Leading Beyond Chemistry

Société Générale ESG-SRI Conference

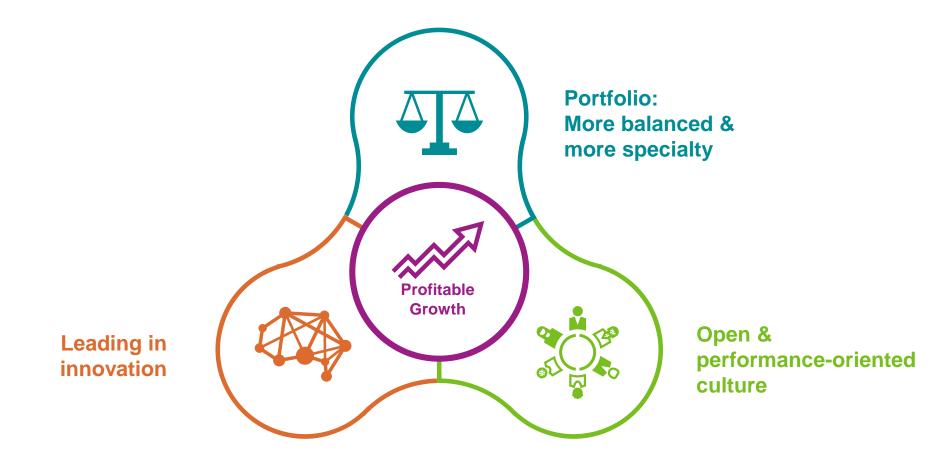
March 24, 2020

Corporate Responsibility Relations | 2020





Evonik Strategy: Targeting excellence in three strategic focus areas





Our sustainability management



Thomas Wessel
Executive Board Member
responsible for sustainability

Executive Board – Overall responsibility for sustainability

Executive Board member in charge – Chief Human Resources Officer (CHRO)

Segments

Corporate Divisions

Regions

Executive Committee HR

Corporate Responsibility Panel

Global Corporate Responsibility Committee

CR Expert Circles



Sustainability Highlights

Excellent Rankings

Sustainable Development Goals

Environmental targets



Sector leading rankings

"A" MSCI ESG rating¹, EcoVadis "Gold" rating, "B-"ISS Oekom² and "B" CDP rating³



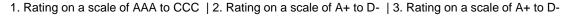
>50% of sales contribute to SDGs

SDGs "Responsible consumption & production", "Climate Action", "Good Health" and "Clean Water" identified as being particularly relevant to Evonik



Ambitious environmental targets

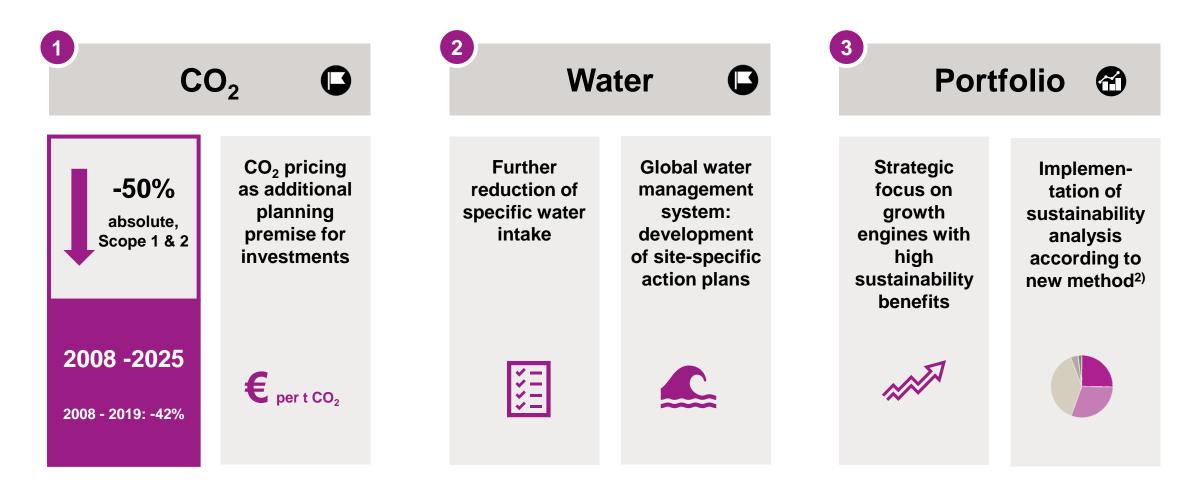
Evonik's sustainability strategy 2020+ with ambitious climate and water targets



