# Evonik. Power to create.

## Company presentation





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## **Evonik is committed to deliver sustainable profitable growth in specialty chemicals**



Our businesses are aligned towards:

Allocation of resources according to **global megatrends** and **high growth opportunities** 

Strengthening of **leading market** positions by development of **tailor-made and innovative solutions** together with clients

Strategic and financial discipline:

Proven track record in portfolio optimization

Solid balance sheet and disciplined use of funds

Clear Commitment:

to deliver sustainable growth

to increase profitability

Value generation for our shareholders

## Increasing challenges for European chemicals industry



## Global chemicals industry expected to continue to outgrow global GDP, but ...

Demand growth mainly in emerging countries leading to further shift of markets towards Asia Growth Product life cycles becoming shorter with an increasing commoditization of product portfolios Changing competitive structures due to Asian competition Partly higher raw material and operating costs in Europe compared to other Competitiveregions (USA, Middle East) ness High investment needs are no longer a barrier to entry

## Reassessment of Evonik's position and portfolio: More differentiated management needed



One of the world leaders in specialty chemicals operating in markets supported by high-growth megatrends

Current portfolio includes customer- & solution-oriented as well as technology- & product-focused businesses

Management of individual businesses not yet differentiated enough







## Differentiated management tailored to specific needs of individual businesses



Consumer, Health & Nutrition

**Resource Efficiency** 

Leading in customized, individual and innovation-driven solutions



- Markets with high margins, GDP+ growth rates and strong barriers to entry
- Joint R&D with customers and innovative solutions are of high importance

- Focus on above-average profitable growth
- High returns on invested capital
- Concentrate growth capex on these areas and expansion with selective acquisitions

#### **Specialty Materials**

#### Leading in productdriven activities



- More product-driven, energy and raw material-intensive businesses
- Characterized by integrated technology platforms, efficient processes and high market penetration
- Further efficiency and effectiveness enhancements
- High cash returns
- Investments and, where appropriate, alliances to secure good market positions



### Levers for sustainable value creation

#### **Innovation**

- Differentiated focus of innovation activities according to specific business needs
- Strong market & customer orientation as basis for successful R&D

### **Organic growth**

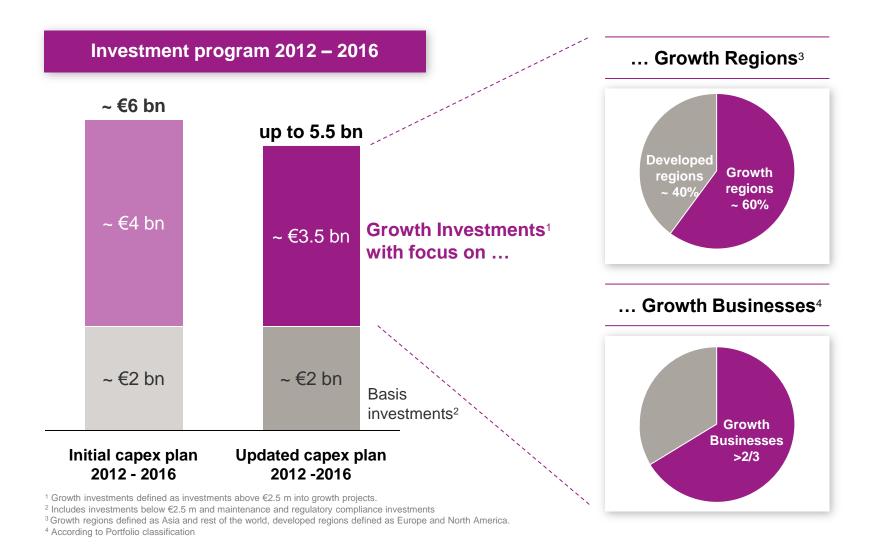
- Ramp-up of investment projects according to plan
- Taking advantage of **flexibility** in investment program

### **External growth**

Acquisitions as an additional route for value creation

## Investments addressing growth opportunities, disciplined and flexible approach in execution





## Acquisitions as additional route for value creation

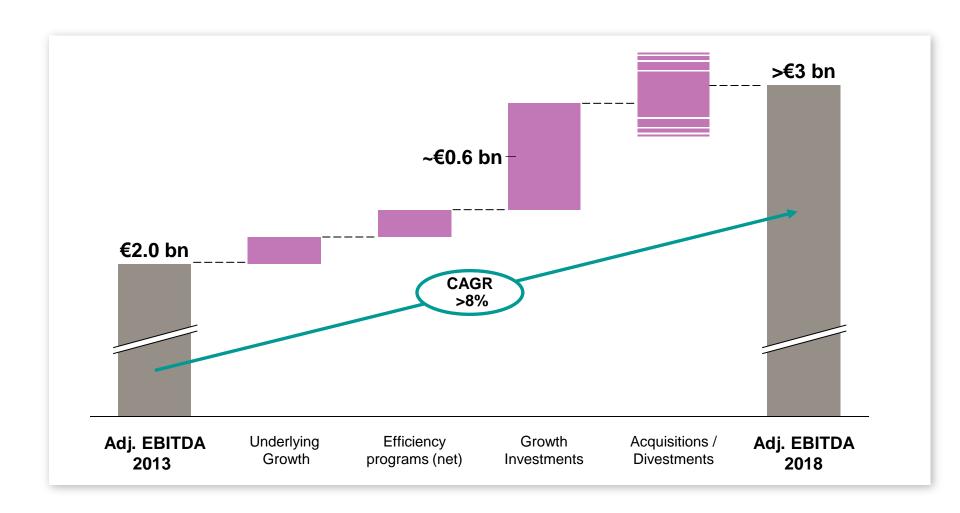


- Acquisitions as additional growth route to create value:
  - Accelerated entrance into adjacent markets and businesses
  - Enable growth in asset-light businesses
  - Strengthening of **resilience** against market or product cycles
  - Value enhancement via synergies
- Further growth and sharpening of specialty chemicals portfolio in Consumer, Health & Nutrition / Resource Efficiency
- Potential driver for subsequent portfolio adjustments

• Strong financial profile offers flexibility for external growth

## Aspiration level: Adj. EBITDA of >€3 bn and an attractive premium on cost of capital







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## Highlights Q3 2014 Earnings improvement gaining momentum





Sales of €3,243 m slightly exceed prior year level (+1%); volume growth (+2%) continuing, prices approaching break-even level (-1%)



Adj. EBITDA of €501 m again with sequential improvement (Q1: €457 m; Q2: €467 m) Consumer, Health & Nutrition and Specialty Materials with better earnings qoq; Resource Efficiency continuing on high profitability levels



STEAG proceeds of €569 m received in Q3, leading to **net cash position** again Increase in pension provisions (+€539 m) due to further lowered discount rate

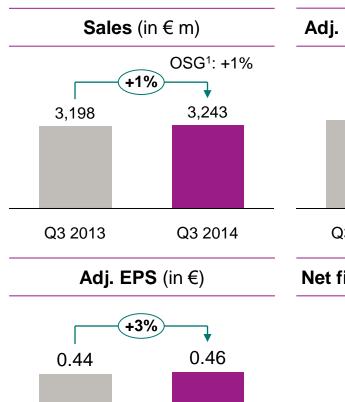


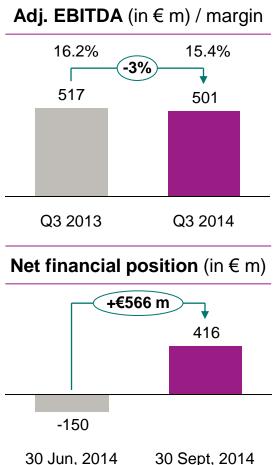
Outlook for 2014 confirmed:

