## Evonik Leading Beyond Chemistry

Strategy Update 2020

Strategic perspective

May 7, 2020 Christian Kullmann, CEO



### We delivered on our promises

Successful transformation along our three strategic focus areas







### **Performance-oriented culture**

Establishment of delivery culture with increased capital market focus



#### Performance-oriented corporate culture with increased capital market focus

1: defined as FCF/Adjusted EBITDA I 2: SG&A program (€120 m of €200 m achieved by end of 2019), Adjust 2020 (€30 m of €50 m achieved), Oleo 2020 (€10 of €20 m achieved)





### Leading in innovation

On track to achieve target of >1 bn sales from innovation





### Leading in innovation

A well-filled R&D pipeline with different target horizons



### **Additive Manufacturing**

 Evonik's 3D printing portfolio as beneficiary of trend from "prototyping only" into real series production

#### **Biosurfactants**

- Based on Evonik's leading biotechnology know-how
- 100% renewable natural resource & biodegradable

### **Precision Livestock Farming**

Digital solutions to optimize every aspect of livestock production – in one holistic approach



### Portfolio: More balanced & more specialty

Decisive and value-accretive portfolio management



### Acquisitions

### >€2 bn resilient sales

Ø multiple of **9.1x** EV/EBITDA (incl. synergies)

Ø EBITDA margin: ~22%

Delivery of synergies on track ( $\in$ 70 m by end of 2019)



#### Decisive and value-accretive portfolio management

- Portfolio cyclicality & Capex intensity reduced
- More resilient EBITDA margin and improved cash profile

Divestments: Methacrylates business sold for EV of €3 bn (8.5x EV/EBITDA) in July 2019

Acquisitions: Air Products specialty additives business for US\$3.8 bn (9.9x EV/EBITDA incl. synergies & tax benefits) in January 2017 I Dr. Straetmans cosmetics business in May 2017

Huber Silica business for US\$630 m (~7x EV/EBITDA incl. synergies & tax benefits) in September 2017 I PeroxyChem for US\$640 m (7.6x EV/EBITDA incl. synergies) in February 2020 1: 2014-2019



### □ Portfolio: More balanced & more specialty

Portfolio quality significantly improved – today 80% specialty businesses

### Adj. EBITDA operating businesses



### Portfolio characteristics

- Specialty businesses now represent
   ~80% of EBITDA<sup>1</sup>
- Specialty businesses with track record of 6% annual organic earnings growth<sup>2</sup>

Specialty businesses: Specialty Additives, Smart Materials, Health & Care 1: Calculation for operating businesses excluding Services & Corporate I 2: organic EBITDA CAGR (excl. M&A) 2014 – 2019



### **Portfolio: Focus on Sustainability**

Sustainability important part of portfolio & strategic management decisions





### **Structure follows strategy**

Organization now fully aligned with growth engines

2017	2017 - 2019	2020 onwards	
	Portfolio transformation towards growth engines	Specialty Additives   Nutrition & Care	
		Smart Materials Performance Materials	
"Strategic focus on four growth engines":	Organic growth in growth engines		
Specialty Additives Health & Care	Acquisitions into growth engines	Now reporting structure with four divisions	
Animal Nutrition Smart Materials	Divestments outside growth engines	New reporting structure with four divisions	



### Rationale for new management and reporting structure



3 "Growth" divisions with >3% volume growth target Performance Materials as "Efficiency" division

**Common themes & trends in growth divisions** 

4 divisions; sales split for sub-divisions

**Clear-cut technology platforms** 

Reduction of 150 FTE, €25 m p.a. savings by end of 2021<sup>1</sup>



1: mainly in cross-segment- and administrative functions in the operating segments

### Leading beyond chemistry – Growth Divisions

Specialty chemicals portfolio with strong positioning and attractive financials



Leading positions

in performance-defining

specialty additives

**Specialty Additives** 

Strong positioning...

