

Evonik
Power to create.

Company presentation

December 2016

CREATE THE EXCEPTIONAL.



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2. Acquisition of Air Products Performance Materials
3. Financials Q3 2016
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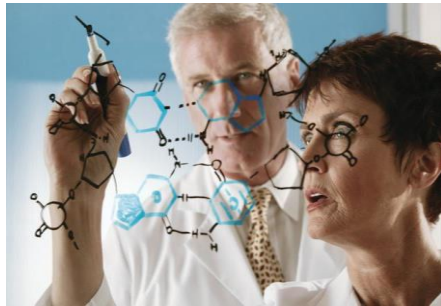
Leading in Specialty Chemicals

Market leader



Leading market positions in
80%
of our businesses¹

Customer proximity



Strong customer intimacy and tailor-made solutions with
almost 90%
of direct sales

Value proposition



Most products with
small volume
but **big impact**
in customers' end products

Innovation power



~500
R&D projects
driving future sales potential

Growth profile



Average
volume growth
from 2010 until 2015
more than 4%
in our growth segments²

1. Sales with top 1-3 market position by sales, production volume or capacity (depending on available data) | 2. Nutrition & Care and Resource Efficiency

Consistent execution of differentiated segment strategy



Sales

€13,507 m

Adj. EBITDA

€2,465 m

Margin

18.2%

ROCE

16.6%



Growth

Nutrition & Care



Sales
€4,924 m



Adj. EBITDA / Margin
€1,435 m / 29.1%

Resource Efficiency



Sales
€4,279 m



Adj. EBITDA / Margin
€896 m / 20.9%



Efficiency

Performance Materials



Sales
€3,435 m



Adj. EBITDA / Margin
€309 m / 9.0%

Growth strategy based on three strong pillars

Investments



Expansion of global
production footprint
Strengthen leading market
positions worldwide

7

world-scale production plants
erected and currently in ramp-up¹

Innovation



Market- and customer-oriented
R&D approach
Product and process innovation

~ 2,700

R&D employees drive our innovation
efforts across the group

M&A



Sharpening of specialty
chemicals portfolio
Additional route for growth and
value creation

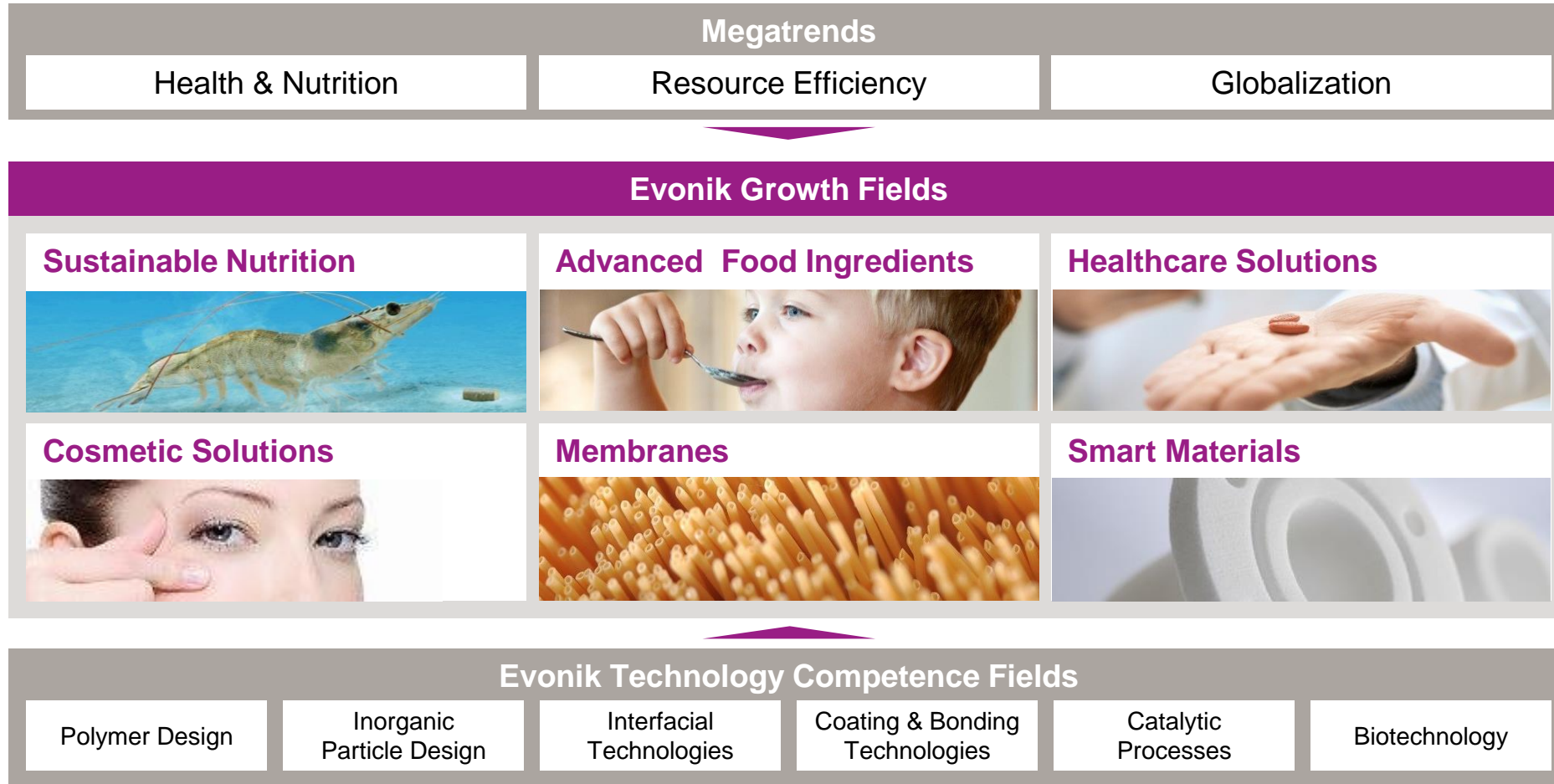
~ 3.8 bn USD

Acquisition of the Specialty & Coating
Additives business of Air Products

1. Construction between 2012 and 2015

Innovation excellence: Evonik growth fields

Leveraging our core competencies into highly attractive markets



Additional contribution to sales

more than
€1 billion
by 2025

Evonik's sustainability performance publicly recognized

Our sustainability approach

- Sustainability is a core element in our corporate claim “Power to create”
- Evonik positions sustainability close to its operating businesses
- We focus our sustainability activities on 6 areas



2016: Included in DJSI World and Europe

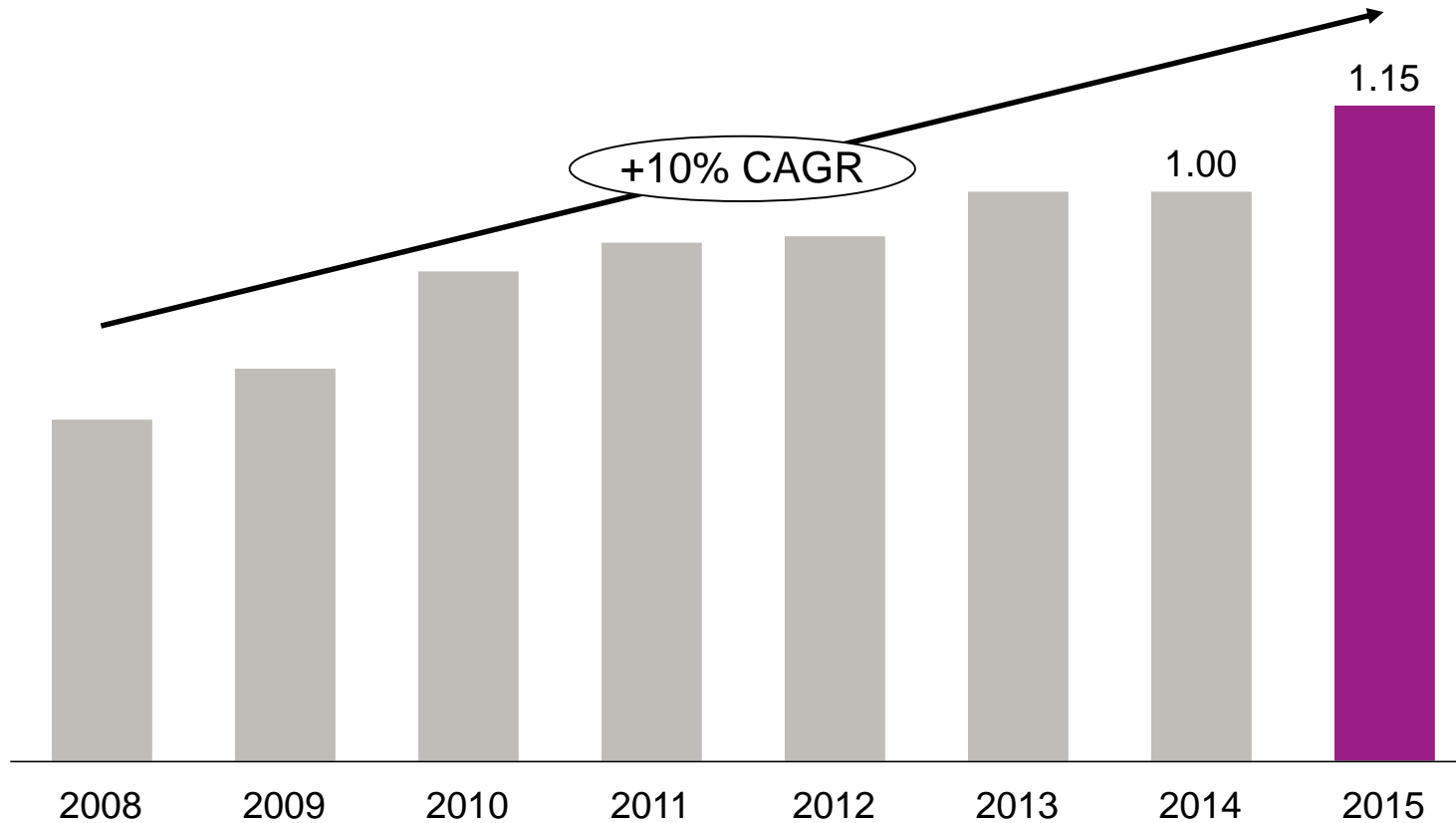
- Evonik well positioned in various ratings & rankings, e.g.
 - Investor CDP (A-; MDAX index/country leader)
 - Oekom Research (prime standard B-)
 - Sustainalytics (one of industry leaders)
 - Together for Sustainability/EcoVadis (“Gold Standard”)



Sep 2016: Evonik included in the DJSI Index World and Europe for the first time; positioned as No 4 in chemical industry assessment worldwide

Reliable and attractive dividend policy

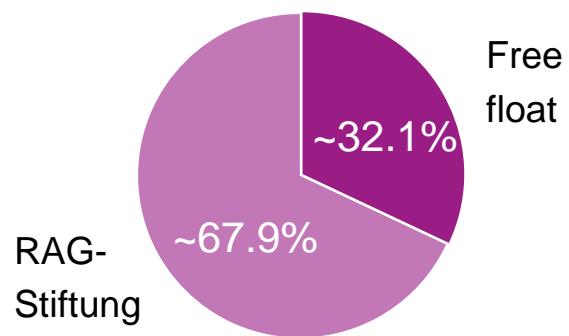
Dividend (in €)



- Sustainable dividend growth over the last years: 10% CAGR between 2008 and 2015
- Substantial dividend increase of 15% for fiscal 2015 on the back of strong operating performance
- **Attractive dividend yield ~ 4%**
- Reliable dividend policy targeting:
 - **dividend continuity**
 - a **payout ratio of ~40%** of adjusted net income

Free float & trading liquidity

Ownership structure



RAG-Stiftung

- Obligation to finance the perpetual liabilities arising from the cessation of hard-coal mining in Germany
- Intention to retain a strategic shareholding of **at least 25.1% in the long term**

Free float development

CVC with exit in several steps throughout 2015 and 2016 (initial stake: ~25%)

Free float increased to 32.1%

#12

by **market cap**
in MDAX¹

#6

by **trading volume**
in MDAX¹

Average daily trading volume
increased to **>€20 m¹**

1. Average in H1 2016

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APD Performance Materials¹ provides an excellent fit with Evonik

Leadership position	Specialty product portfolio	Customer and innovation focus	Truly global footprint	Enhanced financial performance
<ul style="list-style-type: none">▪ Creating a global leader in Specialty & Coating Additives▪ Leading market positions in performance-critical additives	<ul style="list-style-type: none">▪ Strengthening of growth segments Nutrition & Care and Resource Efficiency▪ Excellent fit of all acquired businesses with Evonik's growth segments	<ul style="list-style-type: none">▪ Combining complementary chemistry, manufacturing processes and formulation know-how▪ Customer- and solution-oriented businesses with complementary innovation pipeline	<ul style="list-style-type: none">▪ Expanding global footprint▪ Strengthening presence in North America and Asia	<ul style="list-style-type: none">▪ High margin and resilient business with low capital intensity and strong cash generation▪ High synergy potential due to exceptional business and regional complementarity

1. APD Performance Materials is the Specialty & Coating Additives business of Air Products' Materials Technologies Segment

APD Performance Materials

A leader in Specialty & Coating Additives

\$1,078 m
2015 Sales

Global leader ▪ Global leadership positions in all three divisions

\$242 m / 22.4%
2015 EBITDA /
EBITDA margin

Mission-critical products

- Performance-critical, highly specialised solutions
- Represent only small portion of total end product costs

15-20%¹
of sales from new
products

Innovation & customer focus

- Strong innovation power for unique technologies
- In-depth knowledge of customer-specific requirements
- Diverse customer base and end-market exposure

11 Plants²
8 R&D centers

Global infrastructure

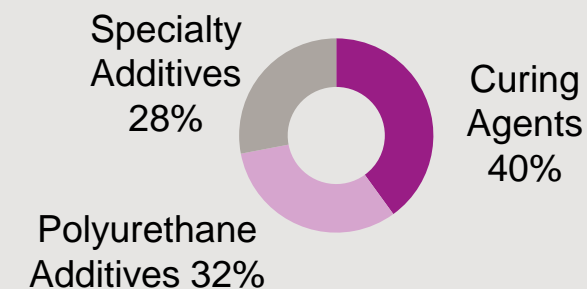
- Best-in-class production and supply network
- Strong presence in North America and Asia
- Global customer service and R&D network

1,100 Employees
~240 in R&D and
applied technology

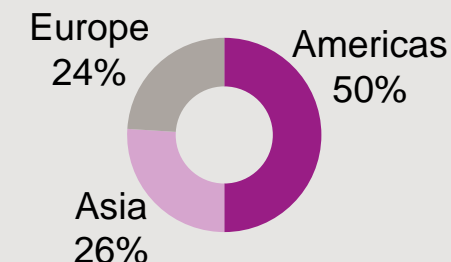
Best in class financial performance

- High and resilient margin profile
- Low capital intensity and high cash generation

2015 Sales by division



2015 Sales by region



Note: APD Performance Materials' fiscal year 2015 is September year-end

1. Sales from products introduced within the last 5 years historically in 15-20% range | 2. Includes Pasadena (Texas, USA) site currently under construction

Transaction overview

Structure	Financial impact	Transaction value	Financing	Timing
<ul style="list-style-type: none">▪ 100% acquisition of the Specialty & Coating Additives business of Air Products for cash▪ Cash and debt free▪ Acquisition is structured as a mix of assets and shares	<ul style="list-style-type: none">▪ Sustainable synergy level of ~\$80 m p.a.▪ Asset step-up and accordingly higher D&A leading to ~\$520 m NPV of tax benefits▪ EPS accretive in the first full year	<ul style="list-style-type: none">▪ Acquisition price of \$3.8 bn representing 9.9x Enterprise Value / 2016E¹ EBITDA multiple including tax benefits and sustainable synergies▪ Excluding tax benefits and sustainable synergies: 15.2x EV / 2016¹ EBITDA multiple	<ul style="list-style-type: none">▪ Financing secured with half cash and half committed credit facility▪ Rating upgrade from Moody's and rating confirmation from Standard and Poor's	<ul style="list-style-type: none">▪ Approved by Air Products' Board of Directors and Evonik's Supervisory Board▪ Aiming for closing by the end of 2016, subject to regulatory approvals

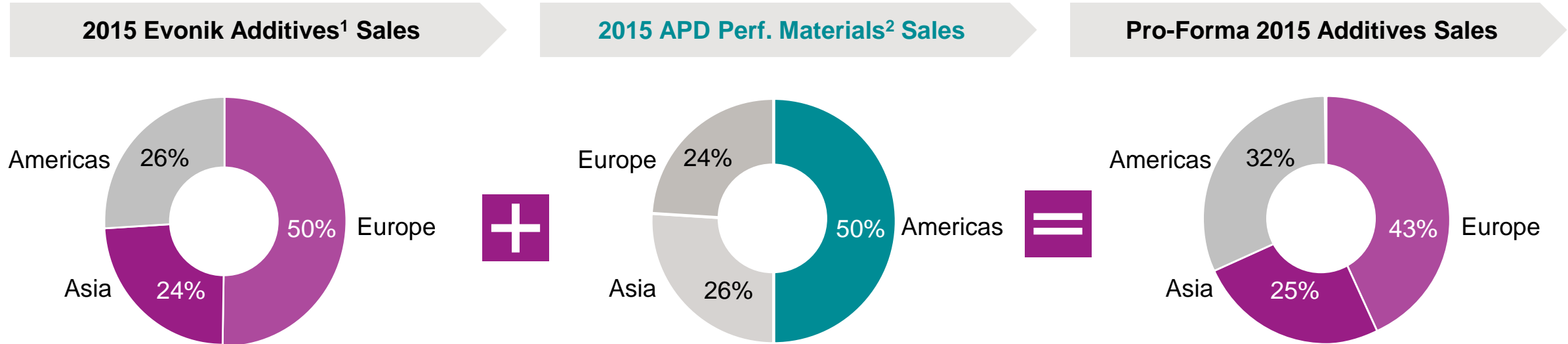
1. 2016E FY EBITDA of \$250 m

Combining complementary companies in the specialty additives market

Evonik	Target industries	APD Performance Materials
<ul style="list-style-type: none">▪ PU foam stabilizers	 <ul style="list-style-type: none">High value additives for PU foam	<ul style="list-style-type: none">▪ PU foam catalysts
<ul style="list-style-type: none">▪ Isophorone-based crosslinkers▪ Coating additives and adhesives resins	 <ul style="list-style-type: none">Additives/Ingredients for Coatings & Adhesives	<ul style="list-style-type: none">▪ Amine-based crosslinkers▪ Epoxy curing agents▪ Specialty wetting agents
<ul style="list-style-type: none">▪ Specialty surfactants for care and industrial applications	 <ul style="list-style-type: none">Specialty surfactants for Industrial & Institutional Cleaning	<ul style="list-style-type: none">▪ Amine-based specialty surfactants
~€2.5 bn	2015 Sales in Specialty & Coating Additives	~€1 bn

Creation of a global leader in Specialty and Coating Additives with **~€3.5 bn** in sales

