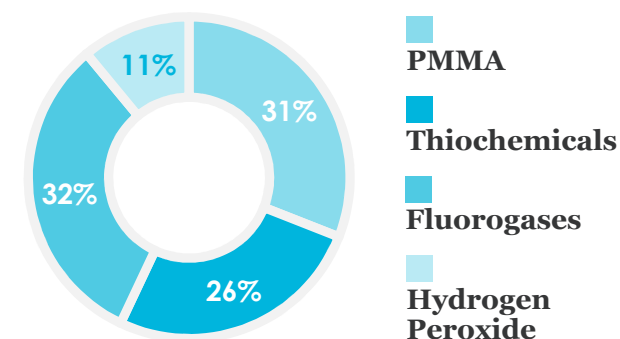
## 2Q'17 key figures

In €m	2Q'16	2Q'17	Change
Sales	609	701	+15.1%
EBITDA	134	176	+31.3%
EBITDA margin	22.0%	25.1%	
Rec. operating income	92	131	+42.4%

## 2Q'17 sales development

Volumes	+4.5%
Prices	+9.5%
Currency	+1.2%
Scope	-

## 2Q'17 sales by Business Line



## 2Q'17 highlights

- ✦ Sales up +14.0% at constant scope of business and FX driven by positive contribution from volumes and prices
- ✦ EBITDA strongly up +31.3% YoY
  - Fluorogases back to high levels of profitability
    - The Group should by end of 2017 achieve the target it had set itself for 2018 to improve this business' EBITDA by €100 m compared to 2014
  - Continued very good market conditions in MMA/PMMA
  - Solid contribution of Thiochemicals and Hydrogen Peroxide
- ✦ 25.1% EBITDA margin at historically high levels

## Coating Solutions

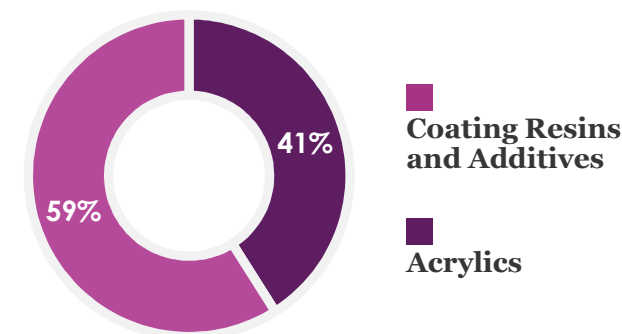
### 2Q'17 key figures

In €m	2Q'16	2Q'17	Change
Sales	457	499	+9.2%
EBITDA	63	64	+1.6%
EBITDA margin	13.8%	12.8%	
Rec. operating income	34	36	+5.9%

### 2Q'17 sales development

Volumes	(4.0)%
Prices	+13.6%
Currency	+0.9%
Scope	(1.4)%

### 2Q'17 sales by Business Line



### 2Q'17 highlights

#### ✦ Sales up +9.6% at constant FX and scope of business (divestment of oxo-alcohol business early March 2017)

- +13.6% price effect reflecting gradually improving acrylic cycle and actions to pass through higher raw material costs throughout the chain
- Volumes reflecting maintenance turnaround at Clear Lake (US) in Acrylics and stock adjustments at some customers in paints and coatings

#### ✦ EBITDA slightly up YoY at €64 m

- In line with Group's assumptions, confirmation of the gradual improvement in acrylic monomers unit margins compared to the low levels of 2Q'16
- Performance of acrylic downstream activities temporarily impacted by higher input costs, including acrylic acid

## 2Q'17 cash flow

In €m	2Q'17	
<b>EBITDA</b>	<b>398</b>	
Change in working capital <sup>(1)</sup>	(42)	• Reflects the usual seasonality of working capital and higher sales price
Change in fixed assets payables <sup>(1)</sup>	(2)	• 15.5% working capital over annualized sales ratio versus 17.2% end of June 2017 <sup>(2)</sup>
Current taxes	(81)	
Cost of debt	(24)	
Capital expenditure <sup>(3)</sup>	(83)	• 2017e capex: close to €450 m
Others	(2)	
<b>RECURRING CASH FLOW</b>	<b>164</b>	
Non-recurring items in operating and investing cash flow	(6)	• Mainly restructuring expenses
<b>FREE CASH FLOW</b>	<b>158</b>	
Impact of portfolio management	(22)	• Including CMP business acquisition in Specialty Adhesives
<b>NET CASH FLOW</b>	<b>136</b>	

<sup>(1)</sup> Excluding non-recurring items and impact of portfolio management

<sup>(2)</sup> Excluding in 2016 fixed asset payable related to the transfer of a 3<sup>rd</sup> acrylic acid production line to Taixing Sunke Chemicals

<sup>(3)</sup> Excluding capex relating to portfolio management

## *2017 outlook*

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### **Focus on internal drivers**

- Growth in adhesives and integration of Den Braven
- Innovation in Advanced Materials and downstream acrylics
- Better prices in Fluorogases
- Arkema will continue to ensure that higher cost of certain raw materials is reflected in its selling prices
- Operational excellence initiatives to offset part of the inflation on fixed costs

**The performance of the 1<sup>st</sup> half of the year leads the Group to upgrade its initial EBITDA objective for 2017**

**Arkema now anticipates to exceed €1.3 bn EBITDA and achieve between €1,310 m and €1,350 m EBITDA for the full year**

## *DISCLAIMER*

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The information disclosed in this document may contain forward-looking statements with respect to the financial condition, results of operations, business and strategy of Arkema. Such statements are based on management's current views and assumptions that could ultimately prove inaccurate and are subject to material risk factors such as among others, changes in raw material prices, currency fluctuations, implementation pace of cost-reduction projects and changes in general economic and business conditions. These risk factors are further developed in the reference document.

Arkema does not assume any liability to update such forward-looking statements whether as a result of any new information or any unexpected event or otherwise.

Further information on factors which could affect Arkema's financial results is provided in the documents filed with the French *Autorité des marchés financiers*.

Financial information since 2005 is extracted from the consolidated financial statements of Arkema. Quarterly financial information is not audited.

The business segment information is presented in accordance with Arkema's internal reporting system used by the management.

The main performance indicators used by the Group are defined in the notes to the consolidated financial statements at 31 December 2016 included in section 4.3.3. of the 2016 Reference Document and in the press release. As part of the analysis of its results or to define its objectives, the Group also uses the following indicators:

**REBIT margin:** corresponds to the recurring operating income (REBIT) as a percentage of sales.

**Free cash flow:** corresponds to cash flow from operations and investments excluding the impact of portfolio management.

**Exceptional capex:** corresponds to exceptional investments which are unusual in size or nature.

**EBITDA to free cash conversion:** corresponds to the ratio of EBITDA on the free cash flow excluding exceptional capex. Free cash flow will be restated to offset the impact of the raw material environment on changes in working capital.

**Return on capital employed:** corresponds to the ratio of:  $(\text{REBIT} - \text{current income taxes}) / (\text{net debt} + \text{shareholders' equity})$  under current IFRS rules.