> ... and attractive financials

Growth track record 3%<sup>1</sup>

Margin level of 26% (%)

ROCE of 18% 



**Nutrition & Care** 

Innovation leader in resilient Health & Care market

Building a system house for Sustainable Animal Nutrition

- Growth track record 4%<sup>1</sup>
- Margin level of 16%
- ROCE of 8%

#### **Smart Materials**



Leading player in inorganic specialties and high performance polymers

Growth track record 3%<sup>1</sup>

Margin level of 19%



ROCE of 16%



1. average volume growth 2015-2018

### Strategic agenda going forward

Clear strategic and financial targets





1: in growth divisions over the cycle

### **Animal Nutrition**

Cost leadership in Methionine - Sustainable Healthy Nutrition is gaining importance

#### **Efficient Nutrition**

- Cost leadership in Methionine ("Adjust 2020" program with €50 m cost savings by 2020)
- Focus on 3 global world-scale hubs (Europe, US & Asia)
- Modular debottleneckings to serve ongoing strong market growth
- Securing today's EBITDA margin level in line with Group margin target



#### **Sustainable Healthy Nutrition**

 Building a system house for sustainable healthy nutrition



- Leverage strong sales force and direct customer access
- Digital technologies to optimize every stage of livestock production





### **Strategic perspective for Baby Care**

Evaluating all strategic options to leverage full business potential





### Evonik – A compelling equity story today and tomorrow

Leading beyond chemistry to drive shareholder value

### Ongoing portfolio transformation

 Target: Specialty portfolio with 100% growth businesses

### Ambitious financial targets

- EBITDA margin: 18-20%
- Cash conversion ratio: >40%
- ROCE: 11%



### Innovation & Sustainability as growth drivers

- €1 bn additional sales from innovation growth fields by 2025
- Growing portfolio share of "Next generation solutions"

### Performance-driven corporate culture

- Further drive gender & cultural diversity
- Deliver on efficiency programs in Administration & Operations





### **Backup: Sustainability Rankings**

Evonik best-in-class within chemicals sector in terms of sustainability





### Backup: Evonik Sustainability Analysis – Portfolio Management (1/3) Sustainability Analysis integrated into strategy and portfolio decisions

### Portfolio management via sustainability criteria

Method	Analysis and results	Strategic measures
<ul> <li>WBCSD<sup>1</sup> sector standard approach aligned to specific</li> </ul>	<ul> <li>99% of sales covered by Sustainability anal</li> </ul>	5
<ul><li>requirements of Evonik</li><li>Approach audited by PwC</li></ul>	<ul> <li>Classification of product portfolio a to its sustainability performation</li> </ul>	•

(A++ to C--)



1. Portfolio Sustainability Assessments (PSA) from World Business Council for Sustainable Development

# **Backup: Evonik Sustainability Analysis – Results (2/3)** >30% of Evonik's portfolio with superior sustainability benefits



generated with products or solutions **above or on market reference** in terms of sustainability

## >30% "Next Generation Solutions"<sup>2</sup>

- ... address globally increasing demand for sustainable solutions
  - deliver above-average growth rates
  - ... are highly profitable (in or above margin target range of 18-20%)

Target to further increase "Next Generation Solutions"

 Challenged products: evaluation of strategic options (transform/exit/divest) within 5 years





### Backup: Evonik Sustainability Analysis – Methodology (3/3)





### **Backup: Environmental Targets**

Ambitious greenhouse gas emission reduction targets



Evonik Scope 1 and Scope 2 emissions<sup>1</sup>



- Strong commitment to "Paris Agreement on Climate Change" reflected in implementation and execution on environmental targets
- "Sustainability Strategy 2020+" targets reduction of -50% of Scope 1 and Scope 2 emissions by 2025 (compared to base year 2008)
- Global CO<sub>2</sub> pricing used as an additional planning parameter for investment decisions