Complementary regional setup leading to balanced geographic footprint



Balancing global footprint with increased presence in North America

Strong presence in every region matching the global set-up of customers

Close customer relationships driving global growth via cross-selling opportunities

Close geographic proximity of manufacturing sites for seamless integration

1. Relates to affected Evonik Specialty & Coating Additives business lines

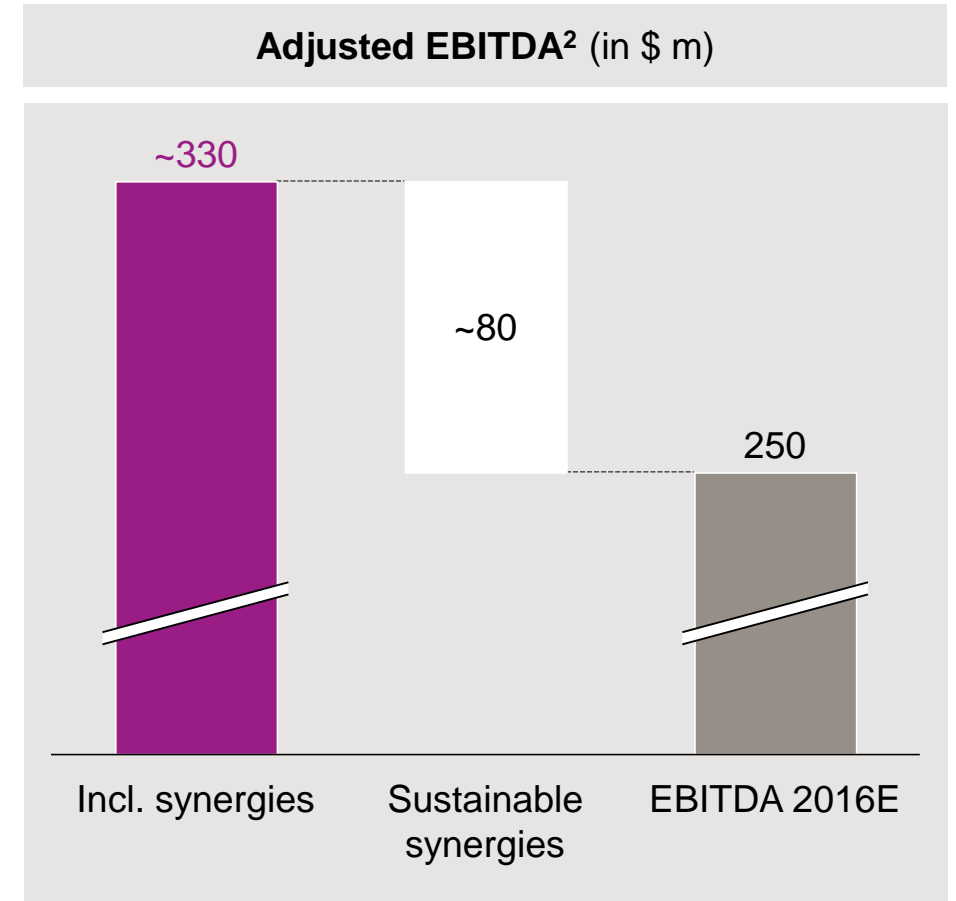
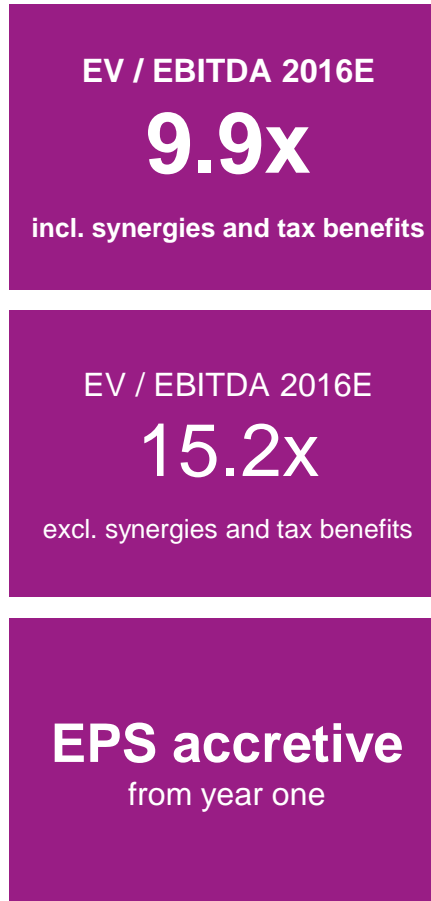
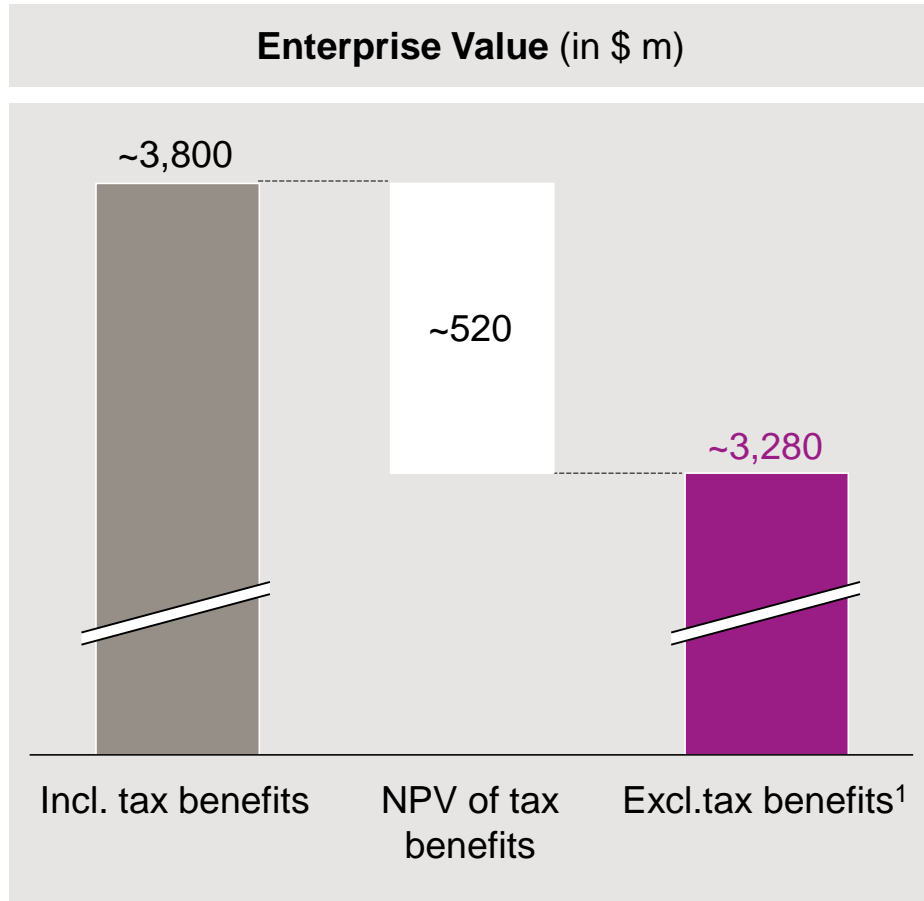
2. APD Performance Materials' sales calendarised to December year-end and translated at EUR/USD FX rate of 1.11 as of average 2015

Creating a global leader in Specialty & Coating Additives



Integration of APD Performance Materials businesses into existing Evonik business lines
Post merger integration team in place to guarantee seamless integration

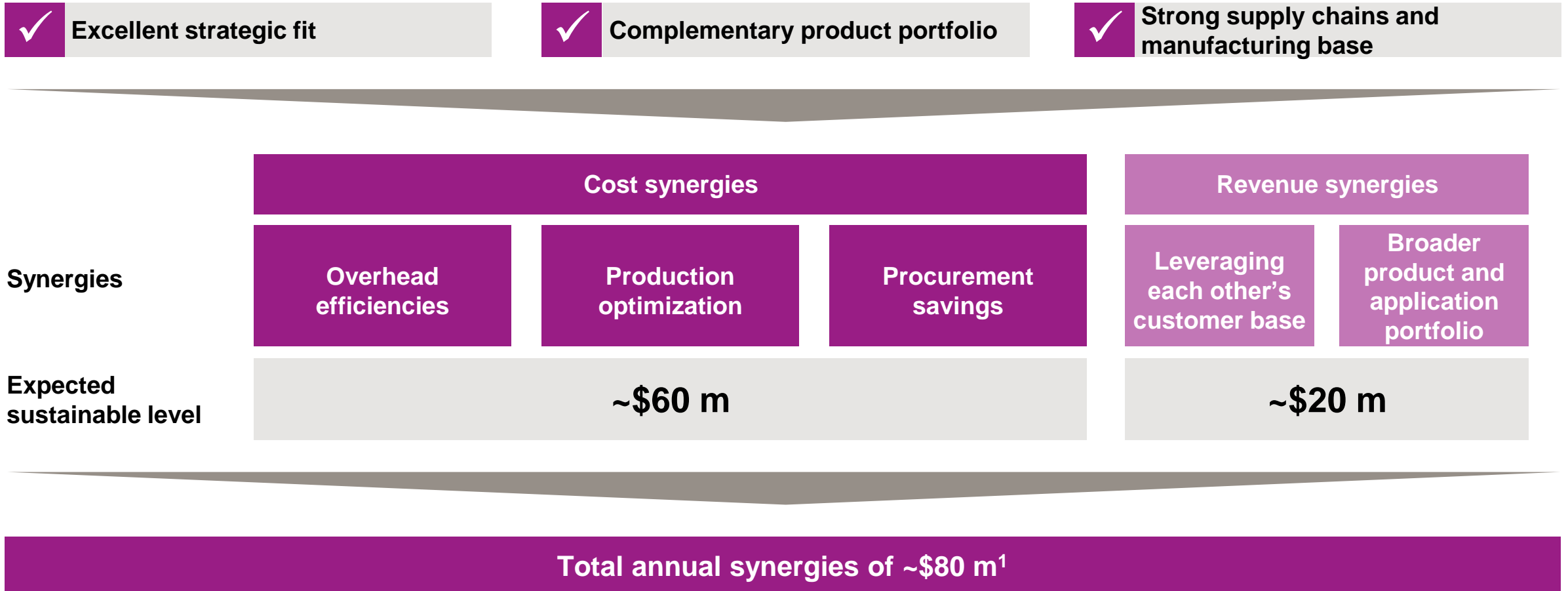
Synergy potential and tax benefits leading to an attractive price



1. By purchasing assets, tax benefits from higher D&A after asset step-up will reduce future cash tax burden

2. Adjusted EBITDA before restructuring charges and corporate allocations

Excellent strategic and operational fit leading to significant synergies



1. Based on current assumptions and market conditions; ramp-up period of 3-4 years with cumulative implementation costs of ~\$80 m

Key takeaways

- ✓ Creating a global leader in Specialty and Coating Additives
- ✓ Strengthening of growth businesses Nutrition & Care and Resource Efficiency
- ✓ Excellent fit with Evonik's existing businesses
- ✓ Substantial synergy potential and tax benefits
- ✓ Fully aligned with M&A strategy
- ✓ Enhanced rating profile after announcement

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Highlights Q3 2016

Outlook in upper half of range reiterated

Third strong quarter in a row

Volume growth

+ 3%

Another quarter of solid volume growth supported by Specialty & Coating Additives business

Adj. EBITDA

€578 m

Resource Efficiency with strong earnings growth
Performance Materials with continued positive trend

Free cash flow

€280 m

Strong cash generation – supported by active NWC management

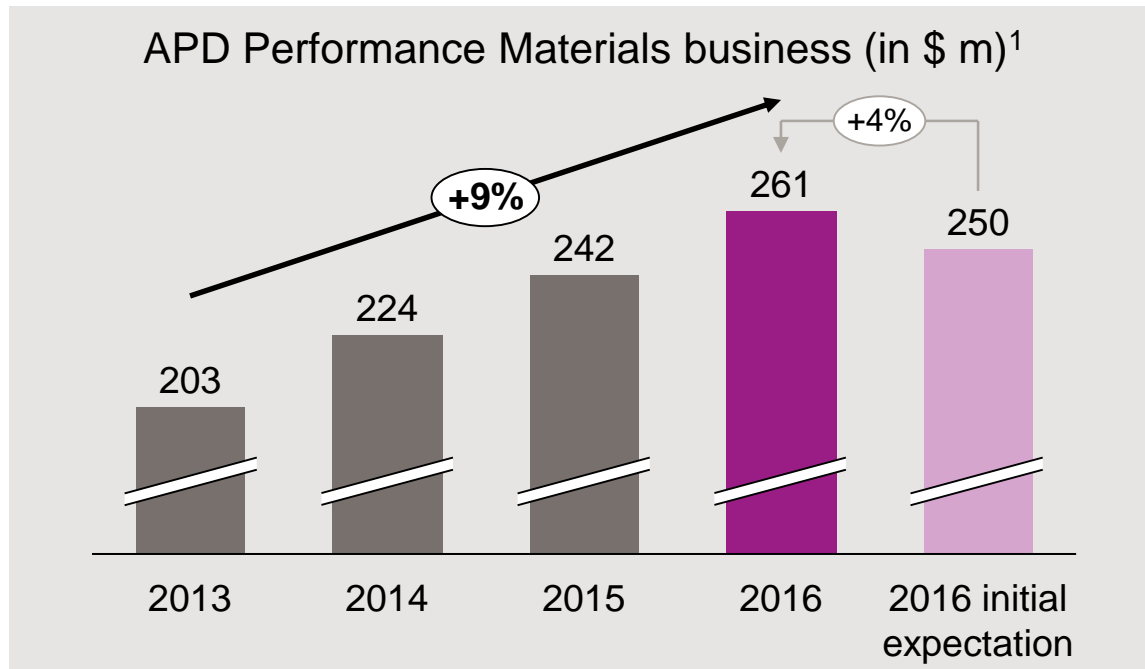
Outlook

Reiterated

Adj. EBITDA in upper half of €2.0 - 2.2 bn range

Preparations for APD Performance Materials closing well on track

EBITDA development



Comments

- Sustainable growth trend of the business with 9% CAGR since 2013
- EBITDA of \$261 m in FY 2016¹ above initial expectation given at deal announcement in May
- Transaction already approved by anti trust authorities in USA, Germany and most European countries
- Financing completed at very attractive average interest rate of ~0.35% p.a
- Realization of €10-20 m synergies expected already for FY 2017

Closing expected for year-end and EPS accretive already in 2017

1. Air Products' fiscal year ends Sep 30

Consistent execution of differentiated segment strategy

Growth



Nutrition & Care



Resource Efficiency



Investments

- Good utilization rates in new facilities (e.g. Crosslinkers China, Oleochemicals China)
- Groundbreaking 2nd Methionine plant Singapore

Innovation

- Algae-based omega-3 fatty acids for animal nutrition
- Start of Competence Center “Friction & Motion”

M&A

- Acquisition of APD PM: Creating a global leader in Specialty & Coating Additives
- Successful bolt-on acquisitions: Norel (Sustainable Nutrition), Transferra (Healthcare Solutions)

Three levers delivering profitable growth

Efficiency



Performance Materials

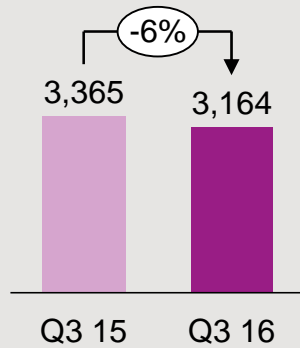


- Restructuring of Acrylic Sheet business:
 - New business model
 - Streamlining of overhead functions
 - Global production optimization
- Exit of unprofitable businesses (e.g. shutdown of extraction production at Münchsmünster site)
- Ongoing cost optimization measures
- Positive effects of NWC optimization

Efficiency improvements and high cash contribution

Financial highlights Q3 2016

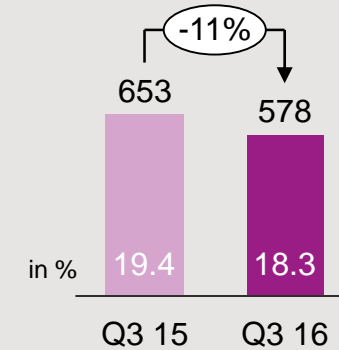
Sales (in € m)



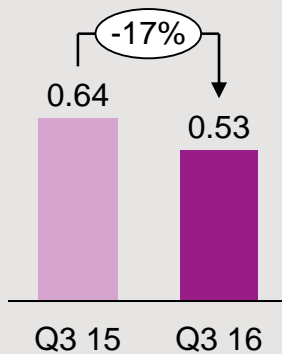
Q3 16 vs. Q3 15

Volume		Price	
+3%	↗	-10%	↘
FX		Other	
+1%	↗	0%	→

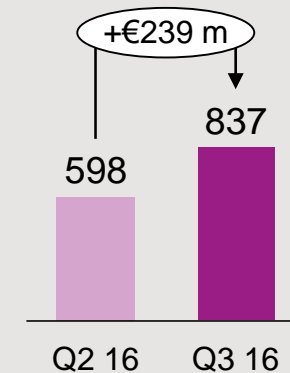
Adj. EBITDA (in € m) / margin (in %)



Adj. EPS (in €)

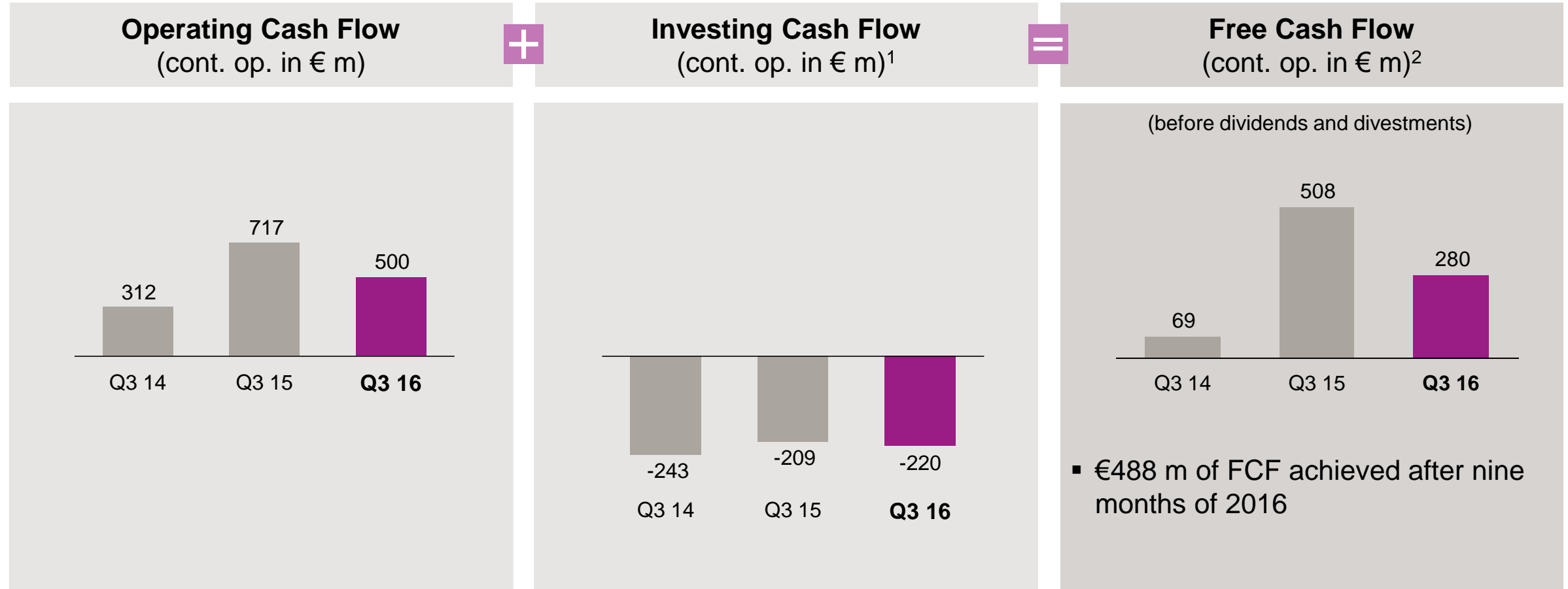


Net financial position (in € m)



Cash flow development

Strong operating cash flow and active NWC management supporting free cash flow

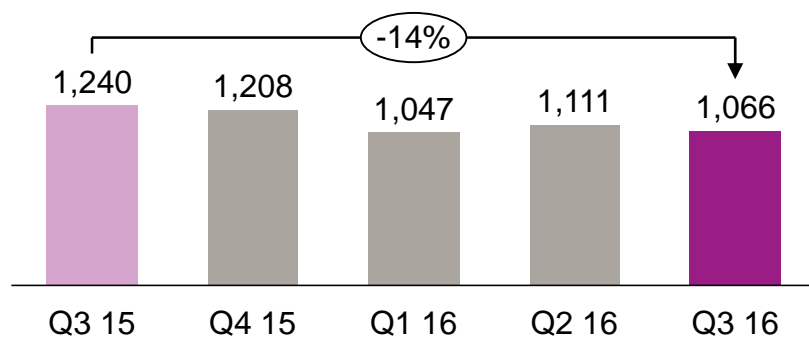


1. Cash outflow for investments in intangible assets and PP&E | 2. Operating Cash Flow (cont. op.) ./ Investing Cash Flow (cont. op.)