Adj. EBITDA in the lower rather than upper part of €1.8 - 2.1 bn range

### Financial highlights Q3 2014 Adj. EPS above prior year level







- yoy reported (+1%) and organic (+1%) sales growth
- Solid volume growth (+2%) despite maintenance and higher base in H2 2013
- Steadily improving price trend(Q4: -6%; Q1: -4%; Q2: -2%; Q3: -1%)
- No more negative FX effects (+/-0%)
- Adj. EPS at €0.46 above PY level mainly due to lower adj. tax rate of 26%
- Net cash position from positive operating cash flow (€312 m) and proceeds from sale of 49% STEAG stake

Prior year figures restated for STEAG deconsolidation and IFRS 11 changes ¹ OSG = Organic sales growth (volume + price development)

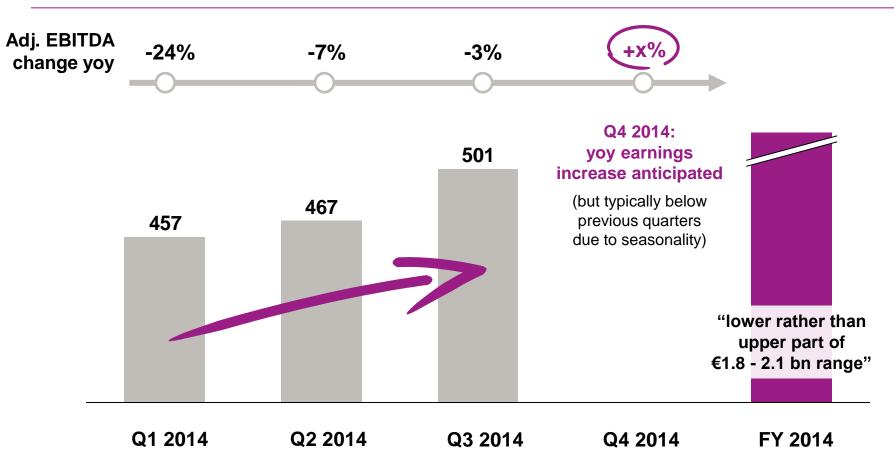
Q3 2013

Q3 2014

## Outlook for 2014 confirmed On track to meet lower part of range

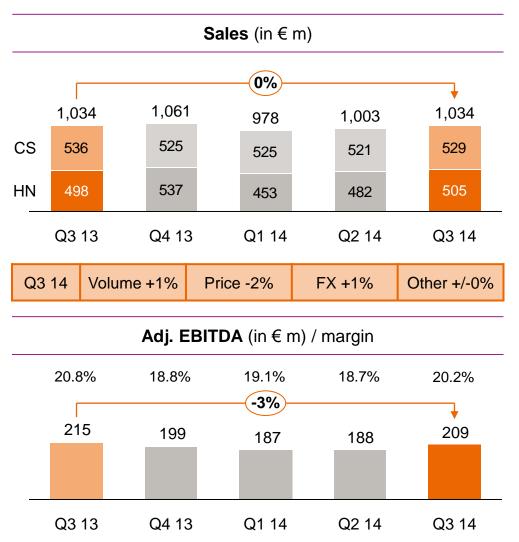






## Consumer, Health & Nutrition Earnings almost on prior year level

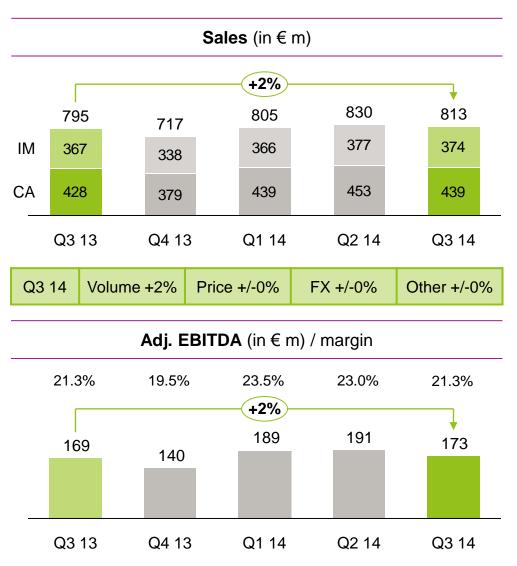




- Sales sequentially improved due to good volume and price development in amino acids
- Consumer Specialties' earnings lower yoy due to reduced volumes in Baby Care and ramp-up costs in Personal Care
- Health & Nutrition with yoy and qoq earnings improvement
- Methionine with expected strong performance: tight supply and healthy demand leading to steadily increasing prices throughout the quarter at maximum utilization rates
- Improving supply/demand and slow but steady price recovery in Lysine

## Resource Efficiency Continued high profitability

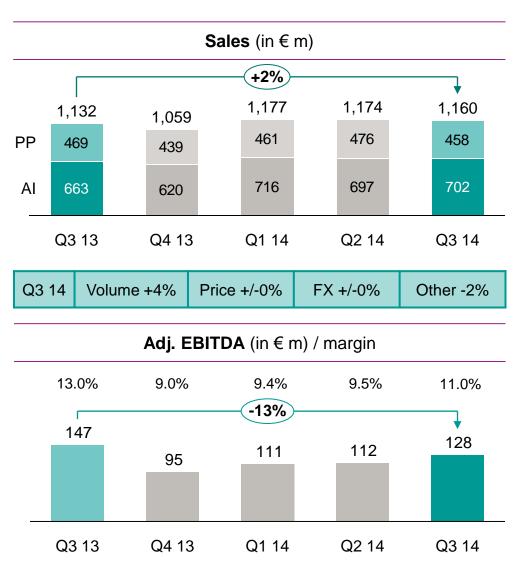




- Resource Efficiency again with increased sales and earnings yoy due to ongoing volume trend and high plant utilization
- Lower earnings qoq mainly caused by planned maintenance shutdown at German Crosslinkers production plant
- Solid volume growth continuing despite seasonal summer dip
- Silica with ongoing strong performance across most applications, e.g. tires, silicone, adhesives & sealants
- After strong start into the year, demand from construction and coating industries stabilized on high level

## **Specialty Materials**Slow recovery visible



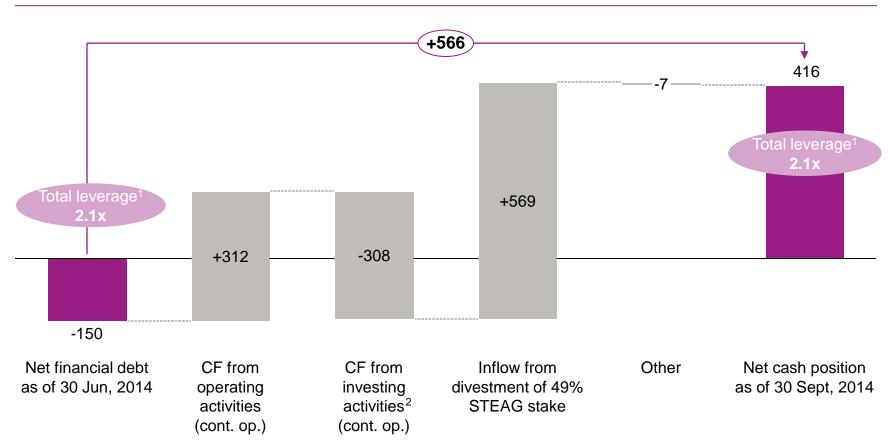


- Sales slightly above prior year; margin recovering qoq
- Good volume development supported by new HPPO and alkoxide plants; prices reaching last years' level
- Stable development qoq for methacrylates, pronounced summer dip compensated by tighter supply in Europe and Asia
- C4 products with sequentially higher margin, helped by lower raw material costs (Naphtha)
- Active Oxygens: Positive earnings contribution from new HPPO plant in China

## **Net financial position**Positive operating cash flow and STEAG proceeds







<sup>&</sup>lt;sup>1</sup> Total leverage defined as (net financial debt + unfunded pension obligations) / adj. EBITDA LTM