1. in thousand metric tons CO2eq

## Evonik Leading Beyond Chemistry

Strategy Update 2020

**Financial perspective** 

May 7, 2020 Ute Wolf, CFO



### We delivered on what we promised...

... for the third consecutive year



1: Including MMA business | 2: Continuing operations excl. MMA business | 3: FCF before extraordinary carve-out taxes of €245 m (related to MMA divestment)



### Where do we come from? Financial targets set in 2017

Mid-term Financial Targets	Current status	
Above-average volume growth GDP+	Volume growth of ~3-4% in our growth divisions	
Structurally lift EBITDA margin into sustainably higher range of 18-20%	Margin improvement of <b>+90 bps</b> despite difficult macro, yet still below target range (2019: 16.4%)	
FCF significantly above dividend level	Clear improvement in FCF with €717 m <sup>1</sup> in 2019	
ROCE above Cost of Capital	ROCE still below Cost of Capital (2019: 8.6%)	
Reliable and sustainably growing dividend	Attractive stable dividend of €1.15	
Solid investment grade rating	Solid investment grade ratings BBB+/Baa1	
1: FCF before extraordinary carve-out taxes of €245 m (related to MMA divestment)		







### **EBITDA** margin target range of 18-20%

Three strategic focus areas driving structural margin improvement



### Self-help measures supporting margin target

Targeting cost excellence in Administration and Operations



### TargetCash Conversion Ratio1 of

### >40%



1: Cash Conversion ratio as FCF/Adj. EBITDA | 2: Including Methacrylates business

#### FCF levers going forward

- Ongoing strict NWC management; current low level to be secured going forward
- Maintain capex level of €850 m going forward
- **Growth projects** contributing to high cash conversion e.g.
  - Methionine plant (ME6)
  - PA12 expansion
- Fade-out of cash-outs from efficiency measures
- Pensions with stable cash-outs on lowered level (CTA)
- Bolt-on acquisitions with high cash conversion (e.g. PeroxyChem >60%)





~11%

**IFRS 16**: capitalization of leases (~€0.6 bn with Q1 2020<sup>3</sup>)

Larger growth projects (like ME6, Precipitated silica USA, PA12):

- ~€1 bn capitalized on balance sheet
- Full level of fixed costs already since start-up

Optimized processes, lower Capital Employed

Structural improvement of ROCE to





11%

### **Capital Allocation** Priorities for capital deployment





### **Financial targets going forward**

Mid-term Financial Targets set in 2017		Updated mid-term Financial Targets	
Above-average volume growth (GDP+)		Above-average volume growth 1)	>3%
Structurally lift EBITDA margin into sustainably higher range of 18-20%			
FCF significantly above dividend level		Cash Conversion ratio of <sup>2)</sup>	>40%
ROCE above Cost of Capital		ROCE well above Cost of Capital	~11%
Reliable and sustainably growing dividend			
Solid investment grade rating			
1: In growth divisions   2: Cash Conversion ratio defined as FCF/Adj. EBITDA			





### Financial targets for growth divisions going forward

Financial target	Specialty Additives	Nutrition & Care	Smart Materials	
Volume growth	>3% in all growth divisions (over the cycle)			
EBITDA margin level	Maintain very attractive margin level (2019: 26%)	Getting <b>back into target range</b> (2019: 16%)	Secure margin level at least in range of 18 - 20% (2019: 19%)	
Capex/Sales ratio	~4%	~5%	~6%	



### **Spotlight on Capex** Optimized capex spending on a continuously lower level of €850 m



### **Optimized capex spending going forward**



Strict allocation criteria, especially for maintenance capex



Harmonization of maintenance projects to global standards



**Asset Lifecycle Management** for each business with a 10-year time horizon



**Site Footprint Masterplan:** Definition and capex allocation according to clear capex roles for individual sites



Capex = Cash outflow for investment in intangible assets, pp&e

### **Spotlight on shareholder returns**

Reliable and attractive dividend policy



- Sustainable dividend growth over the last years: 6% CAGR between 2008 and 2019
- Attractive dividend yield (~5% mid-2020)
- Reliable dividend policy targeting:
  - Dividend continuity
  - Adj. EPS and FCF growth
     with potential for sustainable
     dividend growth going forward