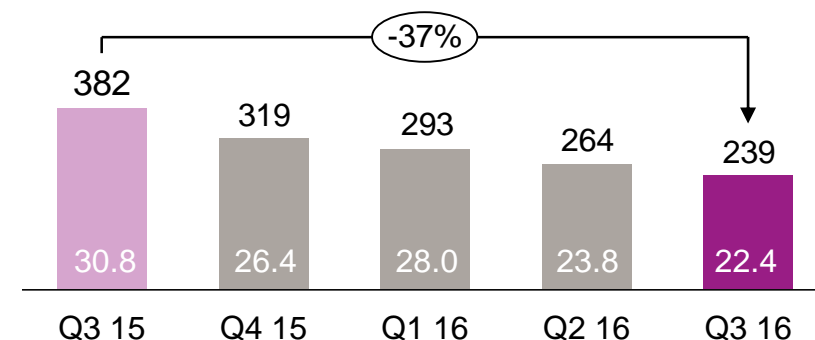
Nutrition & Care

Very good development in Care and Specialty Additive businesses

Sales (in € m)



Adj. EBITDA (in € m) / margin (in %)



	Volume	Price	FX	Other
Q3 16 vs. Q3 15	0% →	-16% ↘	+2% ↗	0% →

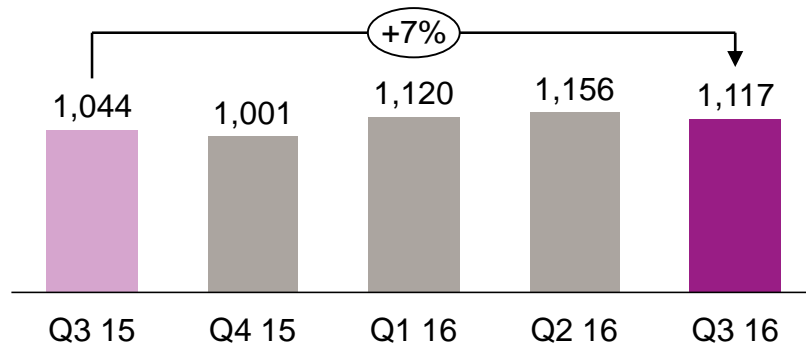


- Ongoing strong demand in Care (e.g. Health Care) and Specialty Additive Businesses (e.g. Comfort & Insulation)
- Weaker volumes and prices (yoy) in Baby Care in challenging market environment; efficiency measures underway including announced capacity adjustment
- Methionine market sequentially slightly softer; more relaxed supply situation and temporary weaker demand in some emerging regions

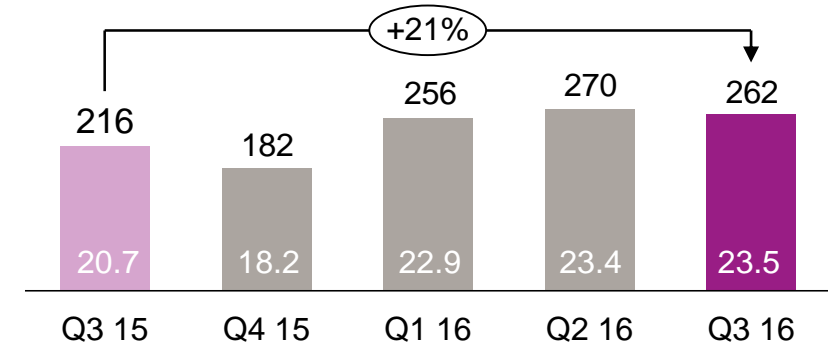
Resource Efficiency

Further excellent growth on high margin levels

Sales (in € m)



Adj. EBITDA (in € m) / margin (in %)



Q3 16 vs. Q3 15	Volume	Price	FX	Other
	+6%	-3%	+2%	+2%
	↗	↘	↗	↗

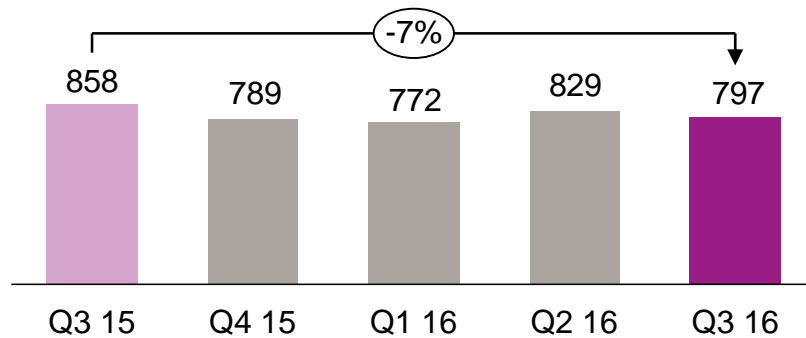


- Strong volume growth across majority of businesses, partly supported by lower prior year comparables
- Ongoing strong demand in coatings and construction industries
- High margin level of Q2 2016 maintained
- Positive market environment expected to continue; usual seasonality and fading raw material tailwind expected in Q4

Performance Materials

Further positive development since Q2, increased profitability

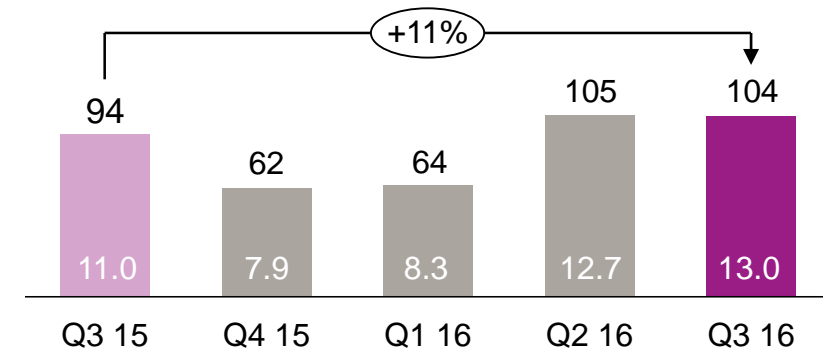
Sales (in € m)



Q3 16 vs. Q3 15	Volume	Price	FX	Other
	+4%	-11%	0%	0%
	↗	↘	→	→



Adj. EBITDA (in € m) / margin (in %)



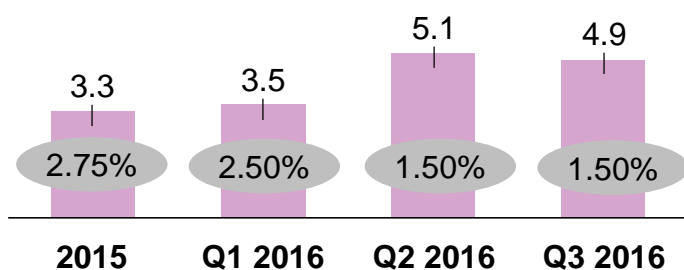
- Positive development mainly in MMA & PMMA molding compounds supported by seasonally high demand and favorable supply
- Earnings level maintained vs. Q2, supported by ongoing efficiency measures
- C4 chain with good underlying demand across most products, price spreads with improving trend. Scheduled maintenance limiting further upside
- Usual seasonality and scheduled maintenance shutdowns expected for Q4

Spotlight pension accounting

Summary of financial impact

Balance Sheet

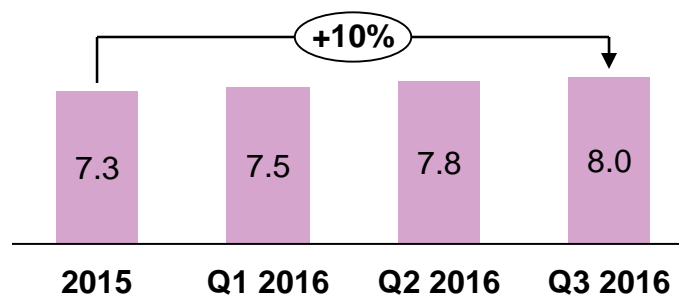
Pension provisions (in € bn)



- Lower discount rate of 1.50% already reflected with Q2 reporting
- Level confirmed with Q3 reporting
- Pension provisions partly balanced by deferred tax assets (€1.4 bn)

**Lower discount rate
already absorbed**

Pension plan assets (in € bn)



- CTA cash funding with last payment in 2015 completed
- Excellent performance of pension plan assets partly balancing increase in pension provisions

Funding level of >60% preserved

P&L

Service costs

- Part of pension-related personnel expenses for active employees (included in EBITDA)
- Recalculated only once a year for the new fiscal period with discount rate at year-end
- Service costs 2017 will be calculated with notably lower discount rate (vs. 2016)
- Sensitivity:
Change of 25 bp in discount rate triggers an impact of ~€20 m on service costs

**Change in service costs
without any cash impact**

Note: interest rate Germany

Outlook for 2016 reiterated

Adj. EBITDA in upper half of €2.0 - 2.2 bn range

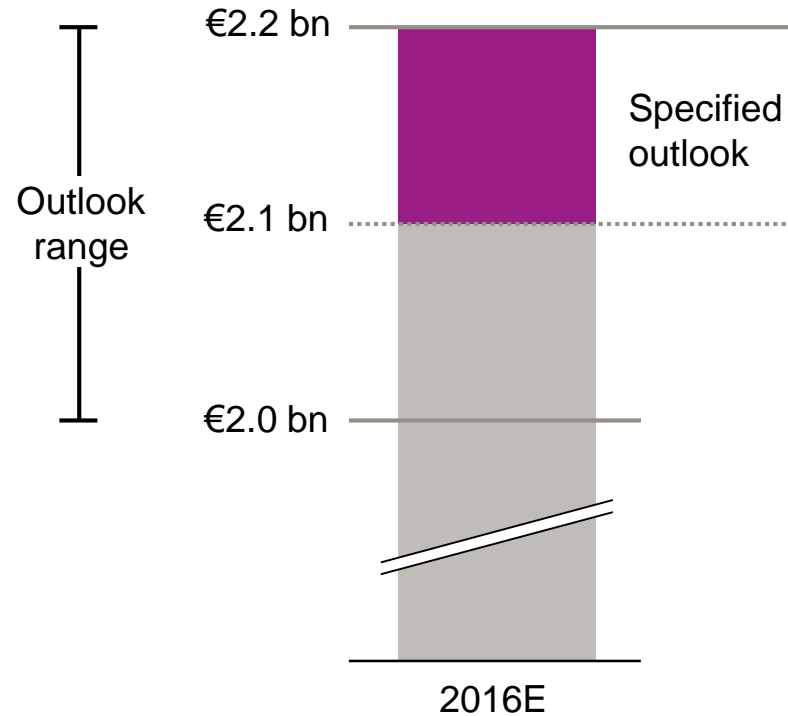
Outlook 2016

Slightly lower sales
(2015: €13,507 m)

**Adj. EBITDA in the
upper half of the
given range of €2.0
and 2.2 bn**
(2015: €2,465 m)

Outlook reiterated

Adj. EBITDA



Good volume and earnings growth in large parts of Nutrition & Care and Resource Efficiency

EBITDA margins in growth segments Nutrition & Care and Resource Efficiency >20%

Efficiency measures paying off in **Performance Materials**

Operating cash flow generation and **disciplined CAPEX** resulting in strong free cash flow

Strong business fundamentals to be further strengthened by integration of Air Products Specialty & Coating Additives business

Additional indications for 2016

- EUR/USD sensitivity¹ +/-1 USD cent = -/+ ~€5 m adj. EBITDA (FY basis)
- Adj. EBITDA Services² **Slightly below 2015** (2015: €159 m)
- Adj. EBITDA Corporate / Others² **Around the level of 2015** (2015: - €334 m)
- Adj. D&A **Around the level of 2015** (2015: €713 m)
- Adj. net financial result³ **Around the level of 2015** (previously: “Slight improvement”; 2015: - €179 m)
- Adj. tax rate **~30%** (2015: 29.3%)
- Capex **Around the level of 2015** (2015: €877 m)
- Free cash flow **Positive** (2015: €1,052 m)

1. Including transaction effects (after hedging) and translation effects; before secondary / market effects and APG acquisition

2. 2015 figures restated for restructuring between Services and Corporate / Others segments (€4 m adj. EBITDA re-allocated; neutral on Group level)

3. Guidance for “Adj. net financial result” (incl. “Adj. interest income/expense” and “Other financial income/expense”)





EVONIK

POWER TO CREATE

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APD Performance Materials

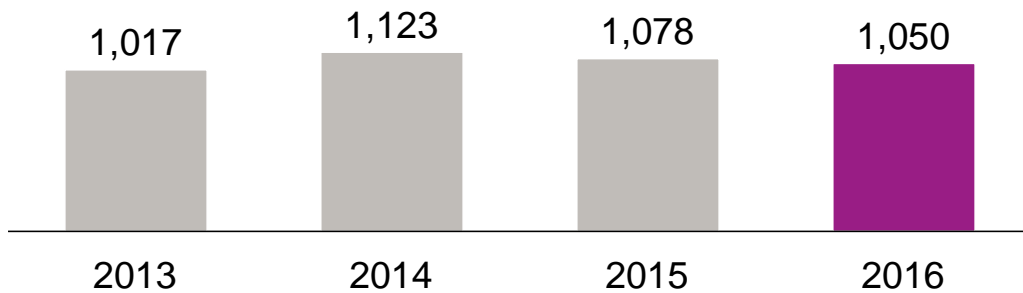
A leader in high-growth markets

	Polyurethane Additives	Specialty Additives	Curing Agents
	2015 Sales: \$350 m Global leadership positions in: <ul style="list-style-type: none"> ▪ Amine Catalysts ▪ Low/Non-emissive Amine Catalysts ▪ Polyurethane Metal Catalysts 	2015 Sales: \$297 m Global leadership positions in: <ul style="list-style-type: none"> ▪ Specialty Wetting Agents 	2015 Sales: \$431 m Global leadership positions in: <ul style="list-style-type: none"> ▪ Epoxy Curing Agents
Applications	<ul style="list-style-type: none"> ▪ Additives for PU foams used in bedding, furniture, automotive, construction and insulation 	<ul style="list-style-type: none"> ▪ Specialty wetting agents for coatings and industrial applications ▪ Functional additives for industrial & institutional cleaning and mining 	<ul style="list-style-type: none"> ▪ Curing agents for flooring, adhesives, marine and protective coatings ▪ Epoxy curatives for filament wound composites, e.g. pipes, tanks
Value drivers	<ul style="list-style-type: none"> ▪ Enhances cell structure, strength, uniformity and visual appearance ▪ Reduces impact on environment 	<ul style="list-style-type: none"> ▪ Enhances product performance: enables environmentally friendly systems in coatings and inks ▪ Broadens functionality of end products 	<ul style="list-style-type: none"> ▪ Improves mechanical strength, adhesion, gloss and chemical resistance
Market size	~\$1.4 bn	~\$5.5 bn	~\$3.1 bn
Target growth	GDP++	GDP+	GDP+
Growth driven by environmental and regulatory requirements as well as enhanced functionality and performance of end products			

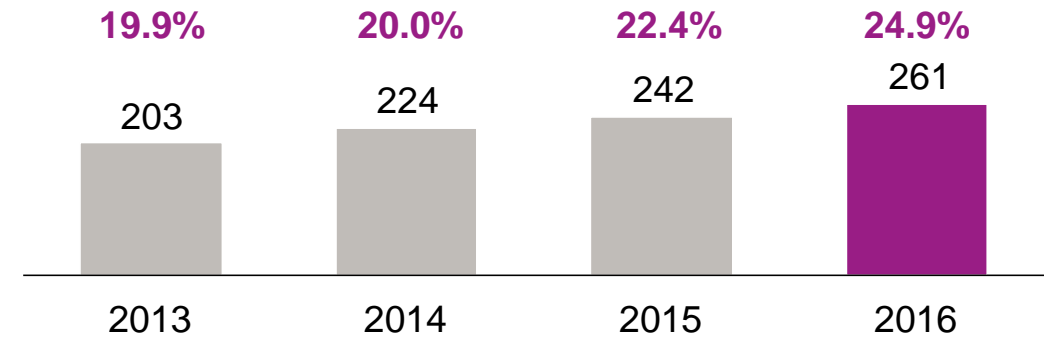
Note: APD Performance Materials 2015 financials are September year-end

Financial overview of APD Performance Materials

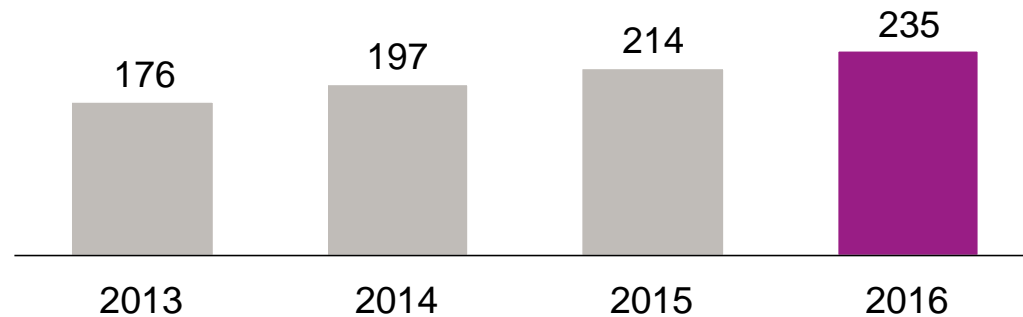
Sales (in \$ m)