<sup>&</sup>lt;sup>2</sup> Cash outflow for investments in intangible assets, property, plant and equipment and shareholdings, not including cash in- and outflows related to divestments and securities

### **Outlook for 2014 confirmed**



#### **Outlook for Evonik in 2014**

## **Economic** environment

- Given weaker economic development observed to date, lower global growth assumed also in 2014 as a whole
- Stepwise recovery in global economy is increasingly stalling
- Structural challenges in emerging markets and uncertainty from ongoing political disputes and military conflicts are increasingly holding back growth expectations
- Sales: slightly higher than in previous year (2013: €12.7 bn)
- Adj. EBITDA: lower rather than upper part of €1.8 bn to €2.1 bn range (2013: €2.0 bn)
- · Volumes should continue to grow in the remainder of the year

#### **Outlook**

- Stabilization of prices expected to continue, clearly positive price trends visible in some businesses; but price trends in Specialty Materials remained below original expectations
- First positive effects of Administration Excellence program
- Downside factors could result from ramp-up expenses for growth investments and negative currency effects



## **Appendix**



Α	Evonik at a glance & investment highlights					
В	Capex & financial policy					
С	Company history & ownership structure					
D	Specialty Chemicals segments					
Е	Upcoming IR events and contact					

### **Evonik** at a glance





Power to create.

Essen-Holsterhausen **Sales 2013** 

€13 billion

adj. EBITDA 2013

€2 billion

Sales from leading market positions

80%

Innovation driven by

~ 500

R&D projects







Sales: €12.708 bn

Adj. EBITDA: €1,995 m

**Margin: 15.7%** 

**ROCE: 14.5%** 



#### Consumer, Health & Nutrition

Products for applications in the consumer goods, animal nutrition and healthcare sectors.

 Sales
 €4,171 m

 Adj. EBITDA
 €922 m

 Margin
 22.1%



### Resource Efficiency

Environment-friendly and energy-efficient system solutions.

 Sales
 €3,084 m

 Adj. EBITDA
 €655 m

 Margin
 21.2%



## Specialty Materials

Polymer materials and intermediates mainly for the rubber and plastics industries.

 Sales
 €4,490 m

 Adj. EBITDA
 €552 m

 Margin
 12.3%

**Services** 

Sales €885 m Adj. EBITDA €183 m Corporate/ Other

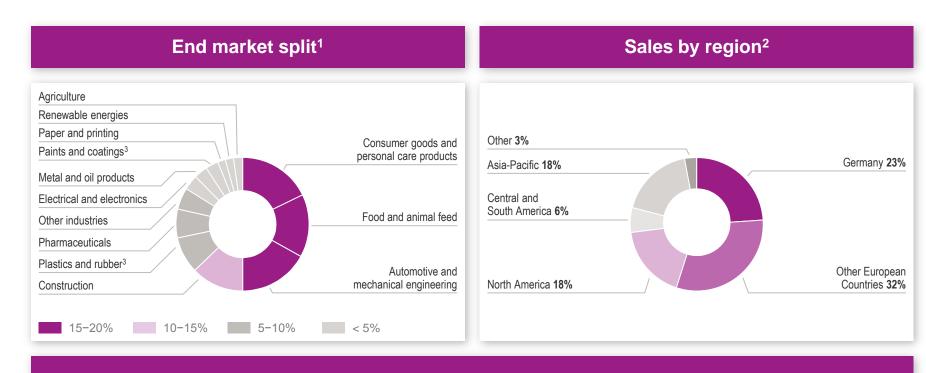
Sales Adj. EBITDA

€78 m - €317 m

All data as of fiscal year 2013 (restated due to IFRS 11 changes)



### Balanced and diversified portfolio



High degree of stability due to well diversified portfolio across various end markets and regions

<sup>&</sup>lt;sup>1</sup> Based on Specialty Chemicals segments' 2013 sales

<sup>&</sup>lt;sup>2</sup> Consolidated Group sales 2013 (restated for IFRS 11 changes), continued operations

<sup>&</sup>lt;sup>3</sup> Where not directly assigned to other end-consumer industries

### **Investment highlights**



Our businesses are aligned towards:



Allocation of resources according to global megatrends and high growth opportunities



Strengthening of leading market positions by development of tailor-made and innovative solutions together with clients

Strategic and financial discipline:



Proven track record in portfolio optimization



Solid balance sheet and disciplined use of funds

Clear Commitment:



to deliver sustainable growth



to increase profitability

Value generation for our shareholders

### Allocation of resources



## According to global megatrends and high growth opportunities (selected examples)



### Methionine (Consumer, Health & Nutrition)

Methionine is an essential amino acid for animal nutrition.

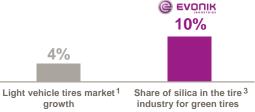
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6%

Feed additives market 1 Methionine market growth<sup>2</sup>

## Silica (Resource Efficiency)

Silica acts, amongst others, as reinforcement and improves the dynamic properties of rubber.



### Polyamide12 (Specialty Materials)

PA 12 is a high-performance polymer with innovative properties, making it an attractive alternative to metal.





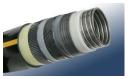


- The use of DL-Methionine can reduce feed costs by up to 25%
- 100kt methionine saves 2,300 kt of CO<sub>2</sub> emissions





- Lower rolling resistance and improved wet grip
- ~7.5% less fuel consumption and 18 meter shorter stopping distance with category A (green) tire





- Exceptionally high heat stability, mechanical stability and rigidity
- Cost savings potential of ~30% compared to use of steel pipes

<sup>&</sup>lt;sup>1</sup> Market growth p.a. 2012-2020 as per Frost & Sullivan (2013)

<sup>&</sup>lt;sup>2</sup> Market growth p.a. 2012-2020 as per company estimate; <sup>3</sup> CAGR (2012-2020) as per Notch (2013) and Frost & Sullivan (2013)

### Strengthen leading market positions



## Development of tailor made and innovative solutions together with clients



### Superabsorbents (Consumer, Health & Nutrition)



market position in Superabsorbents, a powder polymer which can absorb up to 500 times its weight in liquid

### Oil Additives (Resource Efficiency)



global supplier of viscosity modifiers for high performance lubricant and fuel additive in automotive and industrial lubricant market

#### **Key customers**

Key supplier **and strategic partner** of all large global players e.g.:





#### **Key customers**

Long-standing relationships and **active co-operations** with globally operating lubricant formulators and OEMs e.g.:













#### Joint R&D achievements

Ultrathin and fluffless **underwear-like diapers** (up to 80% thinner over the last two decades)



**Next steps:** odour control, colour stability

#### Joint R&D achievements

High quality, **multi-grade hydraulic fluids** allowing for improved equipment productivity, improved fuel efficiency and reduced emissions





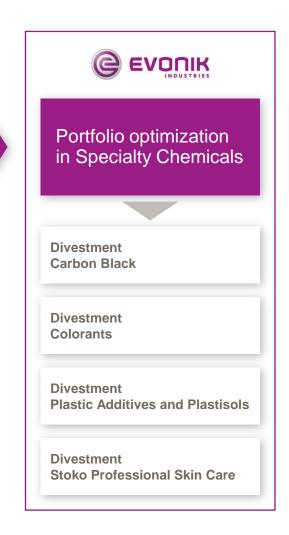
Next steps: Lubricant components for wind turbine gear boxes

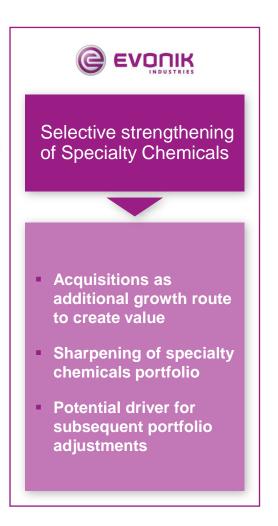


## Proven track record in portfolio optimization











## Solid balance sheet and disciplined use of funds



#### Sound financial profile

- Solid investment grade rating (leverage as of Q3 2014: 2.1x vs. target of < 2.5x)<sup>1</sup>
- · Solid funding of pension obligations
- Refinancing of upcoming maturities at attractive conditions