## Evonik Leading Beyond Chemistry

Strategy Update 2020

New divisional structure & Innovation

May 7, 2020


#### Rationale for new management and reporting structure



3 "Growth" divisions with >3% volume growth target Performance Materials as "Efficiency" division

**Common themes & trends in growth divisions** 

4 divisions; sales split for sub-divisions

**Clear-cut technology platforms** 

Reduction of 150 FTE, €25 m p.a. savings by end of 2021<sup>1</sup>



1: mainly in cross-segment- and administrative functions in the operating segments

#### **New divisional structure**

## Growth divisions with common themes and attractive growth drivers





#### **New divisional structure**

### Technology platforms and end market exposure

Specialty Additives	Nutrition & Care	Smart Materials	Performance Materials
Technology platforms			
<ul><li>Silicone chemistry</li><li>Isophorone platform</li><li>Amines platform</li></ul>	<ul><li>Biotechnology / Fermentation</li><li>Methionine platform</li><li>Oleo chemistry</li></ul>	<ul> <li>Inorganic particle design</li> <li>Specialty polymers</li> <li>Active oxygens</li> <li>Process catalysts</li> </ul>	<ul><li>C4 processing and derivatizing</li><li>Polymer know-how</li></ul>
Key products & global market positions			
<ul> <li>#1-2 in Coating Additives</li> <li>#1 in PU Additives</li> <li>#1 in Viscosity Modifiers (for lubricants)</li> </ul>	<ul> <li>#1 in Methionine</li> <li>Strong position in Active Cosmetic Ingredients</li> <li>#2 in Drug Delivery Systems</li> </ul>	<ul> <li>#1 in Silica</li> <li>#2 in H<sub>2</sub>O<sub>2</sub></li> <li>Leading in Catalysts<sup>1</sup></li> <li>#1 in PA12</li> </ul>	<ul><li>C4 Derivatives</li><li>Superabsorbers</li></ul>
End market split			
Other Coatings Environmental Consumer Goods Mobility	Other Consumer & Health Care	Other Consumer Goods Coatings	Other Consumer Care Chemicals, O&G Mobility
1: #2 in activated nickel catalysts #3 in Oil & fat hy		woonity	woonity

Leading Beyond Chemistry

1: #2 in activated nickel catalysts, #3 in Oil & fat hydrogenation catalysts

### **Specialty Additives – Key characteristics** Leading Specialty Additives portfolio for maximum customer value

#### **Key characteristics**

- Leading portfolio of additive solutions for maximum performance which make the key difference
- Minor share of cost in customers' end products
- Unique formulation know-how guarantees deep integration into customers' innovation processes





#### **Growth drivers**

- Trend towards more sophisticated additive effects
- Constantly rising demand for environmentallyfriendly solutions
- Leverage capabilities in silicone and amine technology platforms into new applications



## **Specialty Additives – Growth drivers**

Additives solutions making the key difference in various applications



Crosslinkers for composite-reinforced bars with outstanding mechanical and chemical properties

Global corrosion cost ~US\$2.5 tn Prevention best practices can reduce costs by 15-35% PU foam surfactants create performance advantages in insulating foams for appliances and buildings

Reducing the electricity bill with increased sustainability

Additives for paint systems creating a lasting barrier against chemical cleaning agents

Protecting rail car surfaces and helping to avoid €30,000 of repainting costs



## **Specialty Additives – Financials**

Continue strong growth track record on very attractive margin level







- Steady earnings growth and outstanding 26% margin level
- Strong track record of pricing power and good volume development
- Attractive ROCE of ~18% in 2019 (including APD goodwill)

- Ambitions going forward:
  - Continue strong growth track record
  - Maintain very attractive margin level