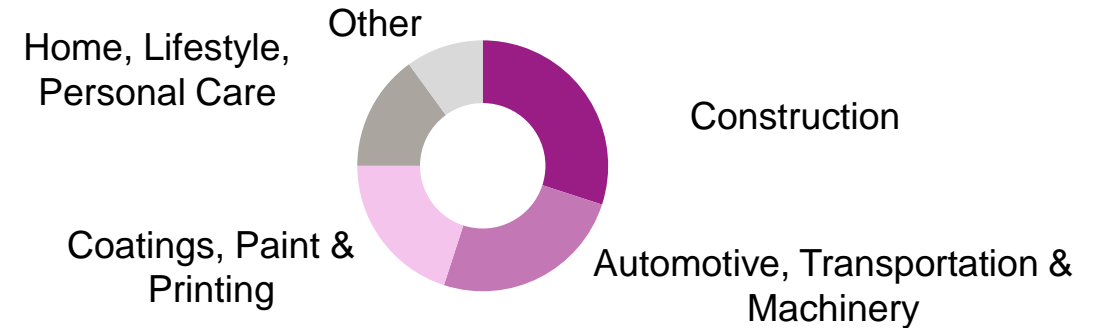
Adj. EBITDA (in \$ m) / margin¹



Adj. Operating Income (in \$ m)



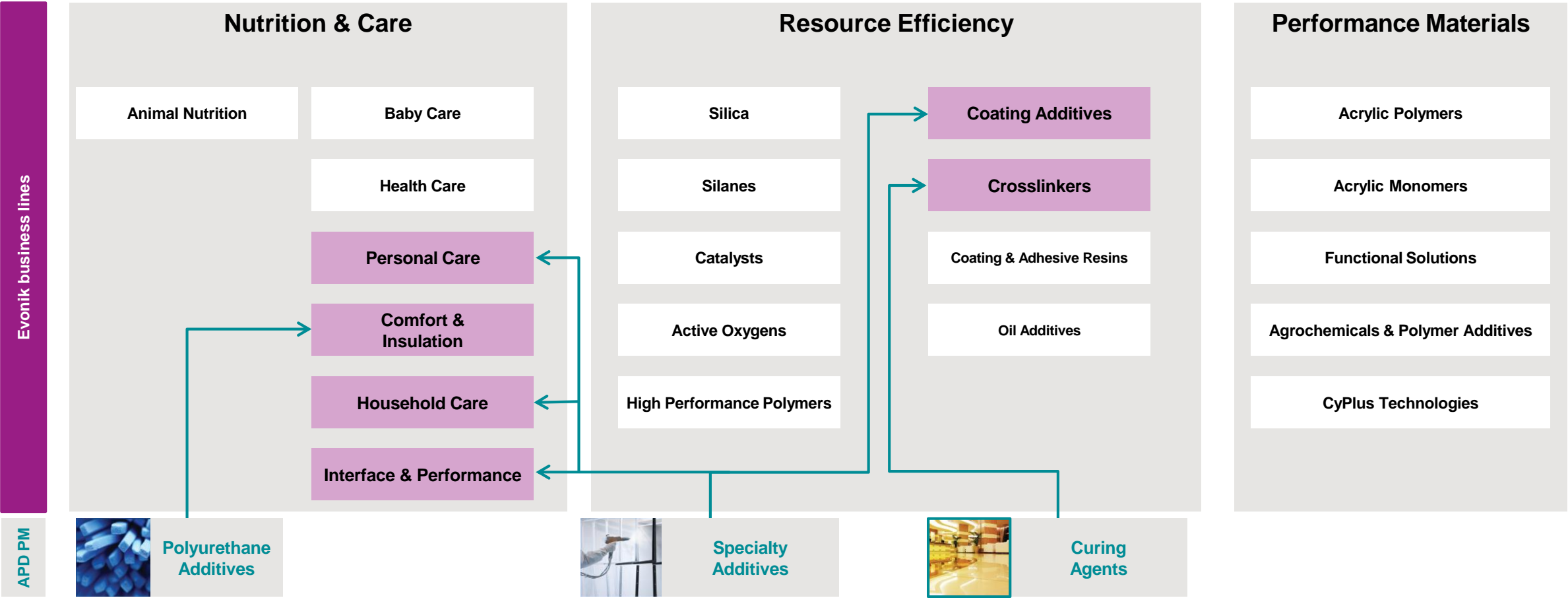
End market split



Note: APD Performance Materials' 2016 financials are September year-end

1. Adjusted EBITDA before restructuring charges and corporate allocations, includes equity affiliates income

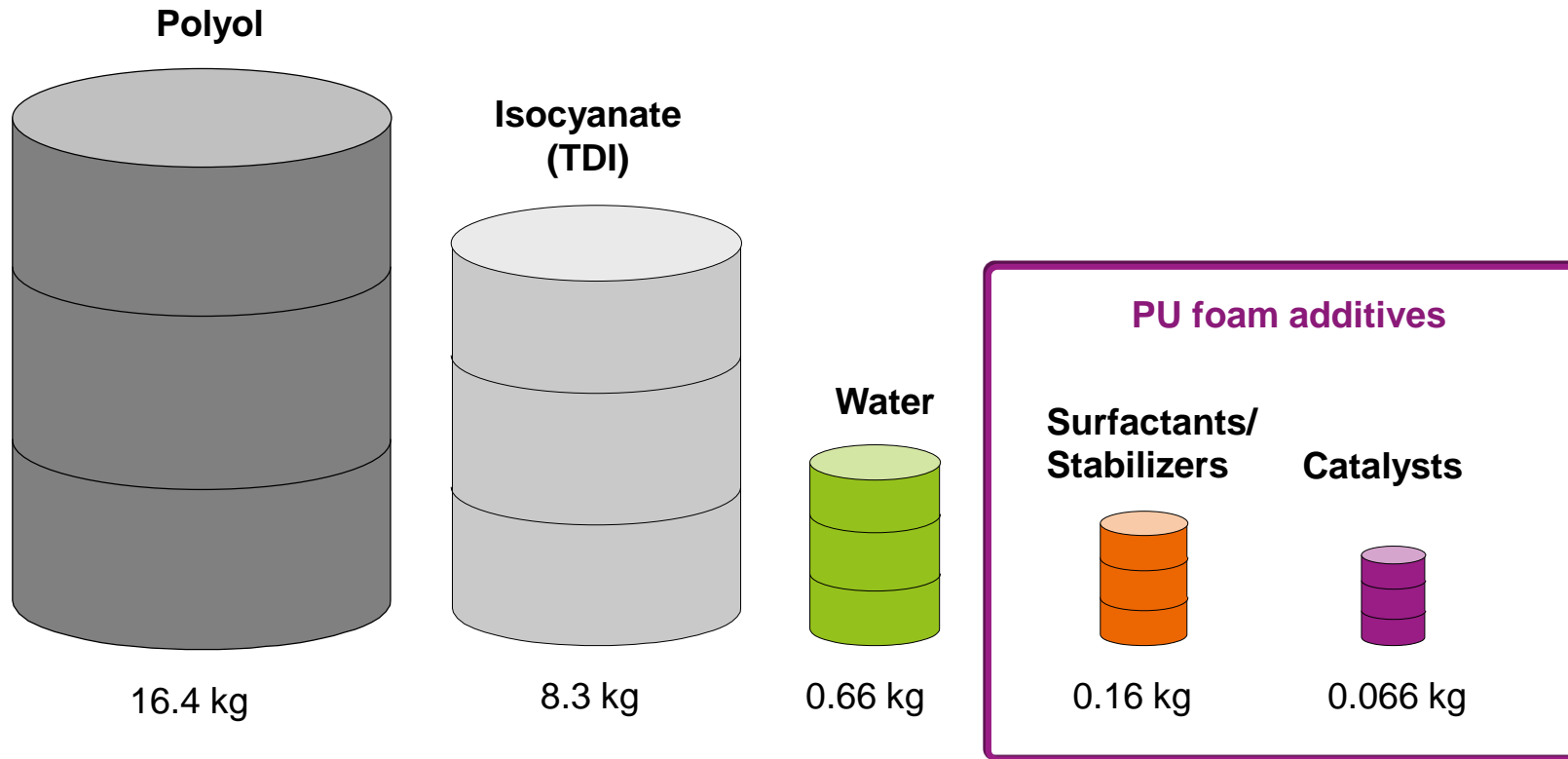
Strong fit in Evonik's growth segments



Target market: High value additives for PU foam

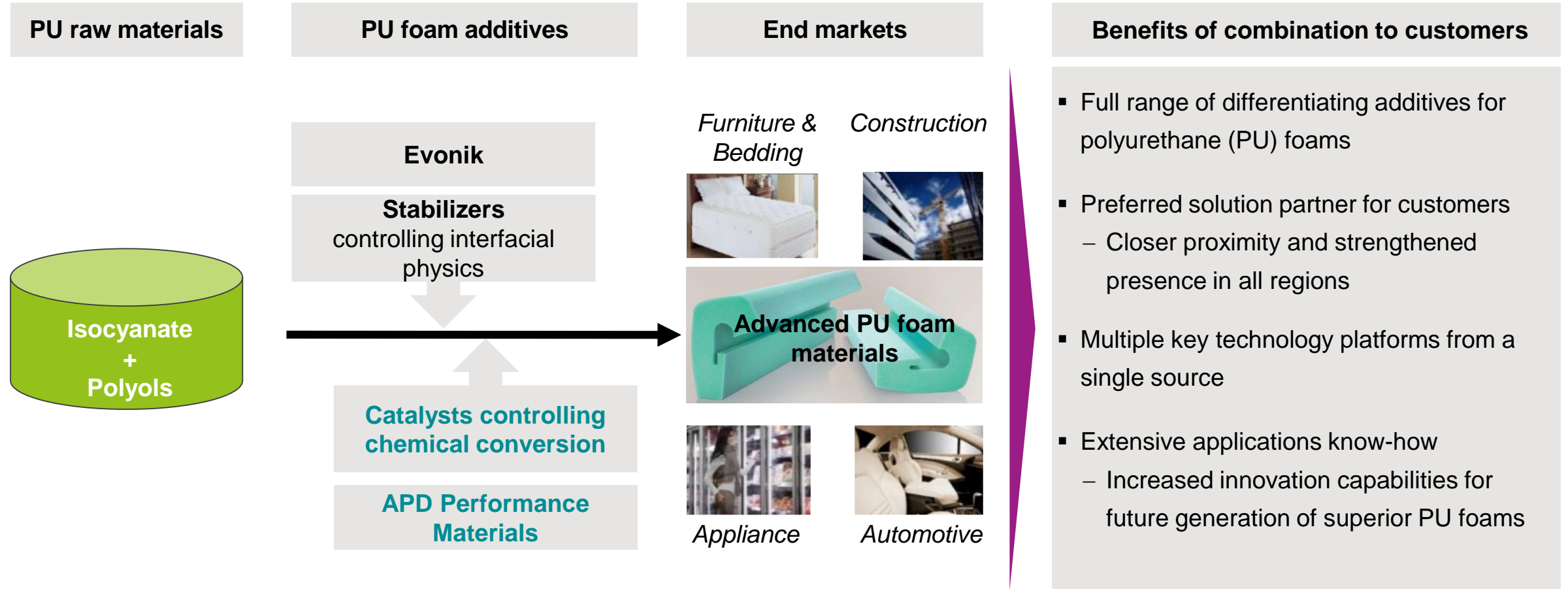
Additives with small quantity, but decisive impact in PU foam formulation

Quantities being required to produce 1 m³ of flexible foam with a density of 24 kg/m³



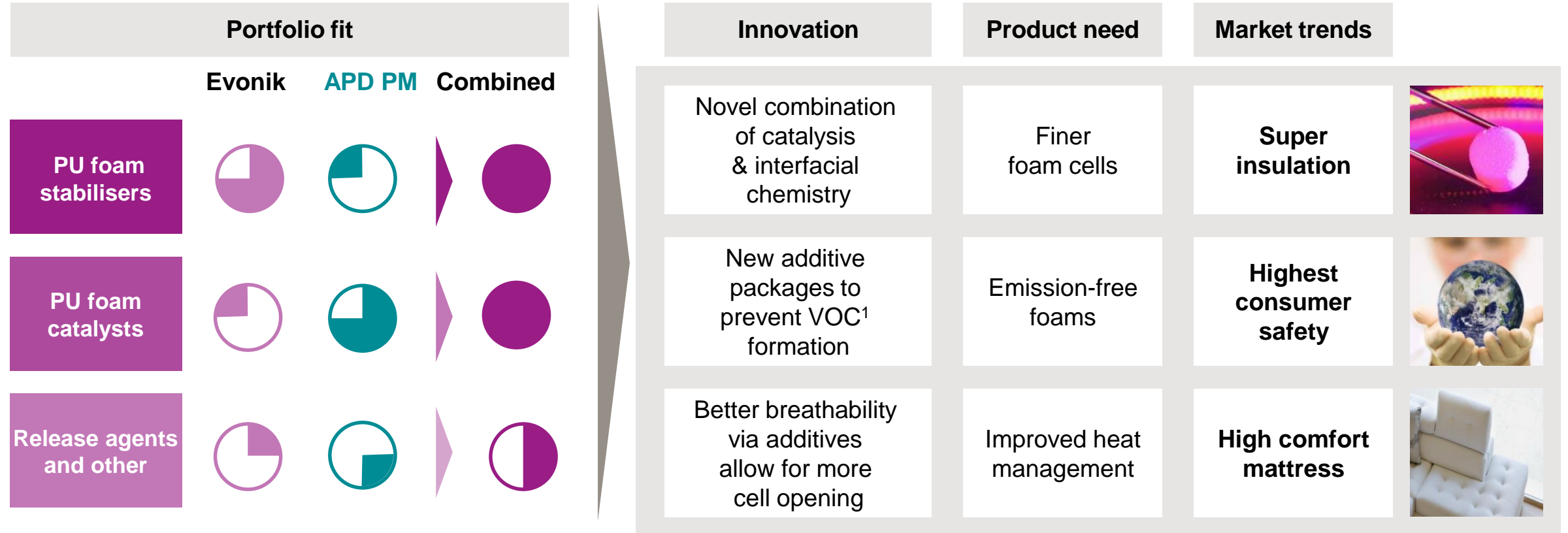
Target market: High value additives for PU foam

Global leading portfolio of PU foam additives



Target market: High value additives for PU foam

Enhanced innovation platform to better fulfil customer needs

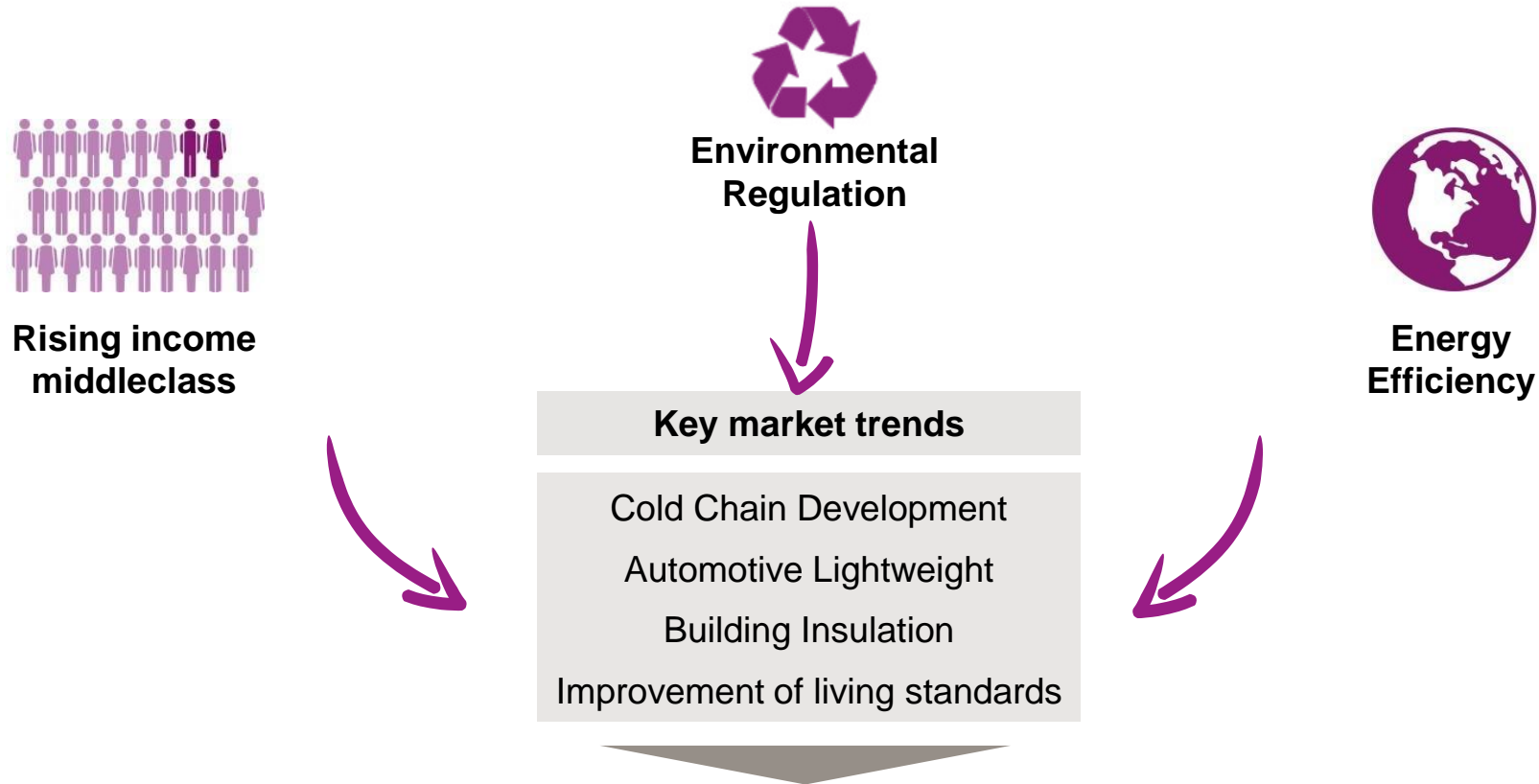


The combination enables Evonik to better fulfill customer needs through enhanced innovation

1. VOC: Volatile organic compound

Target market: High value additives for PU foam

Growth drivers of our markets and applications

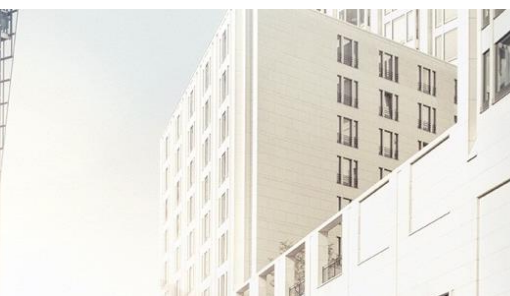


Additives market growth: ~ 5% p.a.