## Internal growth: Investment program

- Focus on specialty chemicals businesses with above-average returns
- Several major projects finished or close to completion
- Structured planning and approval process

## **External growth: Selective acquisitions**

- Acquisitions as additional growth route to create value
- Sharpening of specialty chemicals portfolio
- Key criteria: clear strategic fit and value creation

### Dividend: Attractive shareholder returns

- Reliable track record of dividend distribution (CAGR 08-13: 11%)
- Dividend target ratio: ~40% of adjusted net income
- Dividend stability

<sup>&</sup>lt;sup>1</sup> Total leverage defined as (net financial debt + unfunded pension obligations) / adj. EBITDA LTM





#### On Track 2.0

Operational Excellence Procurement Site Services Admin Excellence
Streamlining of
Administrative Functions

**Focus** 

Mainly on productivity improvements at our sites and procurement

Administrative functions worldwide

Expected Savings

~€500 m p.a. by 2016 (partly compensated by increasing factor costs)

up to €250 m p.a. by the end of 2016 (high retention rate expected)

**Status** 

Measures for savings of almost €300 m in execution and further ~€150 m already backed by specific measures

Phase 3 started, first measures in implementation

## Clear commitment to deliver sustainable profitable growth



Disciplined approach in employment of funds

Capex and M&A targeting accelerated growth in specialty chemicals

Continued focus on efficiency gains and cost savings

~€500 m On Track 2.0 savings up to €250 m Admin Excellence savings

Strong balance sheet and strict financial policy

Solid investment grade rating

Ambitious long-term aspiration for delivering shareholder returns

~€18 bn Sales >€3 bn adj. EBITDA Attractive premium on cost of capital





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## Several major investment projects finished or close to completion



Segment	Product area	Location		Capex budget	Capex spent <sup>1</sup>	Start-up (actual/expected)
Consumer,	Methionine	Singapore		>€500 m		Q4 2014
Health & Nutrition	Personal & home care ingredients	China Brazil		>€100 m		Q1 2014 Q1 2015
Resource	Precipitated silica	Global master plan		~€100 m		Q1 2013 (Taiwan) Q1 2014 (Thailand) Q3 2014 (USA)
Efficiency	Isophorone/ Isophorone diamine	China		>€100 m	•	Q2 2014
Specialty	H <sub>2</sub> O <sub>2</sub> for HPPO	China		>€130 m	•	Q2 2014
Materials	C4 Chain	Germany & Belgium		>€250 m		2015

<sup>&</sup>lt;sup>1</sup> As of September 2014



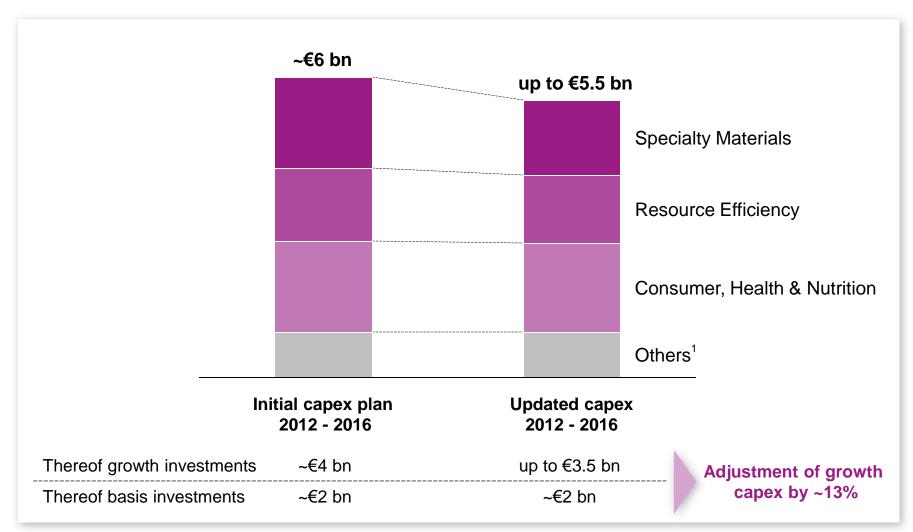
### Selected projects planned for 2015 & 2016

Segment	Product area	Location	Capex budget	Capex spent <sup>1</sup>	Start-up (expected)	Status
Consumer, Health & Nutrition	Methionine: Mepron® (for dairy cows) AQUAVI® Met-Met (for aquaculture)	USA/ Belgium	<50 m		2015	approved
Resource	Precipitated silica	Global master plan	~€100 m	1	2016 (Brazil)	approved
Efficiency	Fumed Silica and Silanes	China	~€100 m		2016	LOI for JV signed

Further projects currently being planned, but not yet approved

## Taking advantage of flexibility in capex program

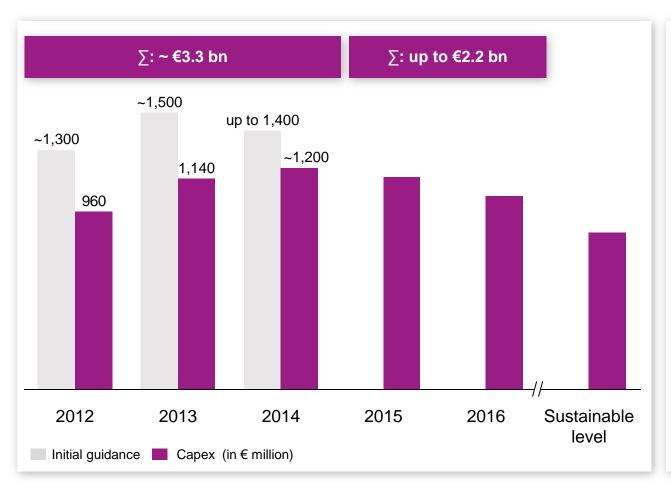




<sup>&</sup>lt;sup>1</sup> Others: Services and Corporate / Others



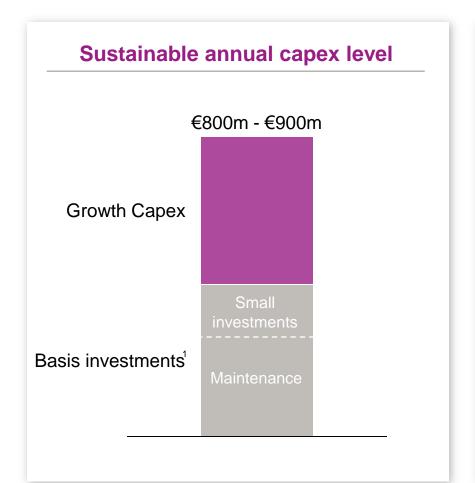
### Distribution of capex spending 2012 -2016

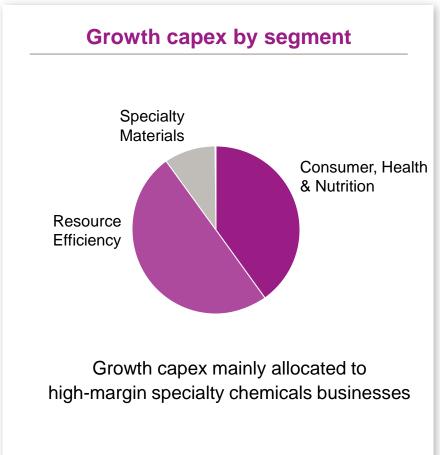


- ~€3.3 bn capex will be spent end of 2014
- Target amount for 2015 and 2016: up to €2.2 bn
- Return to sustainable annual capex level of €800 m - €900 m p.a. after 2016 (at current portfolio setup)
  - Thereof ~€450 m basis investments¹
  - Corresponding
     D&A of ~€800 m