## **Specialty Additives – Strategic agenda**

Strategic agenda to drive growth and expand market leadership





#### Nutrition & Care – Key characteristics Sustainable solutions in defensive end markets

#### **Key characteristics**

- Resilient business models in defensive end markets
- Unique combination of technology infrastructure and customer-centric formulation know-how
- Close partnerships and R&D collaborations with leading personal care and pharma players





#### **Growth drivers**

- Social trends for sustainable nutrition and naturalbased cosmetics ingredients
- Leading biotech / fermentation know-how offers new growth arenas



## **Nutrition & Care – Growth drivers**

## Leading position in the growing market for fermentation-based materials

#### Strong foundation in microbial fermentation...

- > 30 years industry expertise
- > 25 fermentation-based products commercialized
- Wide range of bacteria, yeast and algae-based organisms used in strain development and fermentation
- Global network of sites across Europe, USA and Asia
  - >7,000m<sup>3</sup> fermentation capacity One of the industry's largest players
- Internal and CMO projects in high-growth areas:
  - e.g. protein fermentation of food ingredients and biofabricated materials (e.g. leather)

#### ...with an outstanding project pipeline



- Algae fermentation for omega-3 EPA / DHA in salmon aquaculture
- Production facility in Nebraska, USA



- Latest innovation: recombinant collagen platform
- Fermentation-based & animal-free
- ~€1.5 bn accessible collagen market for pharma & healthcare
- Solution of the second second
- Contract manufacturing and industrialization projects with large & growing list of innovators
- Protein fermentation, pharma



## Nutrition & Care – Growth drivers

#### Strong setup for future growth in Care Solutions

Expansion of technology portfolio in natural-based ingredients...

...delivering outstanding customer benefits

## ALK

2016

2017

2020

Botanical Extracts
 "Consumer request for sustainable sourced botanicals"

#### drstraetmans

intelligence behind beauty

 Alternative preservatives & Formulation service "Consumers demand alternative solutions to parabens – which are by far more complex to formulate"



Natural products

"Plant-derived active ingredients and intermediates"

## Transformation into a sustainable specialty products provider

to provide outstanding formulation concepts

## Peptides & Amino acids



# Biopolymers







### **Animal Nutrition transformation**

From Amino Acid producer into system house for sustainable nutrition



## **Nutrition & Care – Financials**

Strong H&C performance; Animal Nutrition with healthy & steady volume growth





#### Strong track record in Health & Care now becoming more visible

- Healthy & steady market growth in Methionine (5-6% p.a.) overcompensated by price decline
- ROCE of ~8% in 2019
- Ambitions going forward:
  - Bring back margin level into target range of 18 20%
    - Foster specialty growth in Health & Care
    - Execute differentiated growth & efficiency strategy in Animal Nutrition



## Nutrition & Care – Strategic agenda

Foster growth trend for sustainable nutrition and natural-based ingredients





## **Smart Materials – Key characteristics**

Resource-efficient and environmentally-friendly solutions

#### **Key characteristics**

- Environmentally-friendly solutions
- Broad expertise and portfolio for complex customer requirements
- Global market leading positions with high economies of scale



#### **Growth drivers**

- Saving resources
- Increasing use of lightweight materials
- Stricter regulation and safety standards





## Smart Materials – Growth drivers Broad-based specialty silica portfolio with >€1 bn of sales





## **Smart Materials – Growth drivers**

### Shifting consumer & producer preferences in food & beverage processing

#### Customer challenge in aseptic packaging

 Consumer demand for more nutritional natural drinks (more conducive environment for microbial growth)



- Producer demand for more cost effective, high speed PET bottle filling systems
- More innovative bottle designs
- Sustainability trend to thinner packaging
- Technical challenges in existing sterilants and applications

#### Evonik solution: Spraying Technology "Vapor PAA"

- New Vapor PAA technology (as alternative to liquid Peracetic Acid or Vapor H<sub>2</sub>O<sub>2</sub>) for spray sterilization
- Greatly reduces water and energy consumption
- Withstands lower temperatures, which increases bottle options