Target market: High value additives for PU foam

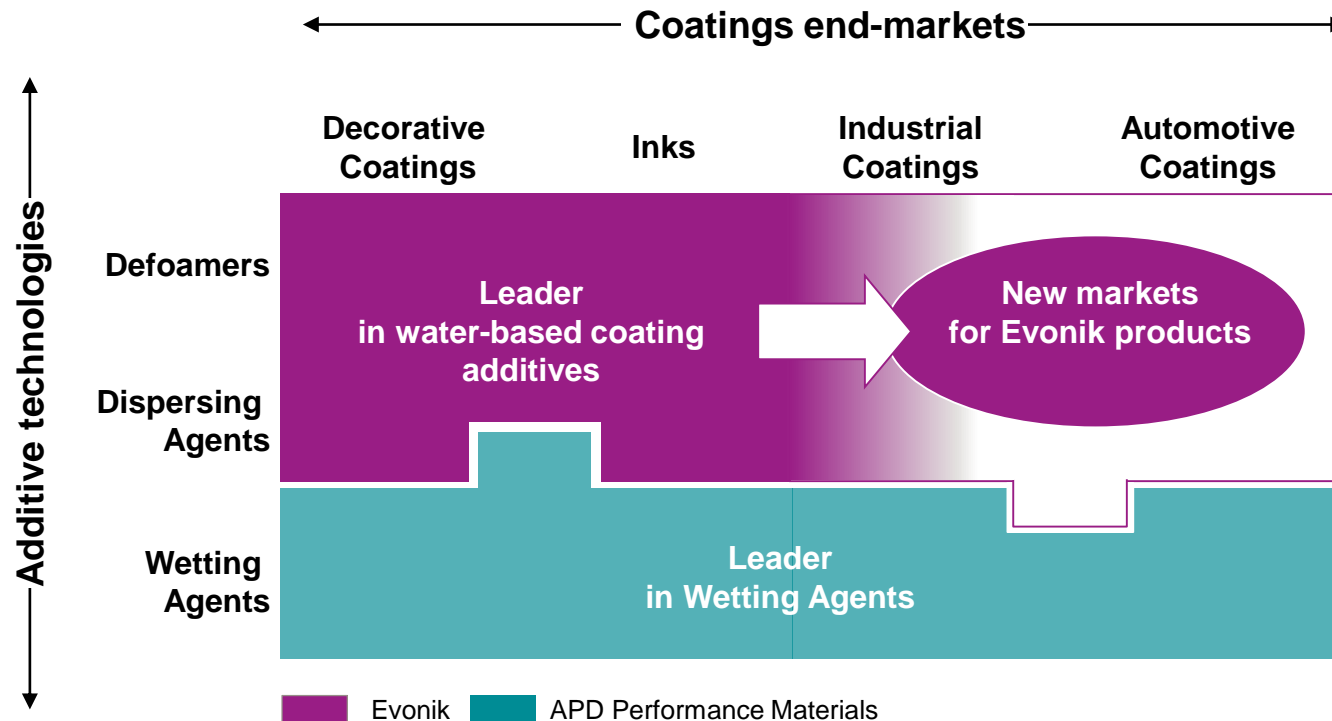
Industry trends drive growth in major applications

Market trend	End Market	Key application functionalities
Cold Chain Development	Appliance	Lower energy consumption due to excellent cell nucleation, emulsification and surface appearance
Automotive Lightweight	Automotive	Comfort, protection, durability, energy conservation, reduce fogging and meet VOC requirements
Building Insulation	Construction	Energy efficiency management through maximum insulation efficiency, dimensional stability, uniform density, and fine cell structure
Improvement of living standards	Furniture & Bedding	Extremely broad processing latitude, phthalate free products, good cell regulation properties



Target market: Coating Additives

APD Performance Materials offers unique products and access to new markets



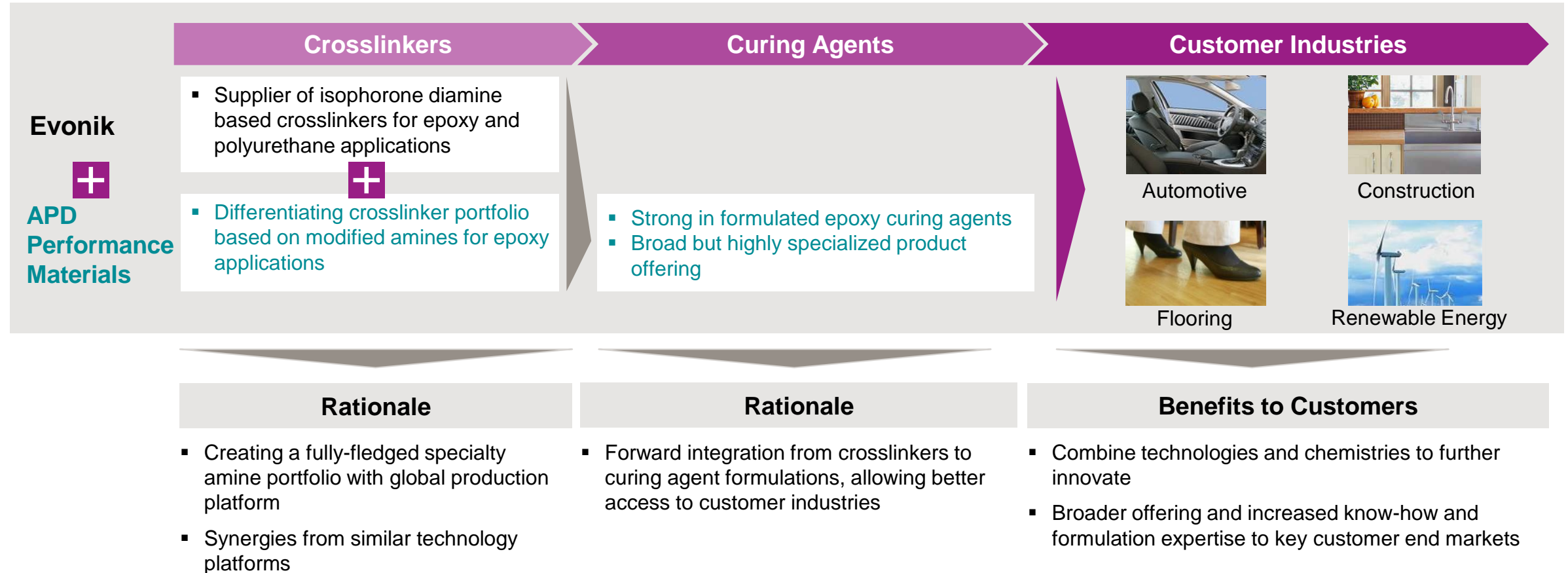
Key value drivers

- Global leader for formulations enabling environmentally-friendly / waterborne coatings
- Access to complementary APD Performance Materials' wetting agent technology with
 - Market-leading position
 - New end markets (automotive)
 - Additional customers to create cross-selling opportunities
- Expanded toolkit and solutions expertise
- Truly global set-up
 - Leveraging APD Performance Materials' position in North American coatings market

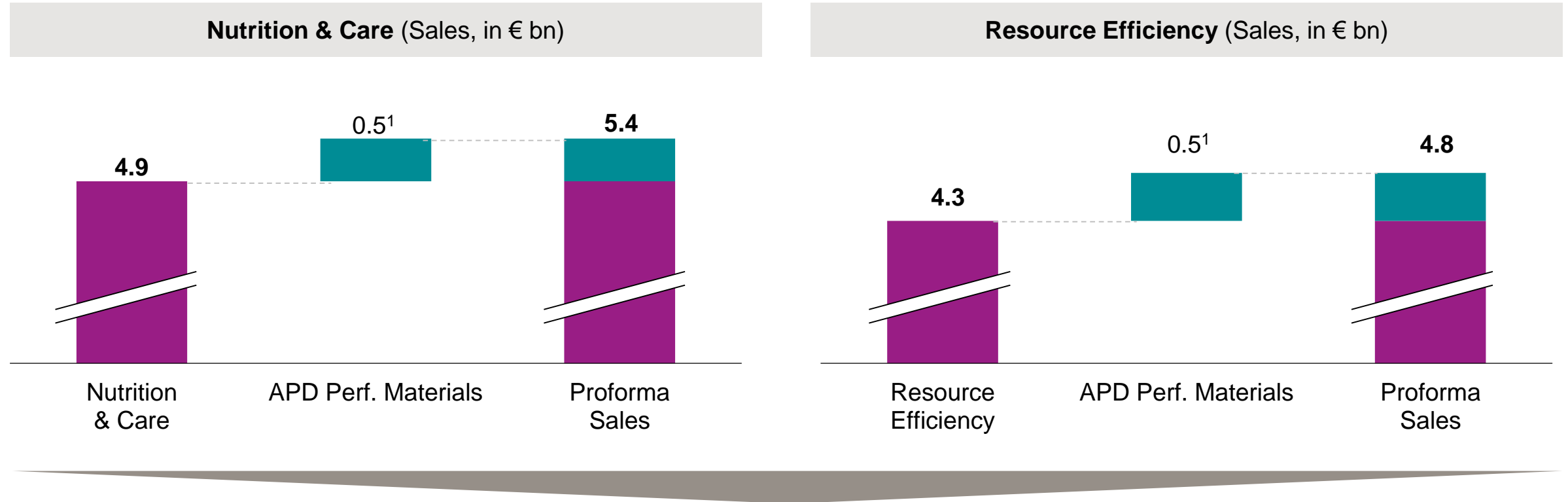
The unique APD Performance Materials product line complements Evonik's existing coating additives portfolio

Target market: Crosslinkers/Curing Agents

Expansion along the curing agents value chain for Coatings & Adhesives



Strengthening of growth segments Nutrition & Care and Resource Efficiency



Significantly increased sales of growth segments

Note: APD Performance Materials' 2015 financials are September year-end

1. APD Performance Materials' sales calendarised to December year-end and translated at EUR/USD FX rate of 1.11 as of average 2015

Financing secured



Final financing structure to consist of mix of cash and bonds



**Moody's rating upgraded from Baa2 (positive outlook) to Baa1 (stable outlook)
Standard and Poor's rating confirmed at BBB+, outlook stable**



Three-tranche bonds with a total value of €1.9 billion successfully issued in September, maturing in 2021, 2024 and 2028 with an average coupon of 0.35%

Exemplary purchase price allocation in asset deals



1. In countries where applicable

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1. Appendix to Acquisition of APD Performance Materials
- 2. Segment overview**
3. Financials
4. Investor Relations contact

Evonik Group

22 Business Lines grouped in 3 segments

Nutrition & Care



Sales
€4,924 m



Adj. EBITDA / Margin
€1,435 m / 29.1%

Animal Nutrition

Baby Care

Health Care

Personal Care

Household Care

Comfort & Insulation

Interface & Performance

Resource Efficiency



Sales
€4,279 m



Adj. EBITDA / Margin
€896 m / 20.9%

Silica

Crosslinkers

Oil Additives

Coating & Adhesive Resins

High Performance Polymers

Active Oxygens

Silanes

Coating Additives

Catalysts

Performance Materials



Sales
€3,435 m



Adj. EBITDA / Margin
€309 m / 9.0%

Performance Intermediates

Methacrylates

Acrylic Products

Functional Solutions

Agrochemicals & Polymer Additives

CyPlus Technologies

2015 financials; Business Lines ranked by turnover

Nutrition & Care

Fulfilling human needs in a globalizing world

Key characteristics

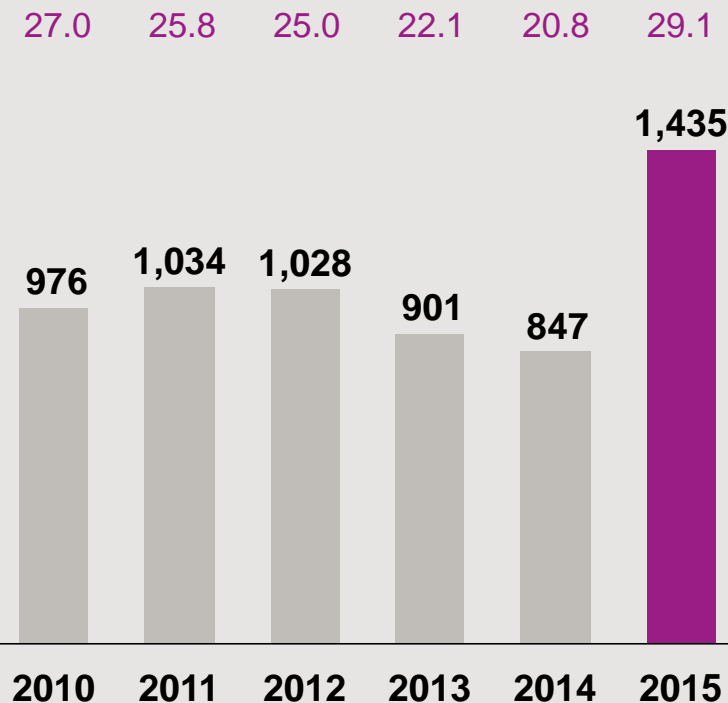
- High degree of **customer intimacy and market know-how**
- Enabling our customers to deliver **differentiating solutions** in their markets
- **Excellent technology platforms**
- **Sustainability** as major growth driver

Key products

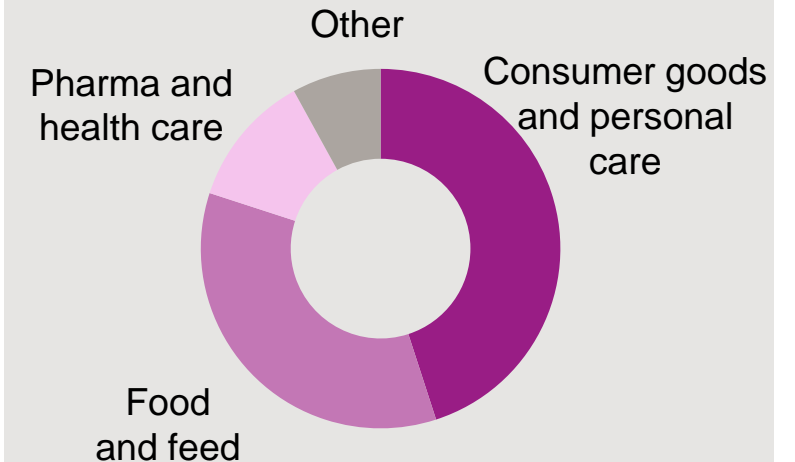
- Amino acids for professional animal nutrition
- Active ingredients for cosmetic products
- Superabsorbents for baby diapers
- Drug delivery systems for controlled drug release



Adj. EBITDA (€ m) and margin (%)







End market split



Nutrition & Care




Business Line overview (1/2)

	Animal Nutrition 	Baby Care 	Personal Care 	Household Care 
Key products	<ul style="list-style-type: none"> ▪ Methionine ▪ Lysine, Threonine, Tryptophan 	<ul style="list-style-type: none"> ▪ Superabsorbents 	<ul style="list-style-type: none"> ▪ Actives ▪ Emulsifiers ▪ Conditioners 	<ul style="list-style-type: none"> ▪ Fabric conditioners ▪ Specialty surfactants
Main Applications	<ul style="list-style-type: none"> ▪ Feed additives and services for animal nutrition 	<ul style="list-style-type: none"> ▪ Baby Care ▪ Female Care ▪ Adult Care 	<ul style="list-style-type: none"> ▪ Personal Care 	<ul style="list-style-type: none"> ▪ Laundry care ▪ Home care ▪ Car care
Market position¹	<ul style="list-style-type: none"> ▪ # 1 in Feed Amino Acids 	<ul style="list-style-type: none"> ▪ # 2-3 in superabsorbents 	<ul style="list-style-type: none"> ▪ # 4 in cosmetic ingredients 	<ul style="list-style-type: none"> ▪ # 1 in fabric softeners
Main competitors	<ul style="list-style-type: none"> ▪ Chem China/Adisseo ▪ Novus ▪ Ajinomoto ▪ Cheil Jedang 	<ul style="list-style-type: none"> ▪ BASF ▪ Nippon Shokubai 	<ul style="list-style-type: none"> ▪ Ashland ▪ BASF ▪ Croda 	<ul style="list-style-type: none"> ▪ AkzoNobel ▪ BASF ▪ Solvay ▪ Stepan

1. Company estimates for relevant markets based on multiple research reports

Nutrition & Care

Business Line overview (2/2)

	Health Care	Comfort & Insulation	Interface & Performance
Key products	 <ul style="list-style-type: none"> ▪ Active pharma ingredients ▪ Pharma grade amino acids ▪ Pharmaceutical coatings 	 <ul style="list-style-type: none"> ▪ Foam stabilizers ▪ Catalysts ▪ Release agents 	 <ul style="list-style-type: none"> ▪ Release coatings ▪ Super spreading additives
Main Applications	<ul style="list-style-type: none"> ▪ Drug delivery systems for oral and parenteral dosage ▪ Tailor-made pharmaceutical syntheses ▪ Pharma Amino Acids 	<ul style="list-style-type: none"> ▪ Furniture / appliances ▪ Construction ▪ Automotive 	<ul style="list-style-type: none"> ▪ Packaging / tapes ▪ Agrochemicals ▪ Plastic additives
Market position¹	<ul style="list-style-type: none"> ▪ # 1 Functional Polymers for Controlled Release ▪ # 2 Exclusive Synthesis ▪ # 3 Pharma Amino Acids 	<ul style="list-style-type: none"> ▪ # 1 in polyurethane foam additives 	<ul style="list-style-type: none"> ▪ # 1-2 in release coatings
Main competitors	<ul style="list-style-type: none"> ▪ BASF ▪ DSM ▪ Lonza ▪ Ajinomoto 	<ul style="list-style-type: none"> ▪ Maysta ▪ Momentive 	<ul style="list-style-type: none"> ▪ Clariant ▪ Dow Corning ▪ Momentive ▪ Wacker

1. Company estimates for relevant markets based on multiple research reports

Acquisition of Norel's probiotics – Innovative solutions for antibiotic-free animal nutrition

Growth field: Sustainable Nutrition



Step change in animal nutrition:

- Food quality and safety becoming more and more important
- Antibiotics being met with growing criticism
- Probiotics to play a pivotal role in resolving food quality and safety

Acquisition as integral part of Evonik's strategy beyond amino acids

- Leveraging our **biotechnology** competence in probiotics
- **Ecobiol®** and **Fecinor®** already approved and established as brand names
- Important step to get **access** to the regulated and attractive European probiotics market
- Evonik's approach is to combine **amino acids and probiotics**
 - ➔ Combination of animal nutrition and gut health products offers a unique package to our customers



Multiple levers to prevail in the market

Innovation leadership

- **Smart FAVOR®**
Superabsorbents, capable of adapting to the in use conditions of the diaper to allow more flexible use of hygiene articles
- **New FAVOR® for Ultrathin Diapers**
New superabsorbent generations with ideal property profile (see below) will boost performance of ultrathin diapers