### Return to sustainable capex after 2016





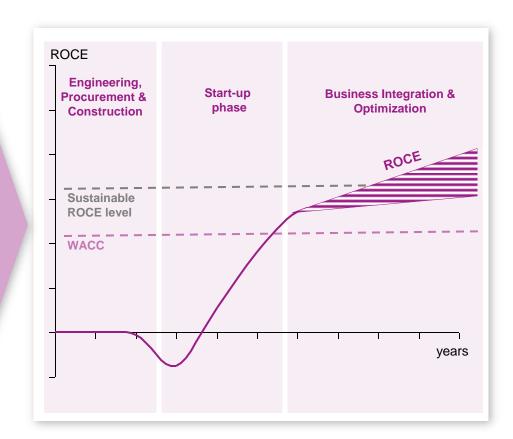
<sup>&</sup>lt;sup>1</sup> Basis investments defined as small investments (below €2.5 m focused on growth or efficiency improvements) and maintenance capex (maintenance and regulatory compliance investments)

# Diligent investment evaluation to secure premium returns



#### Strategic and economic assessment

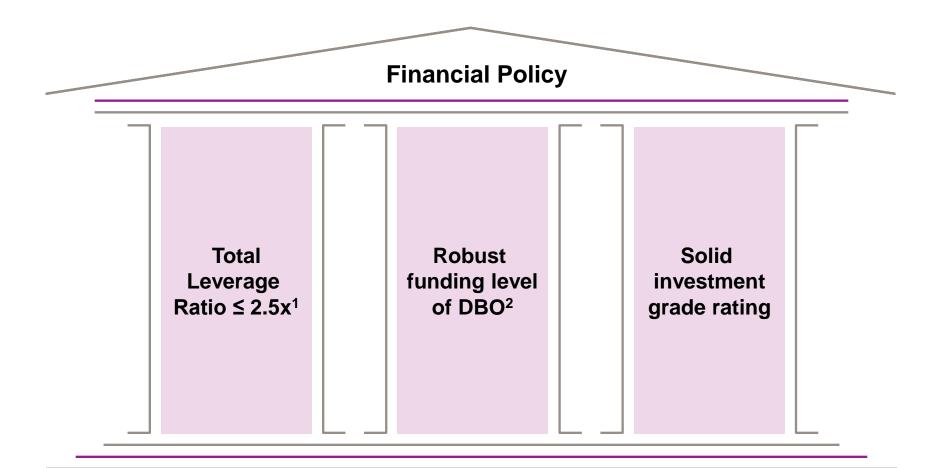
- Strategic assessment considering competitive position, market attractiveness and regional focus
- Economic assessment using DCF-based investment evaluation
- Strict internal hurdle rates and "competition" for scarce resources



Different return levels depending on project layout (e.g. greenfield or debottlenecking)

## Financial policy: Evonik as reliable partner for investors & banks





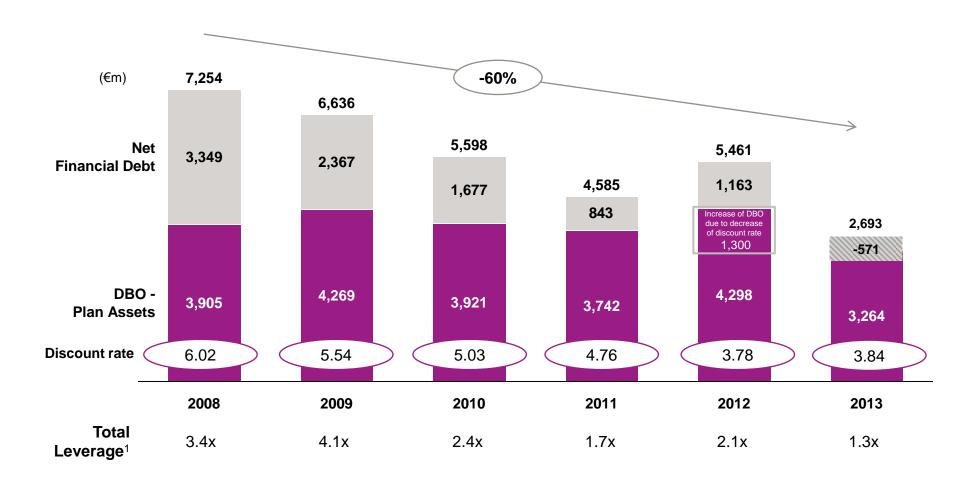
Evonik aims to remain a reliable partner for both its investors and banks

<sup>&</sup>lt;sup>1</sup> Total leverage defined as (net financial debt + unfunded pension obligations) / adj. EBITDA

<sup>&</sup>lt;sup>2</sup> Defined benefit obligations

# Further significant deleveraging through Real Estate divestment



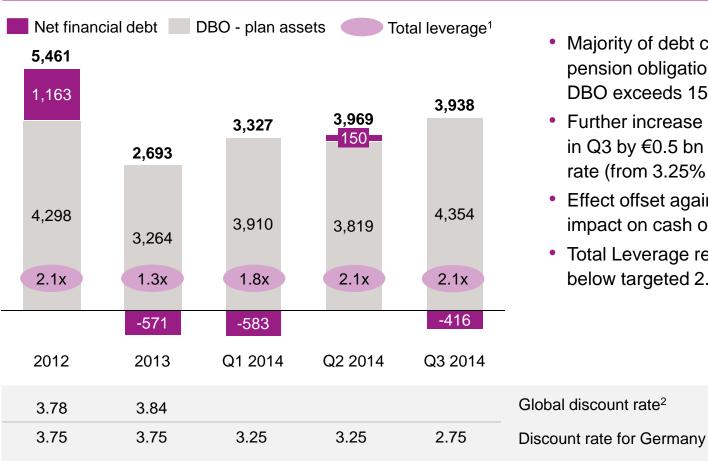


<sup>&</sup>lt;sup>1</sup> Total leverage defined as (net financial debt + unfunded pension obligations) / adj. EBITDA LTM

### Increase in pension obligations due to lowered discount rate



#### Net debt development (in m €)



- Majority of debt consists of long-dated pension obligations; average life of DBO exceeds 15 years
- Further increase in pension provisions in Q3 by €0.5 bn due to lower discount rate (from 3.25% to 2.75%)
- Effect offset against equity without impact on cash or earnings
- Total Leverage remains comfortably below targeted 2.5x ceiling

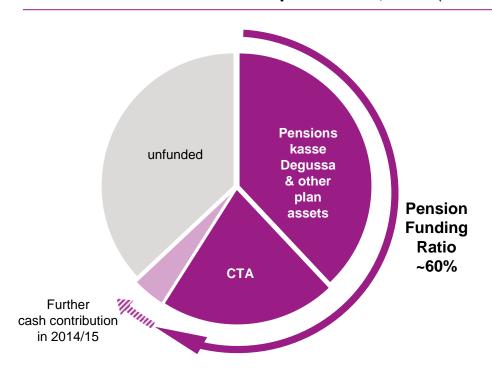
<sup>&</sup>lt;sup>1</sup> Total Leverage = (Net Financial Debt + (DBO-Plan Assets)) / Adjusted LTM EBITDA

<sup>&</sup>lt;sup>2</sup> Calculated annually



### Pension obligations well financed

#### **Pension overview as of September 30, 2014** (in € m)



•	Pension funding gap increased during
	2014 due to lower discount rate
	(Q3 2014: 2.75%; FY13: 3.75% for
	Germany)