## Solid earnings growth and margin progression





#### **Smart Materials**

- Steady earnings & margin expansion
- Strong pricing power & shift towards lower-volume specialties
- ROCE of ~16% in 2019 (including Huber goodwill)

- Ambitions going forward:
  - Secure margin level at least in range of 18 20%
  - Continue strong track record in pricing power;
     capacity expansions driving growth going forward



### **Smart Materials – Strategic agenda** Expand technology and cost leadership





## **Performance Materials – Key characteristics**

Leading platforms and processes

#### **Key characteristics**

- Leading integrated C4-technology platform with excellent exploitation of raw materials
- Reliable partner for our customers in Superabsorbent polymers
- Global supplier of Alkoxides as essential catalyst for the renewable fuel industry
- Highly efficient processes and integrated platforms offer reliable cash contribution











#### Efficiency examples

#### E-Business solutions 'C4Connect<sup>®</sup>' for order and availability management as well as personalized offers

Constant **process innovation and optimization** (e.g. fluid catalytic cracking to broaden raw material base)

**Consistent digitalization of the whole production Verbund** leads to a permanent improvement of manufacturing and business processes



#### **Performance Materials – Financials**

Focus on cost efficiency and cash generation



## Focus on cost efficiency and cash generation

- Constant process innovation and optimization, also by using digitalization potentials
- Higher exploitation of raw material streams in C4 chain



#### **Innovation strategy**

## Targeted approach for market-leading innovations



Targeted approach

- Central steering of innovation activities
- Focus on innovation growth fields with clearly assigned responsibilities
- Bundling of cross-business competencies in dedicated R&D hubs



- Sustainability as key driver for future innovation initiatives
- Sustainability criteria and KPI's integrated into innovation process
- Continuous sustainability analysis of introduced products



**Process innovations** 

- Higher focus on process innovations to drive operational excellence
- Integrate process innovations into continuous improvement process
- Lower capex and opex levels for capacity expansions



#### Innovation pipeline A well-filled R&D pipeline with different target horizons



 Evonik's 3D printing portfolio as beneficiary of trend from "prototyping only" into real series production



Short-

term

#### **Biosurfactants**

- Based on Evonik's leading biotechnology know-how
- 100% renewable natural resource & biodegradable



#### **Precision Livestock Farming**

Digital solutions to optimize every aspect of livestock production – in one holistic approach



## **Additive Manufacturing**

## A strong existing base offering further growth opportunities

#### Strong base established

- Evonik as market leader in PA12 powder-based 3D printing materials
- Several platforms available to serve all major powder-based printing technologies
- Close partnerships with major printing players and innovators:



#### Expand strong position to new applications and new materials

- Establish position in emerging technologies like high performance photo-resins
- Expand business in medical applications with implantable PEEK and bio-resorbable RESOMER
- Capture growth potential of shift from "prototyping only" into real series production:

Non-metal 3D-printing materials market (in €bn) +30% p.a. 3 2018 2025



Evonik as leading ready-to-use materials supplier for Additive Manufacturing



#### **Biosurfactants**

Large-scale production of world's first "green" biosurfactant (rhamnolipids)



- Renewable resource & biodegradable
- Plant-based sugars as only carbon source – <u>no oils used</u>
- Unique product properties, especially cleansing & foaming

- Personal Care ingredient "RHEANCE® One" awarded at "in-cosmetics" 2018
- Test launch in selected personal care products
- Unilever with successful market launch of a dishwashing product in 2019
- Commercializing Evonik's leading biotechnology capabilities
- Evonik will be the first company to produce biosurfactants on industrial scale
- Basic engineering at our biotech hub in Slovakia



## **Precision Livestock Farming**

#### Digital solutions to optimize every stage of livestock production







### New divisional structure

#### Divisions, Sub-Divisions, Key products & Raw materials