Rapid scale-up excellence

- Significant improvement of scale-up abilities
- New pilot plant enables shortcut between product development and sample production for increases effectiveness and customer proximity
- Strengthening of prototyping capabilities at Krefeld site to ensure market leadership position



Superabsorbents as long-term attractive market for players with sufficient stamina to excel in production processes, upscale abilities and innovative new solution development

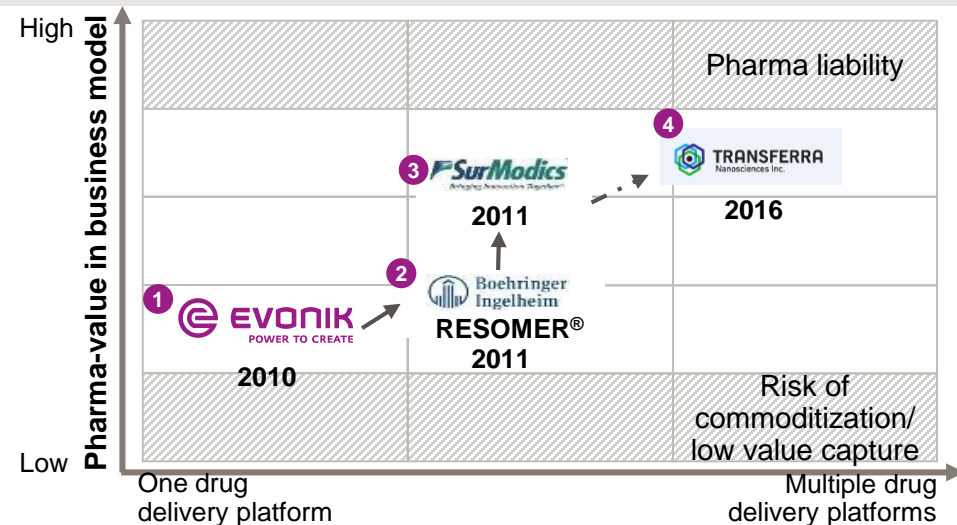
Acquisition of Transferra Nanosciences – Active technology in the drug delivery industry

**Growth field:
Healthcare
Solutions**



- Excellent strategic fit for drug delivery business
- Powerhouse for complex injectable dosage forms
- Doubling Evonik's access to relevant markets
- Global market1 size: USD1.2 bn, CAGR ~8%

Strategic roadmap towards pharma-value driven business



- 1 2010 Evonik only covered one drug delivery platform
- 2 Acquisition of RESOMER® – bioresorbable polymers
- 3 Acquisition of SurModics – services and advanced drug delivery
- 4 **Tranferra Nanosciences –** new injectable liposome technology
 - Delivering active ingredients to the virus-infected cell membrane (targeted drug delivery)

1. Market for development & manufacturing services of complex parenteral formulations

Resource Efficiency

Innovative products for resource-efficient solutions

Key characteristics

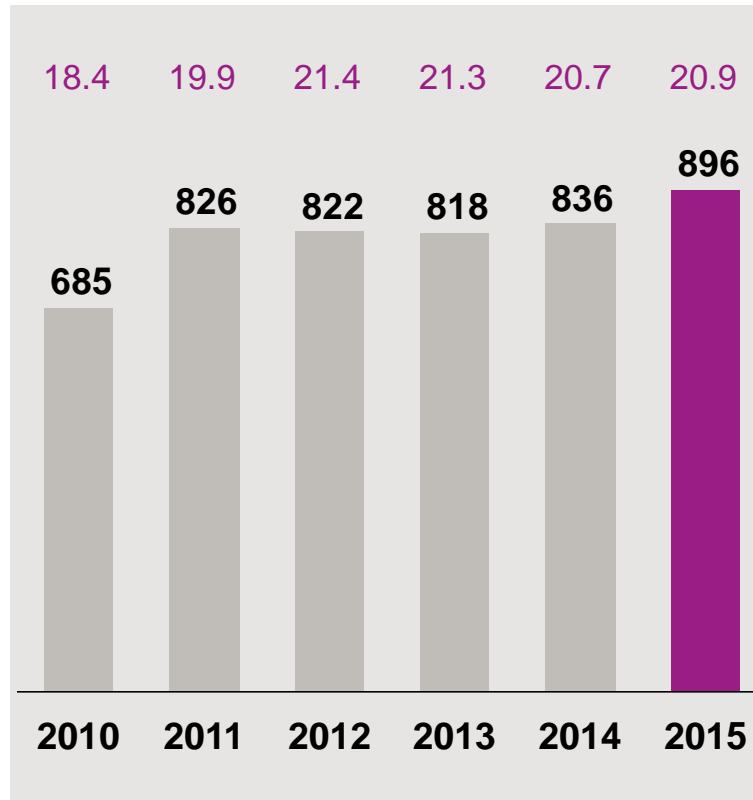
- Focus on **performance-impacting** and value-driving components
- **Minor share of cost** in most end products
- Strong focus on **technical service**
- **Low risk of substitution**
- High pricing power (**value-based pricing**)

Key products

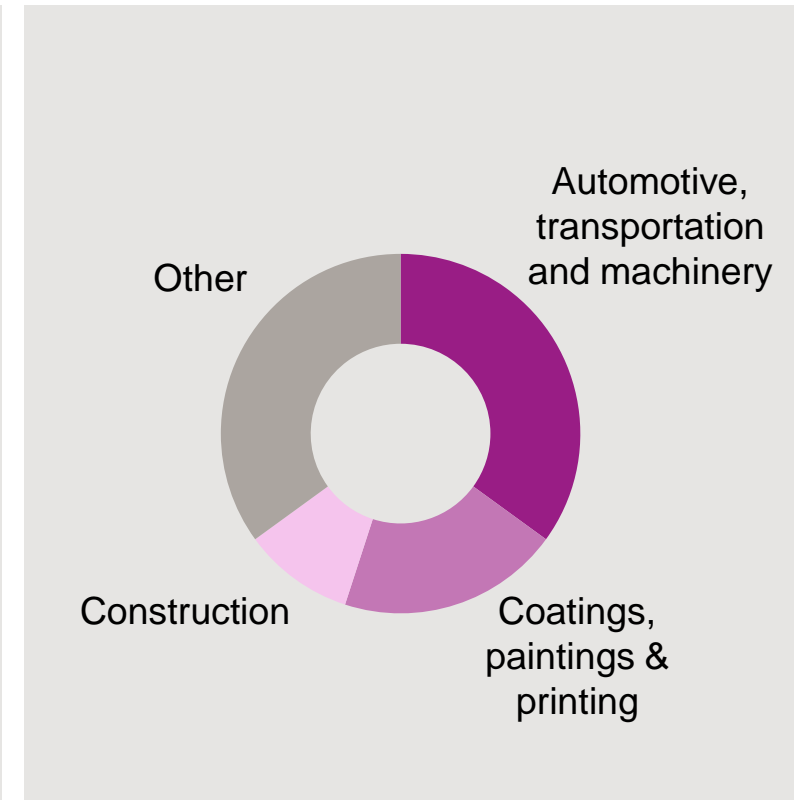
- Precipitated and fumed silica as flow property enhancers
- Crosslinkers for composite materials and coatings
- Viscosity modifiers for oils and hydraulic fluids



Adj. EBITDA (€ m) and margin (%)






End market split



Resource Efficiency




Business Line overview (1/3)

	Silica 	Oil Additives 	Crosslinkers 
Key products	<ul style="list-style-type: none"> ▪ Precipitated silica ▪ Fumed silica ▪ Special oxides 	<ul style="list-style-type: none"> ▪ Lubricant additives (viscosity modifiers) ▪ Fuel additives 	<ul style="list-style-type: none"> ▪ Crosslinkers for composites, elastomers and non-solvent coatings
Main Applications	<ul style="list-style-type: none"> ▪ Silicone rubber ▪ Tires, green tires & rubber ▪ Paints & coatings ▪ Adhesives & sealants 	<ul style="list-style-type: none"> ▪ Auto & industrials ▪ Hydraulic systems ▪ Refinery processing ▪ Biofuels 	<ul style="list-style-type: none"> ▪ Composites ▪ Coatings & paints ▪ Flooring ▪ Automotive interior
Market position¹	<ul style="list-style-type: none"> ▪ # 1 in silicas (precipitated, fumed, special oxides, matting agents and specialty fillers) 	<ul style="list-style-type: none"> ▪ # 1 in viscosity modifiers for lubricants 	<ul style="list-style-type: none"> ▪ # 1 in isophorone chemicals
Main competitors	<ul style="list-style-type: none"> ▪ Cabot ▪ JM Huber ▪ Solvay ▪ Wacker 	<ul style="list-style-type: none"> ▪ Infineum ▪ Lubrizol ▪ NewMarket (Afton) ▪ Oronite 	<ul style="list-style-type: none"> ▪ Arkema ▪ BASF ▪ Covestro

1. Company estimates for relevant markets based on multiple research reports

Resource Efficiency

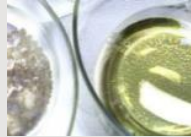


Business Line overview (2/3)

	Active Oxygens	High Performance Polymers	Coating & Adhesive Resins
			
Key products	<ul style="list-style-type: none"> Hydrogen peroxide 	<ul style="list-style-type: none"> High perf. polyamide (PA12) Polyetheretherketone (PEEK) Membranes and Polyimide fibres 	<ul style="list-style-type: none"> Functional resins Adhesive hot melts Heat sealants Polybutadiene
Main Applications	<ul style="list-style-type: none"> Oxidising agent in chemical reactions Pulp & paper bleaching 	<ul style="list-style-type: none"> Automotive components Medical Oil & gas pipes 	<ul style="list-style-type: none"> Hot melt Pre coated metal Protective coatings Road marking
Market position¹	<ul style="list-style-type: none"> # 2 in hydrogen peroxide 	<ul style="list-style-type: none"> # 1 in PA12 	<ul style="list-style-type: none"> # 1 in polyester resins
Main competitors	<ul style="list-style-type: none"> Arkema Solvay 	<ul style="list-style-type: none"> Arkema EMS Solvay Victrex 	<ul style="list-style-type: none"> Dow DSM Mitsubishi Chemical

1. Company estimates for relevant markets based on multiple research reports

Resource Efficiency

Business Line overview (3/3)

	Silanes 	Coating Additives 	Catalysts 
Key products	<ul style="list-style-type: none"> ▪ Chlorosilanes ▪ Organofunctional silanes ▪ Rubber silanes 	<ul style="list-style-type: none"> ▪ Additives for eco-friendly and highly solid industrial coatings 	<ul style="list-style-type: none"> ▪ Activated base metal catalysts ▪ Precious metal catalysts ▪ Catalysts for industrial & petrochemicals
Main Applications	<ul style="list-style-type: none"> ▪ Fumed silica ▪ Optical fibres ▪ Adhesive & sealants ▪ Building protection 	<ul style="list-style-type: none"> ▪ Eco-friendly coatings (low VOC, water based) ▪ High solid industrial coatings 	<ul style="list-style-type: none"> ▪ Catalysts for chemical processes ▪ Enabler for process efficiency / innovation
Market position¹	<ul style="list-style-type: none"> ▪ # 1 in chlorosilanes ▪ # 1 in organofunctional and rubber silanes 	<ul style="list-style-type: none"> ▪ # 2 in high performance additives for coatings and inks ▪ # 1-2 in silicone resins for special applications 	<ul style="list-style-type: none"> ▪ #1 in precious metal powder catalysts ▪ #3 in activated base metal catalysts
Main competitors	<ul style="list-style-type: none"> ▪ Dow Corning ▪ Momentive ▪ Shin Etsu ▪ Tokuyama 	<ul style="list-style-type: none"> ▪ Altana ▪ BASF ▪ Dow Corning 	<ul style="list-style-type: none"> ▪ BASF ▪ Clariant ▪ Johnson Matthey ▪ WR Grace

1. Company estimates for relevant markets based on multiple research reports

Business Line Silica

Hydrophobic precipitated silica expansion

Evonik strengthening #1 position in silica

- Plant extension in Wesseling to **double capacity** for production of hydrophobic precipitated silica
- Example for growth in higher margin specialty



Hydrophobic:

Surface modification to alter functionality of silica (reduced attraction towards water)

Advantages:

Hydrophobic silica offer additional properties, e.g. increased demulsifying effectiveness, which enables new applications.

Industry and application examples

Target markets:

Technical Powders, Defoamers, Feed, Agriculture, Home Care

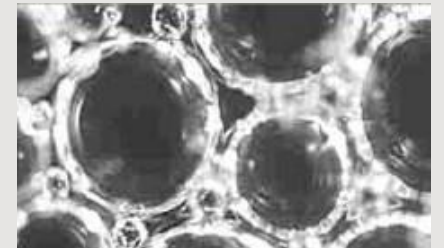
Application examples:

Carrier for liquid defoamer and viscosity control of defoamer oils

- Flowability in superabsorbers for e.g. diapers
- Ensure anti-caking of fire extinguishing powders
- Increased yield in bio ethanol production by allowing better separation of components



Improved flowability by hydrophobic Silica



Enhanced defoaming properties

Performance Materials

Integrated production platforms for efficient production of rubber and plastic intermediates

Key characteristics

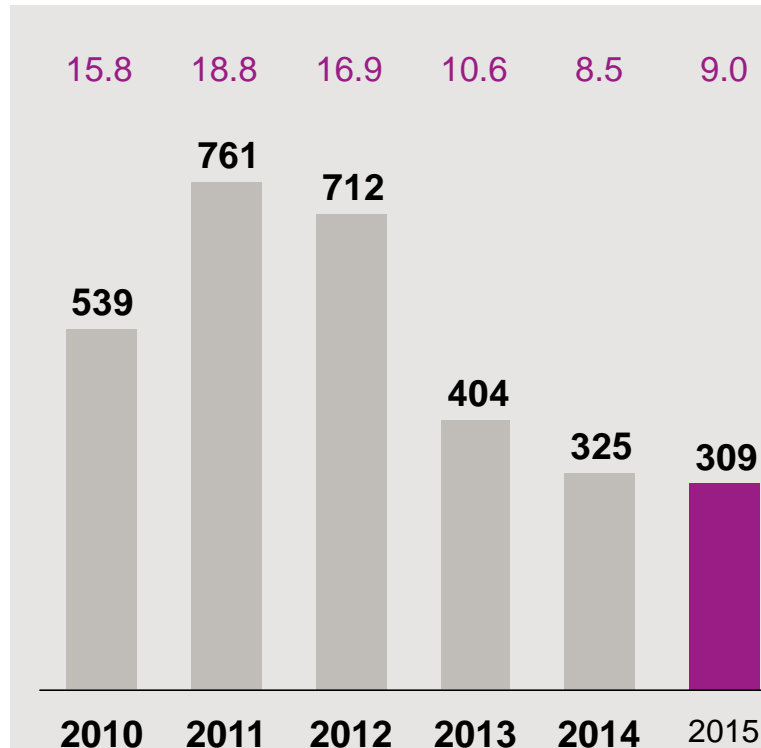
- Strong **integrated production platforms**
- **Leading cost positions**
- Favorable **raw material access**
- Focus on **continuous efficiency improvements**
- High degree of **supply reliability**

Key products

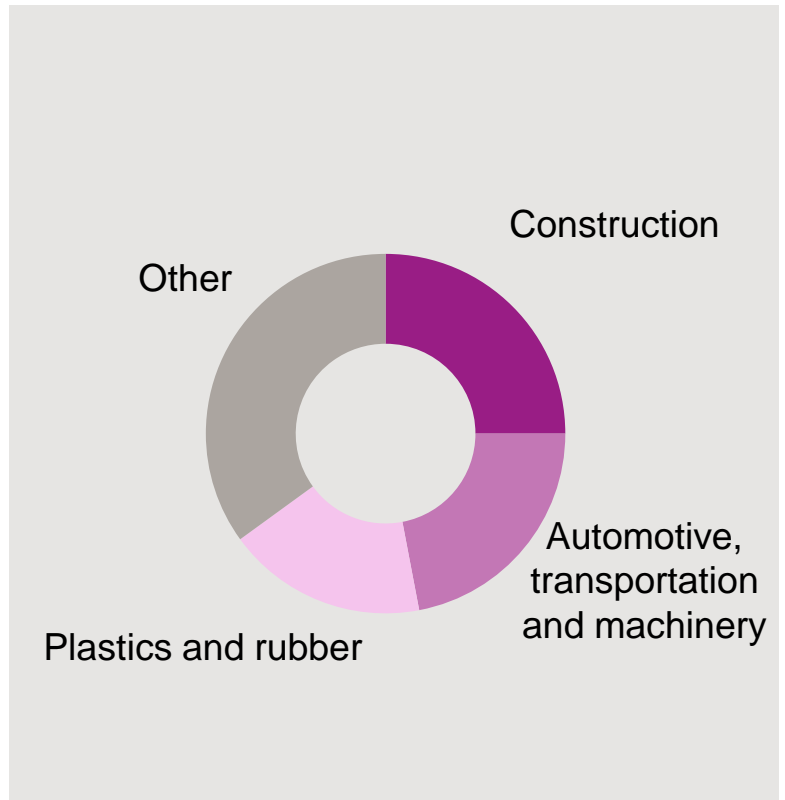
- Acrylic sheets, molding compounds (PMMA) and its precursors (MMA), e.g. for LED and touch screens
- Butadiene for synthetic rubber
- MTBE as fuel additive



Adj. EBITDA (€ m) and margin (%)






End market split



Performance Materials




Business Line overview (1/2)

	Performance Intermediates 	Methacrylates 	Acrylic Products 
Key products	<ul style="list-style-type: none"> Butadiene MTBE Butene-1 Plasticizers (INA&DINP) 	<ul style="list-style-type: none"> Methylmethacrylate (MMA) & application monomers Molding compounds (PMMA granulate) 	<ul style="list-style-type: none"> Acrylic sheets and semi-finished Products (Plexiglas / Acrylite) PMMA systems
Main Applications	<ul style="list-style-type: none"> Plastics Styrene-Butadiene-Rubber High performance polymers 	<ul style="list-style-type: none"> Coatings PMMA extrusion Light-weight systems Automotive components 	<ul style="list-style-type: none"> Construction Light-weight systems Automotive components Light-guiding systems
Market position ¹	<ul style="list-style-type: none"> # 1 in butene-1 	<ul style="list-style-type: none"> # 2 in MMA # 1-2 in PMMA molding compounds 	<ul style="list-style-type: none"> # 1-2 in PMMA sheets
Main competitors	<ul style="list-style-type: none"> BASF Sabic LyondellBasell 	<ul style="list-style-type: none"> LG MMA Mitsubishi Chemicals Sumitomo 	<ul style="list-style-type: none"> Arkema Mitsubishi Chemicals Sumitomo

1. Company estimates for relevant markets based on multiple research reports

Performance Materials

Business Line overview (2/2)