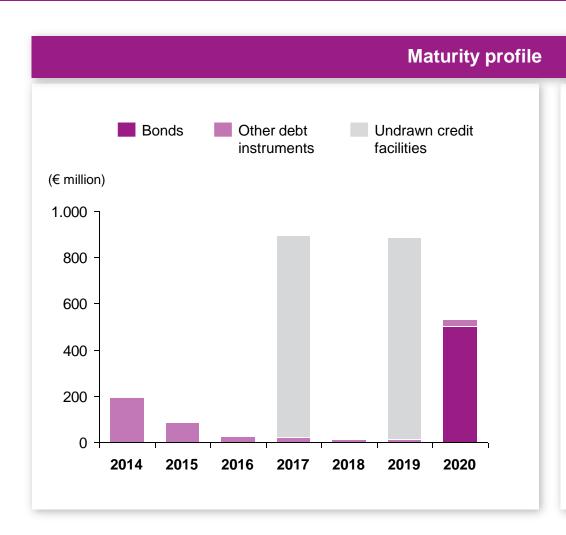
- Funding ratio remains on a solid level of ~60%
- Further cash contributions of €200 m intended in 2014/15 each

in € m 2012 2013 Q3 2014
Pension Funding Gap¹ 4,298 3,264 4,354

<sup>&</sup>lt;sup>1</sup> DBO – plan assets



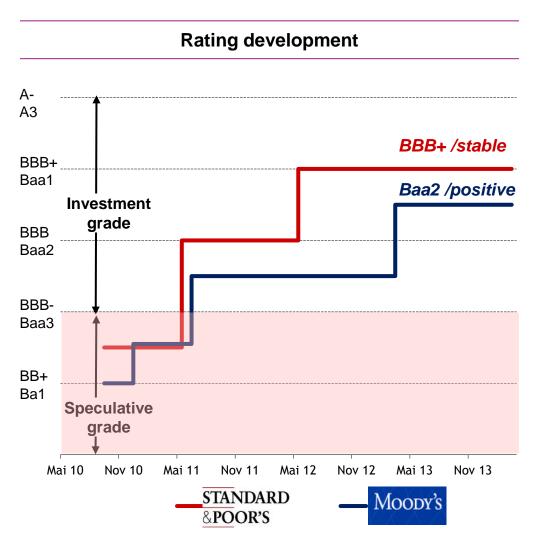
### **Balanced maturity profile**



- Unchanged policy to fund long-term debt through Capital Markets:
  - €3 bn debt issuance program in place
  - Additional flexibility from STEAG proceeds (€569 m)
- Undrawn syndicated revolving credit facilities as backup



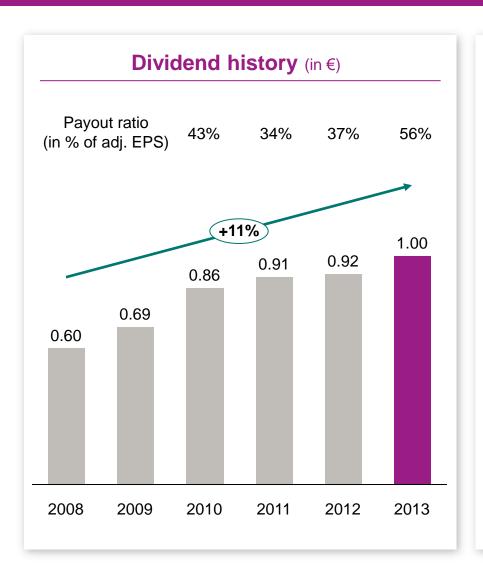
### Rating positioned in upper range of BBB



- Rating upgrade by Moody's to Baa2 with positive outlook in March 2013 confirmed in March 2014
- S&P's rating BBB+ with stable outlook since May 2012 – confirmed in June 2014
- Impressive rating dynamic thanks to focus on specialty chemicals and clear financial policy
- Maintaining a solid investment grade rating is an integral part of our financial policy



### Reliable dividend policy and attractive returns



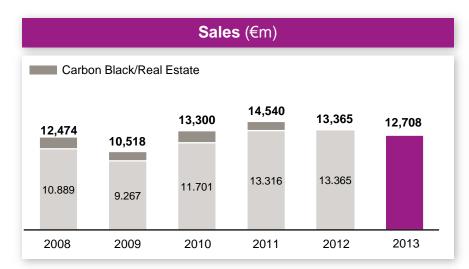
#### **Dividend policy**

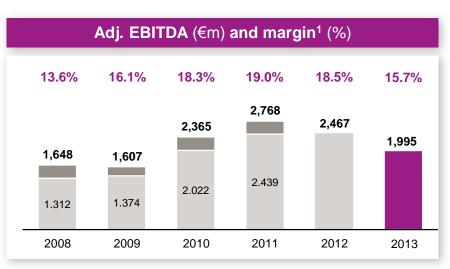
Two components of Evonik's dividend policy:

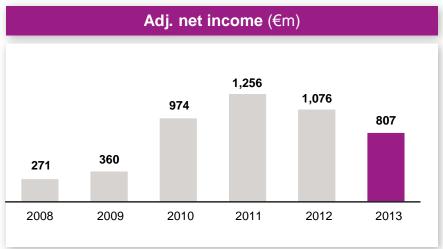
- Overarching target of dividend continuity
- 2) additionally, targeted payout ratio:~40% of adjusted net income
- Compelling track record with regards to dividend policy and shareholder returns (also pre-listing)
- Dividend payment for 2013 of 1.00 € supported by significant cash inflows from Real Estate divestment

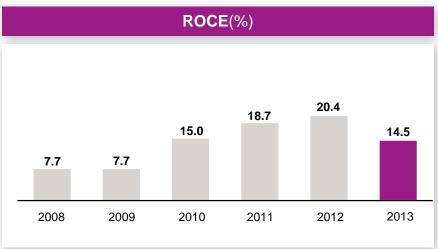


### Strong financial track record









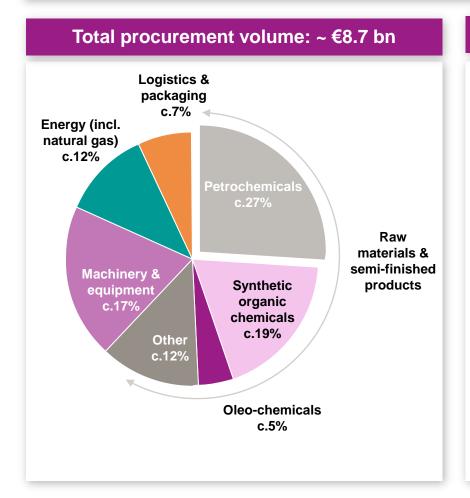
Note: 2013 restated due to IFRS 11; all figures without Steag.

<sup>1</sup> Excluding Carbon Black





#### **Supply split by product group (2013)**



#### Raw materials & semi-finished products

- Petrochemical feedstock
  - ~ 25 percent of total procurement volume (particularly steam cracker products and their derivatives)
- Top 5 raw materials: (only external sourcing, which means without acrylic acid)
  - Crack C4 e.g. for Butadiene, MTBE and Butene-1
  - Propene e.g. for Methionine
  - Acetone e.g. for Methacrylate and Crosslinkers
  - Methanol e.g. for Methionine and MTBE





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# More than 150 years of experience in the chemicals industry



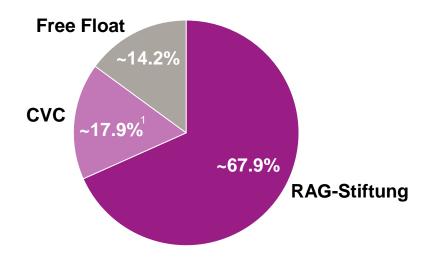


# **Evonik Industries AG**Ownership structure & presence on capital markets



#### **Ownership structure**

- RAG-Stifung: 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
- CVC: Private equity firm with major stake in Evonik since 2008



#### Presence on capital markets

- Trading since April 25, 2013 in the Prime Standard of Frankfurt Stock Exchange
- 14.2% of shares successfully placed in advance of the listing (7.1% by RAG-Stiftung and CVC each)
- Member of the German MDAX since September 2013

Avg. trading volume:

> 5 million € per day

(~ 182 k shares)

<sup>&</sup>lt;sup>1</sup> Shares held by Gabriel Acquisitions GmbH, an indirect subsidary of funds advised by CVC

# Management compensation (as of 2014) Value creation focus anchored in management incentivization system at Board level



Fixed salary (c.30%)	To be paid in cash for each financial year on a monthly basis
<b>Bonus</b> (c.33%)	<ul> <li>To be paid out in cash annually</li> <li>Pay-out calculated on the basis of the achievement of certain, primarily value creation focused KPIs (e.g. ROCE, adj. net income, adj. EBITDA)</li> <li>Factor of between 0.8 and 1.2 to take into account the achievement of further individual targets</li> <li>Bonus capped at 200% of initial target</li> </ul>
Long term incentive plan (c.37%)	<ul> <li>Granted LTI target amount is calculated in virtual shares (4-year lock-up)</li> <li>Value of LTI to mirror the development of Evonik's share price (incl. dividends)</li> <li>Amount payable is determined by two performance elements:</li> <li>Absolute performance: Real price of the Evonik share</li> <li>Relative performance against to external index benchmark (MSCI Chemicals)</li> <li>Bonus capped at 300% of initial amount</li> <li>To be paid out in cash after lock-up period</li> </ul>

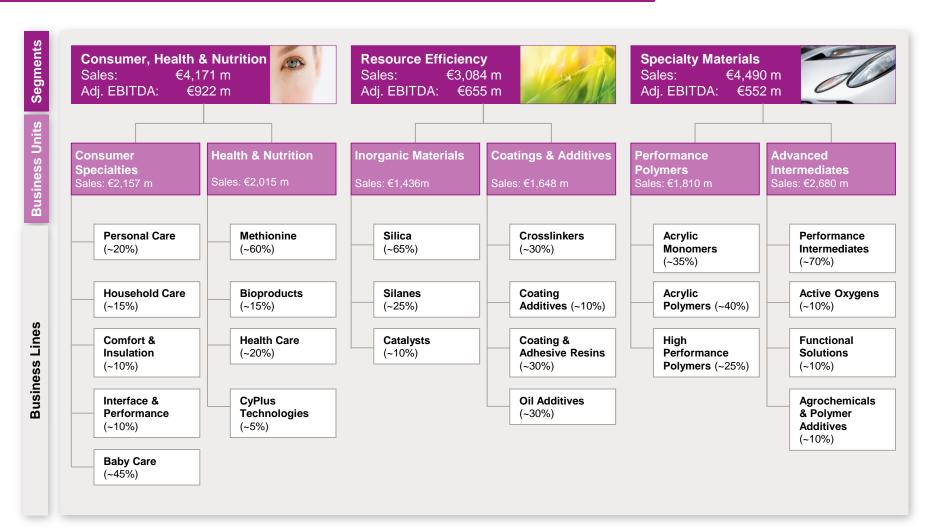




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### **Specialty Chemicals segments**Overview





Data as of Fiscal Year End 2013; restated due to IFRS 11

# Consumer, Health & Nutrition BU Consumer Specialties



	Personal Care	Household Care	Comfort & Insulation	Interface & Perform.	Baby Care
		Renetig			3
Applications	<ul><li>Personal care</li><li>Occupational skin care</li></ul>	<ul><li>Laundry care</li><li>Home care</li><li>Car care</li></ul>	<ul><li>Furniture / appliances</li><li>Construction</li><li>Automotive</li></ul>	<ul><li>Packaging / tapes</li><li>Agrochemicals</li><li>Plastic additives</li></ul>	<ul><li>Baby care</li><li>Female care</li><li>Adult care</li></ul>
Key products	<ul><li>Actives, emulsifiers, conditioners</li><li>Skin cleansers</li></ul>	<ul><li>Fabric conditioners</li><li>Specialty surfactants</li></ul>	<ul><li>Foam stabilizers</li><li>Catalysts</li><li>Release agents</li></ul>	<ul><li>Release coatings</li><li>Super spreading additives</li></ul>	Superabsorbents
Sales split 2013	~20%	~15%	~10%	~10%	~45%
Market position <sup>1</sup>	# 4 in cosmetic ingredients	# 1 in fabric softeners	# 1 in polyurethane foam additives	# 1-2 in release coatings	# 1-2 in superabsorbents
Main competitors	<ul><li>Croda</li><li>BASF / Cognis</li><li>Ashland / ISP</li></ul>	<ul><li>AkzoNobel</li><li>BASF / Cognis</li><li>Solvay / Rhodia</li><li>Stepan</li></ul>	<ul><li> Air Products</li><li> Dymatic</li><li> Momentive</li></ul>	<ul><li>Clariant</li><li>Dow Corning</li><li>Momentive</li><li>Wacker</li></ul>	<ul><li>BASF</li><li>Nippon Shokubai</li></ul>

<sup>&</sup>lt;sup>1</sup> Company estimates for relevant markets based on multiple research reports

<sup>&</sup>lt;sup>2</sup> Defined as Top 1-3 positions; as per Company estimates, based on multiple research reports

### Consumer, Health & Nutrition BU Health & Nutrition



	Methionine	Bioproducts	Health Care	CyPlus Technologies
Applications	<ul> <li>Animal nutrition, mainly poultry and swine</li> </ul>	Animal nutrition, poultry and swine	<ul> <li>Active pharmaceutical ingredients and functional pharmaceutical excipients:</li> <li>drug delivery systems</li> <li>functional drug coatings</li> </ul>	<ul><li>Fine chemicals</li><li>Precious metals mining</li></ul>
Key products	Methionine	<ul><li>Lysine</li><li>Threonine</li><li>Tryptophan</li></ul>	<ul><li>Active pharma ingredients</li><li>Pharma grade amino acids</li><li>Pharmaceutical coatings</li></ul>	<ul><li>Sodium cyanide</li><li>Potassium cyanide</li></ul>
Sales split 2013	~60%	~15%	~20%	~5%
Market position <sup>1</sup>	# 1 in DL-Methionine	# 3 in L-Threonine and L- Tryptophan	# 2 in drug-delivery systems	n.a.
Main competitors	<ul><li>Chem China / Adisseo</li><li>Novus</li><li>Sumitomo Chemicals</li><li>Unisplendour</li></ul>	<ul><li>Ajinomoto</li><li>Archer Daniels Midland</li><li>Cheil Jedang</li><li>Global BioChem</li></ul>	<ul><li>Colorcon</li><li>Dow Cellulosics</li><li>DSM</li><li>Kyowa Hakko</li><li>Lonza</li></ul>	<ul><li> AGR</li><li> DuPont</li><li> Orica</li></ul>

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# Resource Efficiency BU Inorganic Materials



	Silica	Silanes	Catalysts
Applications	<ul><li>Silicone rubber</li><li>Green tires &amp; rubber</li><li>Paints &amp; coatings</li><li>Adhesives &amp; sealants</li></ul>	<ul><li>Optical fibres</li><li>Fumed silica</li><li>Adhesive &amp; sealents</li><li>Building protection</li></ul>	<ul> <li>Catalysts for fine chemicals and polyolefins</li> <li>Enabler for process innovation</li> </ul>
Key products	<ul><li>Precipitated silica</li><li>Fumed silica</li><li>Special oxides</li></ul>	<ul><li>Chlorosilanes</li><li>Organofunctional silanes</li><li>Rubber silanes</li></ul>	<ul><li>Precious metal catalysts</li><li>Activated base metal catalysts</li></ul>
Sales split 2013	~65%	~25%	~10%
Market position <sup>1</sup>	# 1 in precipitated silica	# 1 in chlorosilanes # 1 in organofunctional and rubber silanes	#1 for precious metal powder catalysts #2 for activated base metal catalysts
Main competitors	<ul><li>Cabot</li><li>JM Huber</li><li>Solvay</li><li>Wacker</li></ul>	<ul><li>OCI</li><li>Dow Corning</li><li>Momentive</li><li>Shin Etsu</li></ul>	<ul><li>BASF</li><li>Clariant</li><li>Johnson Matthey</li><li>WR Grace</li></ul>