	Agrochemicals 	Functional Solutions 	CyPlus Technologies 
Key products	<ul style="list-style-type: none"> ▪ Triacetonamine ▪ Crosslinkers ▪ Precursors for crop protection 	<ul style="list-style-type: none"> ▪ Alkoxides (e.g. sodium methylate) 	<ul style="list-style-type: none"> ▪ Sodium cyanide ▪ Potassium cyanide
Main Applications	<ul style="list-style-type: none"> ▪ Polymer additives ▪ Optical brighteners ▪ Photovoltaic ▪ Agro chemicals 	<ul style="list-style-type: none"> ▪ Catalysts for biodiesel production 	<ul style="list-style-type: none"> ▪ Precious metals mining ▪ Fine chemicals
Market position¹	<ul style="list-style-type: none"> ▪ n.a. 	<ul style="list-style-type: none"> ▪ # 1 in alkoxides 	<ul style="list-style-type: none"> ▪ n.a.
Main competitors	<ul style="list-style-type: none"> ▪ Lanxess ▪ Weylchem 	<ul style="list-style-type: none"> ▪ BASF ▪ DuPont 	<ul style="list-style-type: none"> ▪ AGR ▪ DuPont ▪ Orica

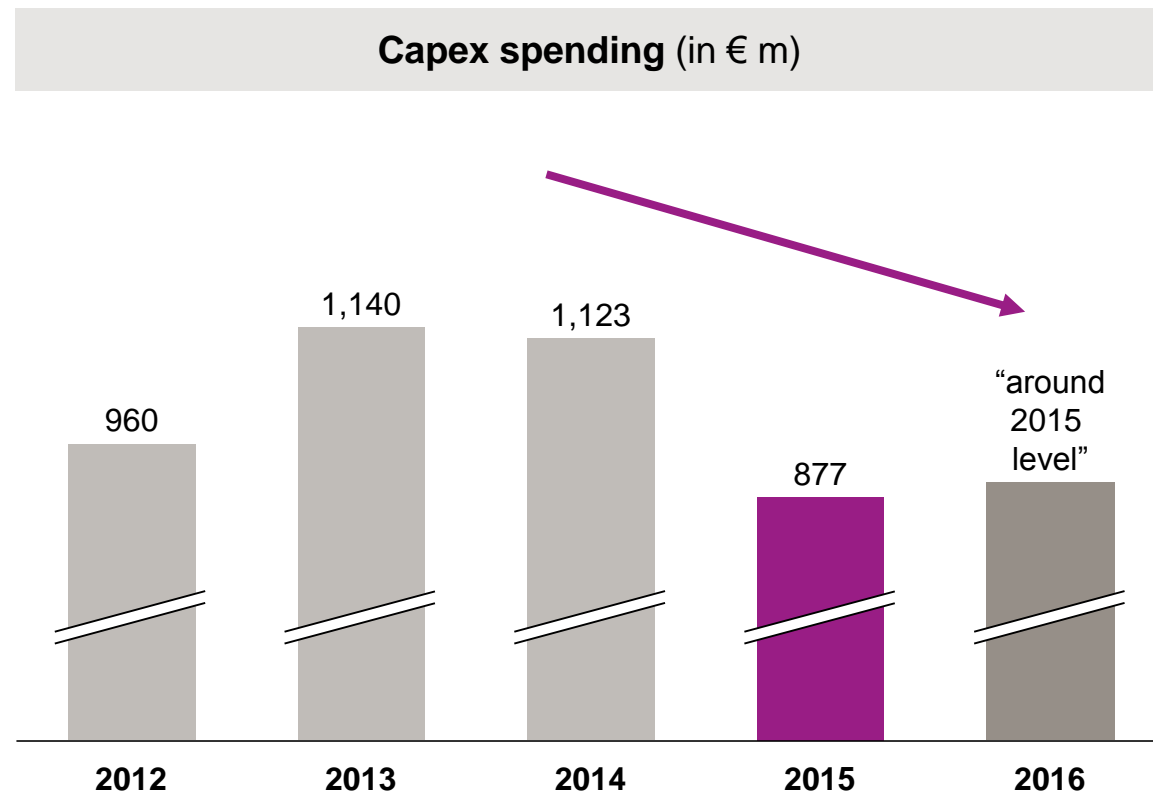
1. Company estimates for relevant markets based on multiple research reports

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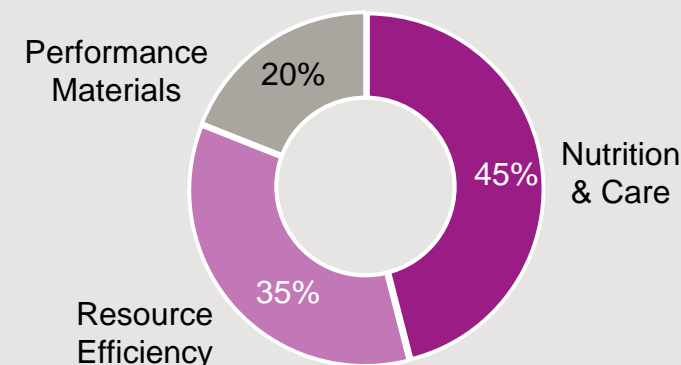
1. Appendix to Acquisition of APD Performance Materials
2. Segment overview
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Investments

Capex brought down to sustainable level



- Declining capex since 2013
- Notable decline in 2015 after completion of major projects
→ **sustainable capex level of €800 - 900 m already reached**
- Selective, smaller growth investments going forward with a clear focus on the two growth segments
- Groundbreaking for 2nd methionine plant in Singapore in October 2016; CAPEX spending of more than half a billion € expected from 2017 to 2019



1. Sustainable level 2016 ff.

Investments

Selective, smaller projects announced for 2017/18

Major projects successfully completed in 2015....

C4 expansion

Germany, Belgium

Rationale: feedstock diversification



Oil Additives exp.

Singapore

Rationale: enable growth in Asia



Personal Care plant

Brazil

Rationale: establish local production



... and selective, smaller projects with start-up planned for 2017/18

Polyimide membrane exp.

Austria

Start-up: 2017
Volume: <50 m



PA12 powder exp.

Germany

Start-up: 2017
Volume: <50 m



Copolyester plant

Germany

Start-up: 2018
Volume: <50 m



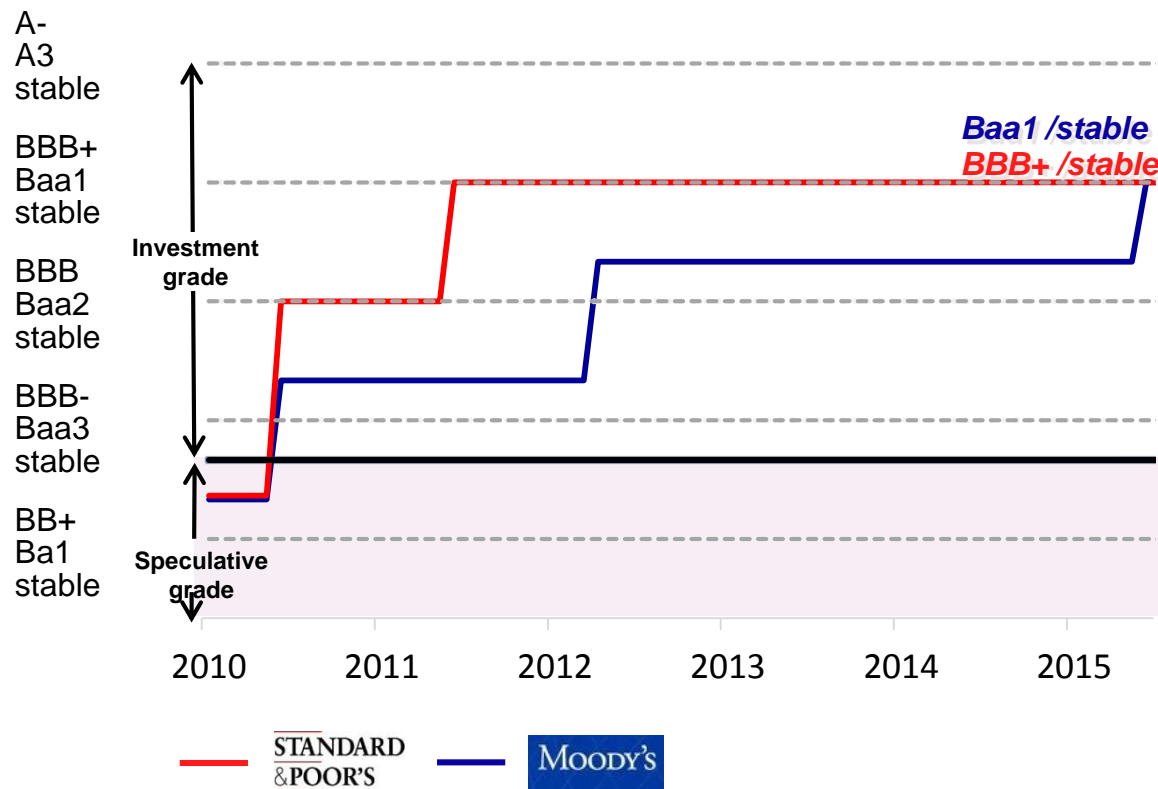
Efficiency

Cost improvement integral part of Evonik's DNA



Financial policy

Maintaining a solid investment grade rating



BBB+ (stable)

Rating affirmed at BBB+ stable on May 6, 2016 shortly after APD Performance Materials acquisition (PM acquisition) announcement

- Will enhance Evonik's business risk profile
- Resilient combined performance expected

MOODY'S

Baa1 (stable)

Rating upgraded to Baa1 stable from Baa2 positive on May 10, 2016 also after PM acquisition

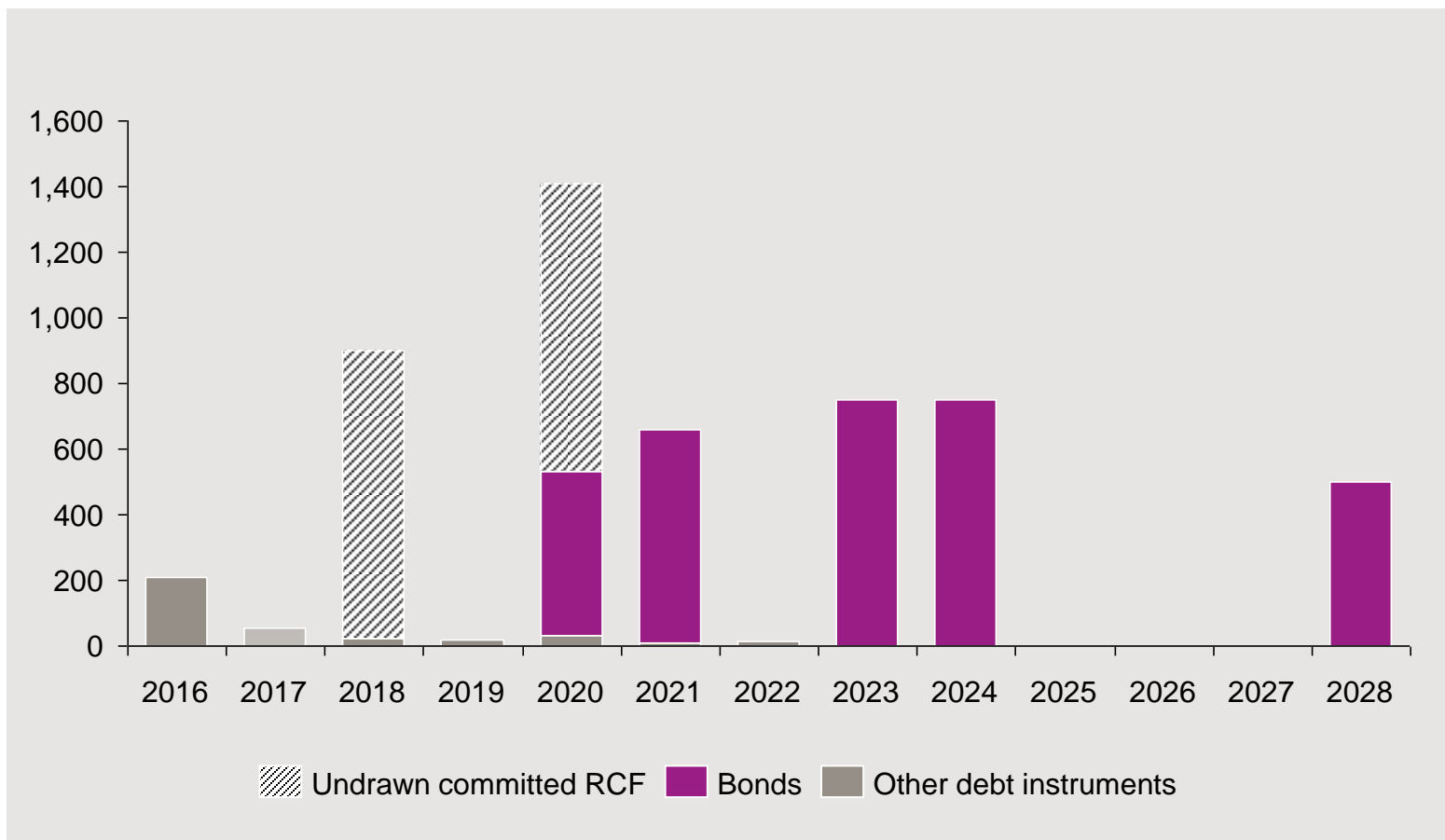
- Specialty chemicals franchise will be improved
- Further strengthening by adding scale and diversity

Maintaining a solid investment grade rating is a central element of our financial strategy

Debt structure

Balanced maturity profile

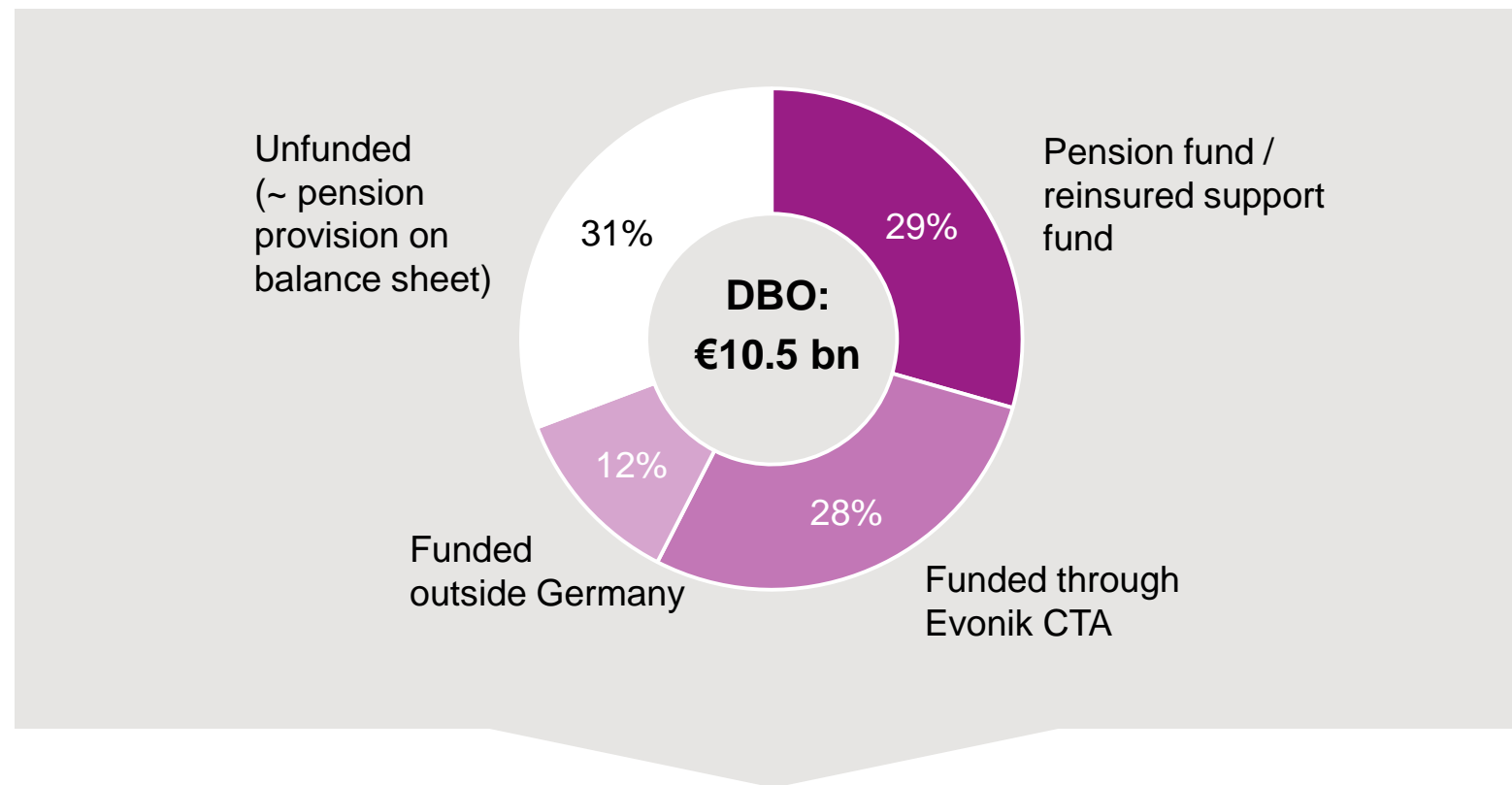
(in € m as of 30 September 2016)



- Three-tranche bonds with a total value of €1.9 billion successfully issued in September, maturing in 2021, 2014 and 2028 with an average coupon of 0.35%
- New bond issuance reduces the average interest rate on capital market debt from 1.35% p.a. to 0.74% p.a
- Proceeds to be used for financing of APD Performance Materials acquisition
- Maturity of syndicated revolving credit facility (RCF) in 2018/20 (€875 m each); currently fully undrawn

Pensions

Pension funding overview as of Dec 31, 2015



Funding level increased to >65%

- Pensions very long-term, patient debt (>16 years) with no funding obligations in Germany
- DBO level of €10.5 bn stable in 2015 vs. prior year
- CTA cash contribution plan of in total €1.6 bn (2010-2015) completed with final cash injection of €200 in Q4 15
- Funding ratio increased to >65%

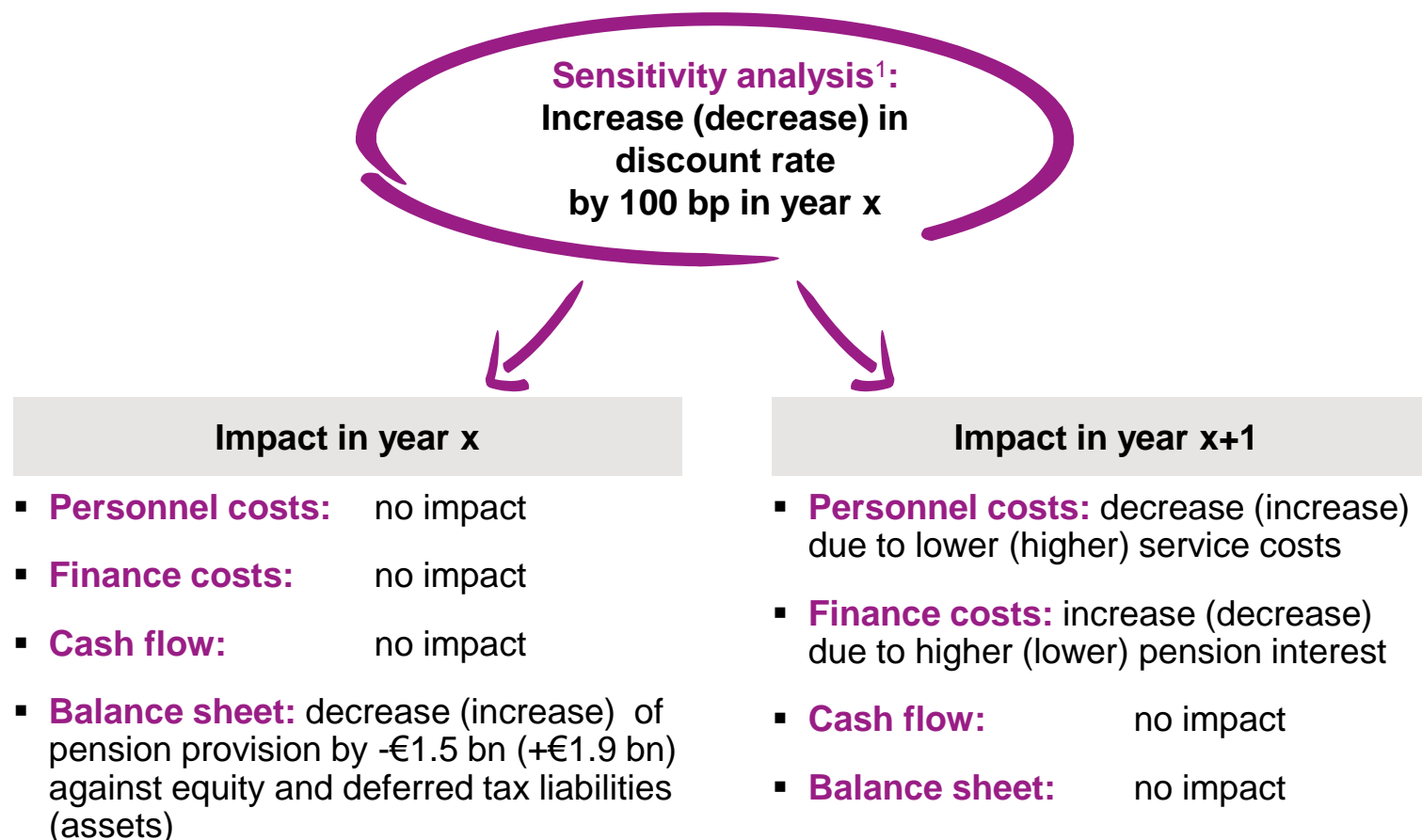
Pensions

Breakdown of P&L and cash flow effects

P&L	in € m	P&L item / KPI	2014	2015	Annual report
	Current service costs	Adj. EBITDA	-172	-191	p. 182
	Interest costs	Net interest expense	-341	-281	p. 182
	Exp. return on plan assets	Net interest expense	+221	+185	p. 183/184
	Other	Adj. EBITDA	-38	-40	p. 184
	Total pension expense		-330	-327	
Cash flow	in € m		2014	2015	Annual report
	Benefits paid	From defined benefit plans	-404	-433	p. 182
	Benefits paid from plan assets		+163	+185	p. 183
	Contribution to plan assets (excl. CTA)		-135	-145	p. 183
	Payments under defined contribution plans		-144	-156	p. 184
	Total cash out for pensions (excl. CTA)		-520	-549	

Pensions

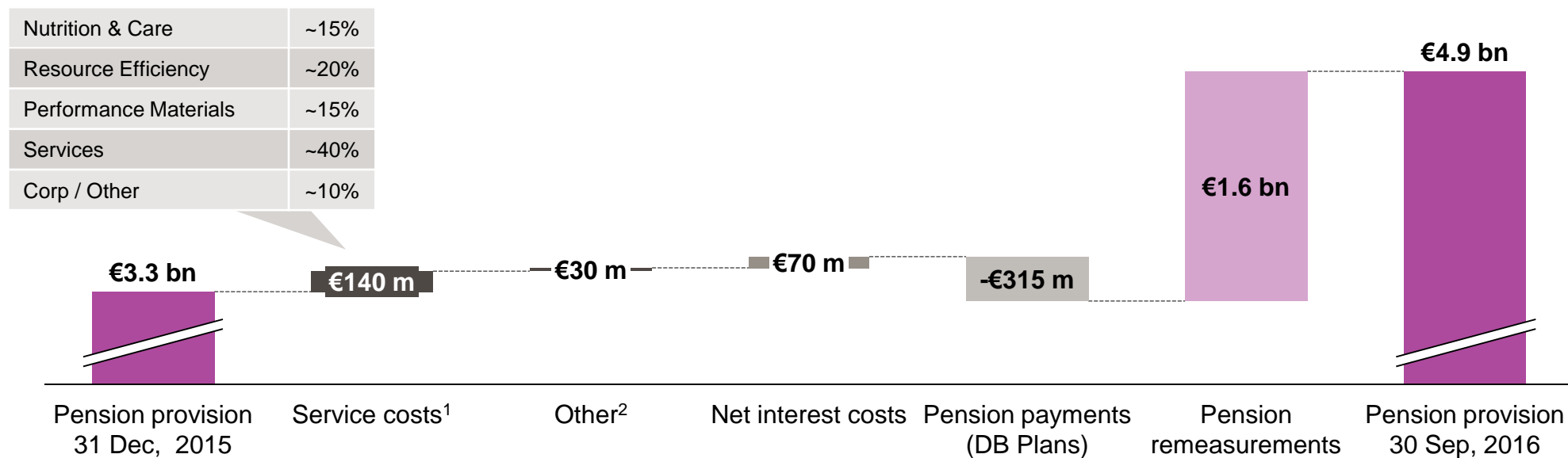
Sensitivity to discount rate changes



1. Excluding any effects from potential actuarial changes and changes in the valuation of plan assets

Pension accounting

Reconciliation of pension provision (as of Sep 2016 YTD)



In financial statement:

EBITDA: personnel expenses

Financial Result

Operating cash flow³

Balance sheet (Equity)

Indication for 2017:

Discount rate +/- 25 bp change: impact of +/- ~€20 m in EBITDA

No notable change

broadly unchanged

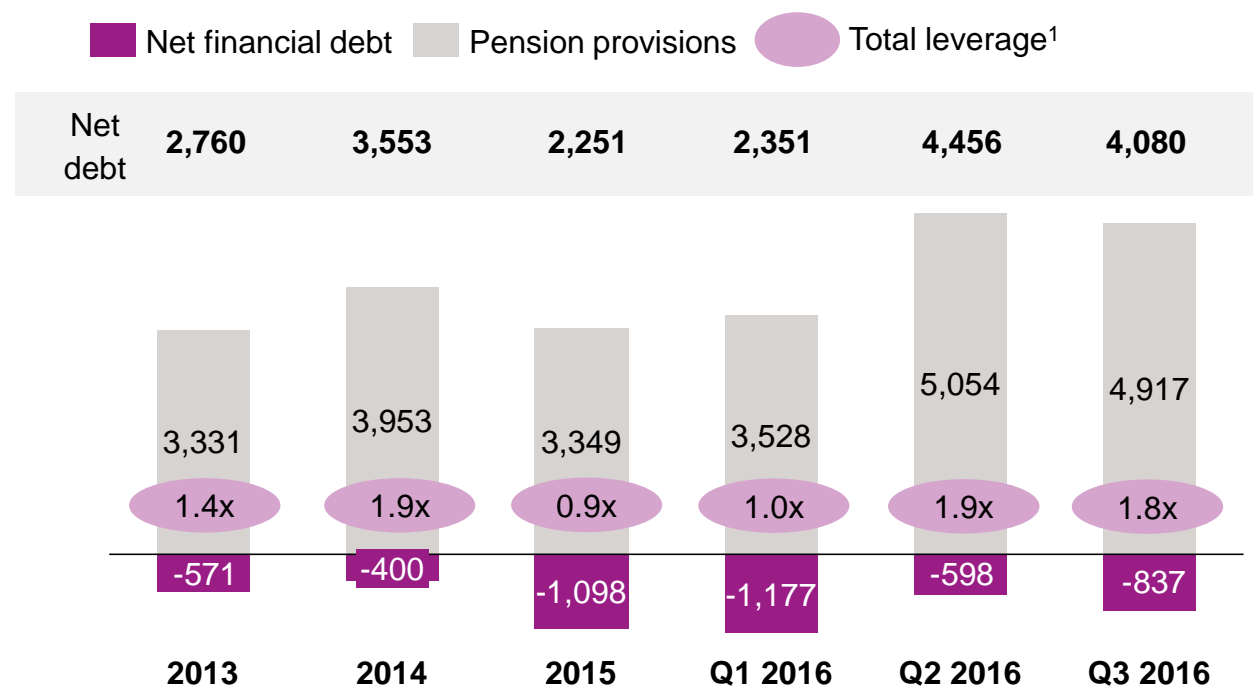
depending on future discount rate

1. Service costs = present (discounted) value of the future/projected pension benefits earned by active employees | 2. Employee contribution

3. Line item "Change in provisions for pensions" in operating cash flow statement: -€125 m | Reconciliation: pension payments (€315 m) - service costs (€140 m) - other (€30 m) - investing cash flow / transfer to pension trust fund / tax effects (€14 m) = €131 m

Net debt development

(in € m)



- Majority of debt consists of long-dated pension obligations; average life of DBO exceeds 15 years
- Pension provisions are partly balanced by corresponding deferred tax assets of ~€1.4 bn
- Slight reduction of pension provisions in Q3 (vs. Q2) due to strong performance of plan assets
- Reduction of net debt thanks to positive free cash flow

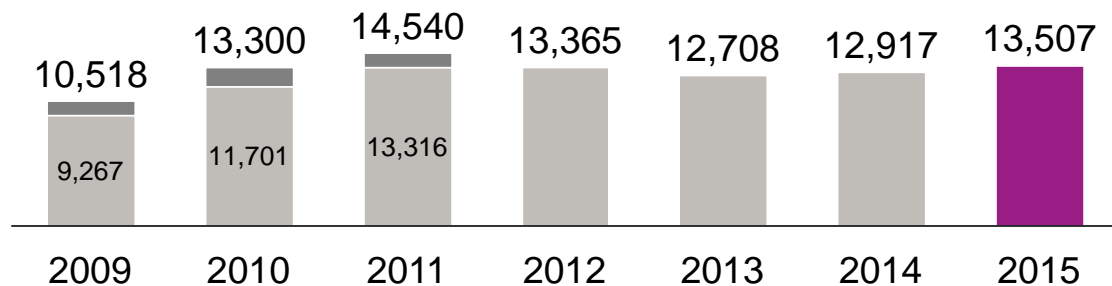
3.84	2.65	2.91	-	-	-	Evonik Group global discount rate ²
3.75	2.50	2.75	2.50	1.50	1.50	Evonik discount rate for Germany

1. Total leverage defined as (net financial debt + pension provisions) / adj. EBITDA LTM | 2. Calculated annually

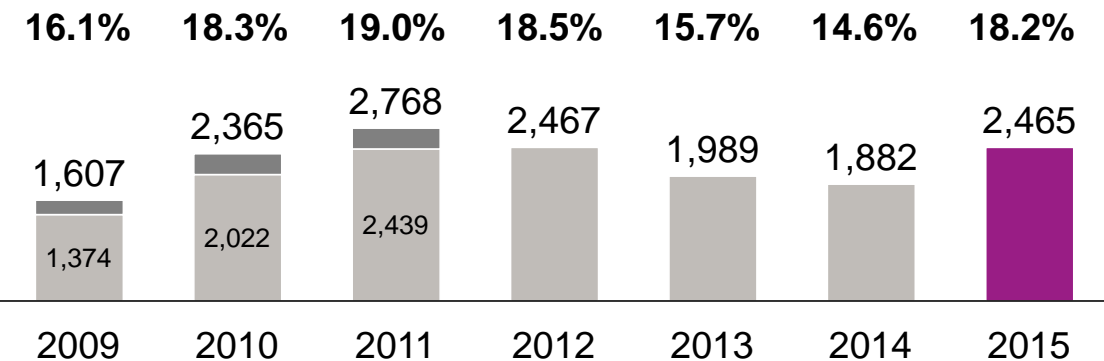
Financial track record

Sales (in € m)

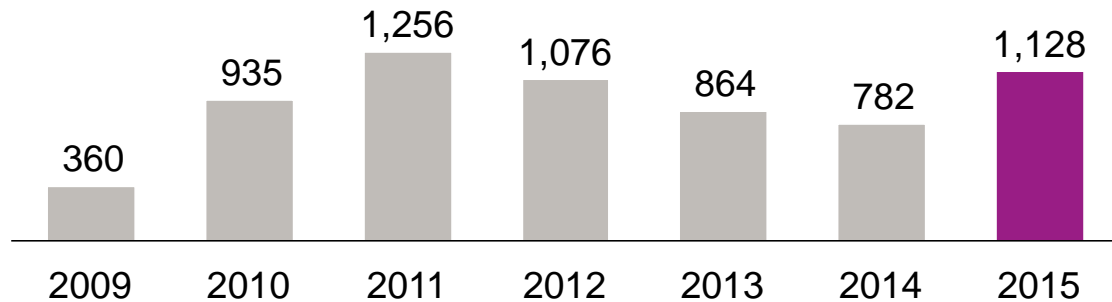
■ Carbon Black/Real Estate



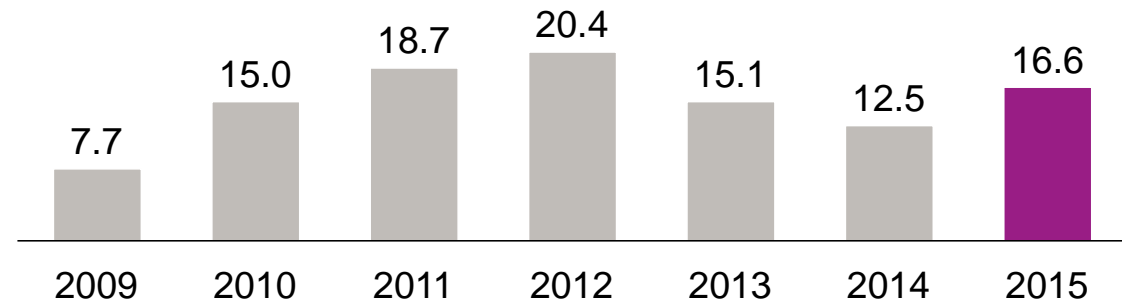
Adj. EBITDA (in € m) / margin¹



Adj. Operating Income (in € m)



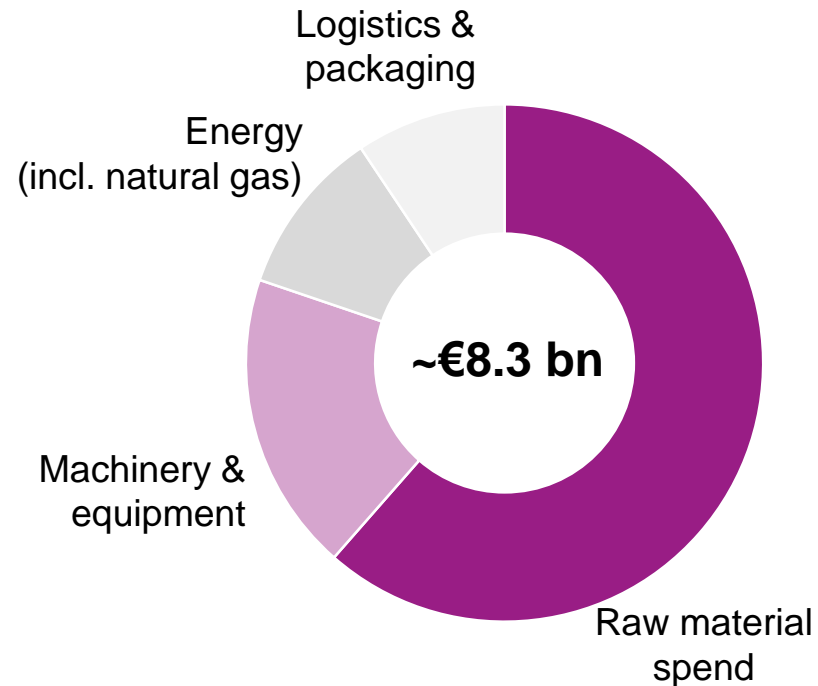
ROCE (in %)



1. Excluding Carbon Black

Raw material split

Total procurement volume 2015 (in € m)



Oil price link of raw material spend¹ (examples)

No oil price link

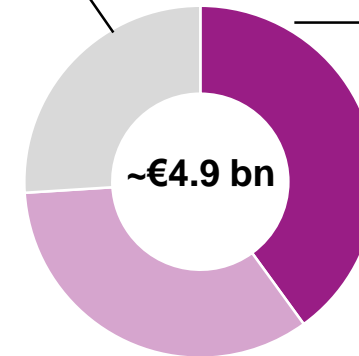
- Sodium silicate (Silica)
- Sugar (Animal Nutrition)
- Fatty acids (Personal Care)

Direct oil price link

- CC4 (Performance Intermediates)
- Propylene (Baby Care, Animal Nutrition)

Indirect oil price link

- Acrylic acid (Baby Care)
- Acetone (Coatings & Additives, Acrylic Monomers)
- Methanol (Acrylic Monomers, Performance Intermediates)



1. Raw material spend 59% of total procurement volume in 2015

Management compensation

Fixed salary ~1/3	<ul style="list-style-type: none">▪ To be paid in cash for each financial year on a monthly basis	
Bonus ~1/3	<ul style="list-style-type: none">▪ To be paid out in cash annually▪ Pay-out calculated on the basis of the achievement of certain, primarily value creation focused KPIs (e.g. ROCE, adj. net income, adj. EBITDA) and accident performance	<ul style="list-style-type: none">▪ Factor of between 0.8 and 1.2 to take into account the achievement of further individual targets▪ Bonus capped at 200% of initial target
Long-term incentive plan ~1/3	<ul style="list-style-type: none">▪ Granted LTI target amount is calculated in virtual shares (4-year lock-up)▪ Value of LTI to mirror the development of Evonik's share price (incl. dividends)▪ Amount payable is determined by two performance elements	<ul style="list-style-type: none">▪ Absolute performance: Real price of the Evonik share▪ Relative performance against external index benchmark (MSCI Chemicals)▪ Bonus capped at 300% of initial amount▪ To be paid out in cash after lock-up period

Table of contents

1. Appendix to Acquisition of APD Performance Materials
2. Segment overview
3. Financials
- 4. Investor Relations contact**

IR events

Conferences & Roadshows

5 December 2016	Berenberg European Conference London
6-7 December 2016	Bank of America European Chemicals Conference London
9-10 January 2017	Commerzbank German Investment Seminar New York
16 January 2017	Kepler Cheuvreux German Corporate Conference Frankfurt / Main

Next reporting dates

2 March 2017	Q4 / FY 2016 reporting
5 May 2017	Q1 2017 reporting
23 May 2017	Annual General Meeting 2017
3 August 2017	Q2 2017 reporting
3 November 2017	Q3 2017 reporting

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