<sup>&</sup>lt;sup>1</sup> Company estimates for relevant markets based on multiple research reports

<sup>&</sup>lt;sup>2</sup> Defined as Top 1-3 positions; as per Company estimates, based on multiple research reports

# Resource Efficiency BU Coatings & Additives



	Crosslinkers	Oil Additives	Coating Additives	Coating & Adhesive Resins
Applications	<ul><li>Composites</li><li>Coatings &amp; paints</li><li>Flooring</li><li>Automotive interior</li></ul>	<ul><li>Auto &amp; industrials</li><li>Hydraulic systems</li><li>Refinery processing</li><li>Biofuels</li></ul>	<ul><li>Eco-friendly coatings (low VOC, water based)</li><li>High solid industrial coatings</li></ul>	<ul><li> Hot melt</li><li> Pre coated metal</li><li> Protective coatings</li><li> Road marking</li></ul>
Key products	<ul> <li>Crosslinkers for composites, elastomers and non-solvent coatings</li> </ul>	<ul><li>Lubricant additives (viscosity modifiers)</li><li>Fuel additives</li></ul>	<ul> <li>Additives for eco-friendly and highly solid industrial coatings</li> </ul>	<ul><li>Functional resins</li><li>Adhesive hot melts</li><li>Heat sealents</li><li>Polybutadiene</li></ul>
Sales split 2013	~30%	~30%	~10%	~30%
Market position <sup>1</sup>	# 1 in isophorone chemicals	# 1 oil additives	# 1 in organically modified silicones	# 1 in polyester resins
Main competitors	<ul><li>Arkema</li><li>BASF</li><li>Bayer</li></ul>	<ul><li>Infineum</li><li>Lubrizol</li><li>NewMarket</li><li>Oronite</li></ul>	<ul><li>Air Products</li><li>Altana</li><li>Dow Corning</li></ul>	<ul><li>Dow</li><li>DSM</li><li>Mitsubishi Chemical</li></ul>

<sup>&</sup>lt;sup>1</sup> Company estimates for relevant markets based on multiple research reports

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# **Specialty Materials**BU Performance Polymers



	High Performance Polymers	Acrylic Monomers	Acrylic Polymers
Applications	<ul><li>Medical</li><li>Photovoltaic systems</li><li>Automotive components</li><li>Oil &amp; gas pipes</li></ul>	<ul> <li>Coatings</li> <li>PMMA</li> <li>Specialty monomer applications (e.g. disposable contact lenses)</li> </ul>	<ul><li>LED/touch screens</li><li>Photovoltaic</li><li>Light-weight systems</li><li>Automotive components</li></ul>
Key products	<ul> <li>High performance polyamide (PA12)</li> <li>Polyetheretherketone (PEEK)</li> <li>Polyimide fibres and foams</li> </ul>	<ul> <li>Methy methacrylate (MMA) and application monomers</li> <li>Methacrylic acid</li> </ul>	<ul><li>Molding compounds</li><li>Acrylic sheets (Plexiglas / Acrylite)</li><li>PMMA systems</li></ul>
Sales split 2013	~25%	~35%	~40%
Market position <sup>1</sup>	# 1 in polyamide 12	# 2 in MMA	# 1-2 in PMMA
Main competitors	<ul><li>Arkema</li><li>DuPont</li><li>EMS</li><li>Victrex</li></ul>	<ul><li>LG MMA</li><li>Mitsubishi Chemicals</li><li>Sumitomo</li></ul>	<ul><li>Arkema</li><li>Mitsubishi Chemicals</li><li>Sumitomo</li></ul>

<sup>&</sup>lt;sup>1</sup> Company estimates for relevant markets based on multiple research reports

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## **Specialty Materials**BU Advanced Intermediates



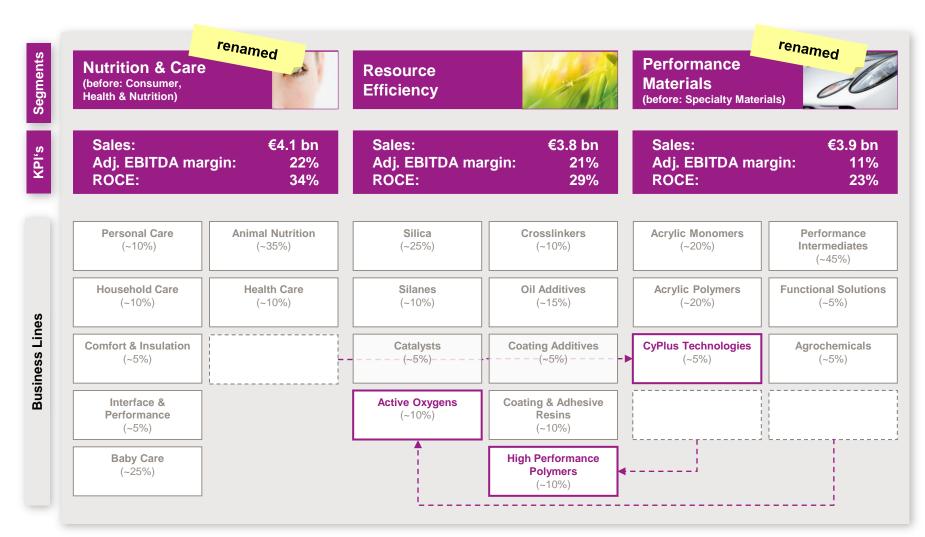
	Performance Intermediates	Active Oxygens	Functional Solutions	Agrochemicals & Polymer Additives
			Diesel Bio	
Applications	<ul><li>Plastics</li><li>Styrene-butadiene-rubber</li><li>High performance polymers</li></ul>	<ul><li>Oxidising agent in chemical reactions</li><li>Pulp &amp; paper bleaching</li></ul>	<ul> <li>Catalysts for biodiesel production</li> </ul>	<ul><li>Polymer additives</li><li>Optical brighteners</li><li>Photovoltaic</li><li>Agro chemicals</li></ul>
Key products	<ul><li>Butadiene</li><li>Butene-1</li><li>MTBE</li><li>Plasticisers / alcohols</li></ul>	Hydrogen peroxide	<ul> <li>Alcoxides (e.g. sodium methylate)</li> </ul>	<ul><li>Triacetonamine</li><li>Crosslinkers</li><li>Precursors of glyphosates</li></ul>
Sales split 2013	~70%	~10%	~10%	~10%
Market position <sup>1</sup>	#1 in 1-butene	# 2 in hydrogen peroxide	# 1 in alcoholates	# 1 in cyanuric chloride
Main competitors	<ul><li>BASF</li><li>LyondellBasell</li><li>TPC</li></ul>	<ul><li>Arkema</li><li>FMC</li><li>Solvay</li></ul>	<ul><li>BASF</li><li>DuPont</li></ul>	<ul><li>Lanxess</li><li>Nalco</li><li>Syngenta</li></ul>

<sup>&</sup>lt;sup>1</sup> Company estimates for relevant markets based on multiple research reports

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## Specialty Chemicals segments New segment structure from January 2015









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### **Upcoming IR events**



#### **Roadshows**

5 Mar, 2015: Frankfurt / Main

• 9-10 Mar, 2015: London

#### **Conference participations**

 5 Feb, 2015: Bankhaus Lampe German Equity Forum, London

#### **Next reporting dates**

3 Mar, 2015: Q4 / FY 2014 reporting

6 May, 2015: Q1 2015 reporting

Please find an updated schedule on our IR website ("Events & Presentations")

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