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Our sustainability strategy¹





Evonik committed to Paris Agreement on Climate Change

SDG 13

One of the four most relevant SDGs for the **Evonik Group**

13 CLIMATE ACTION

CO, G



Carbon Pricing

as additional planning premise for investments since fall 2019

Our assumption: In ≤10 years, all regions relevant for Evonik will be covered by CO₂-regimes of ≥50 €/t CO₂

Scope 3

Reduce absolute scope 3 emissions from upstream value chain by 15% by 2025 (reference base: 2020)

R&D for "green" energy



Joint project by Siemens and Evonik on artificial photosynthesis

Generation of high-value specialty chemicals from carbon dioxide and eco-electricity

Test facility to start operating at Evonik's Marl site in 2020





-50%

absolute,

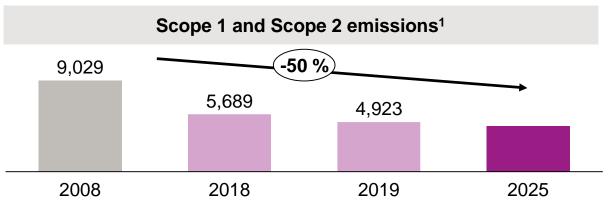
Scope 1 & 2

2008 - 2025

2008 - 2019: -42%

New gas and steam turbine power plant in Marl





- Modernization of Evonik's power plant park as key element in achieving our targeted CO₂ reduction
- Replacement of last coal-fired power plant at Marl Chemical Park by a flexible gas and steam turbine power plant
- Total power output of 180 megawatts with an efficiency exceeding 90%
- Global scope 1 GHG emissions to be cut by ~20%, mainly due to annual reduction of 1 million metric tons CO₂
- Plant expected to come on stream by 2022



Sustainability Analysis integrated into strategy and portfolio decisions

Portfolio management via sustainability criteria

Method

Analysis and results

Strategic measures













- WBCSD¹ sector standard approach aligned to specific requirements of Evonik
- Approach **audited** by PWC

- 99% of sales covered by Sustainability analysis
- Classification of product portfolio according to its sustainability performance (A++ to C--)

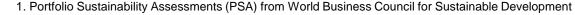


- Analysis part of strategic portfolio management e.g. for
 - Investments
 - **Innovation**
 - M&A





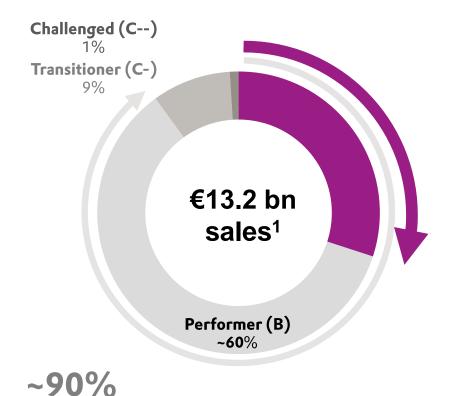




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>30% of Evonik's portfolio with superior sustainability benefits



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

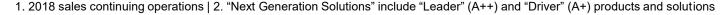
>30% "Next Generation Solutions"²

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

Target to further increase "Next Generation Solutions"

Challenged and transitioner products:

Evaluation of strategic options (transform/exit/divest) within 5 years



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Summary: Our sustainability strategy¹

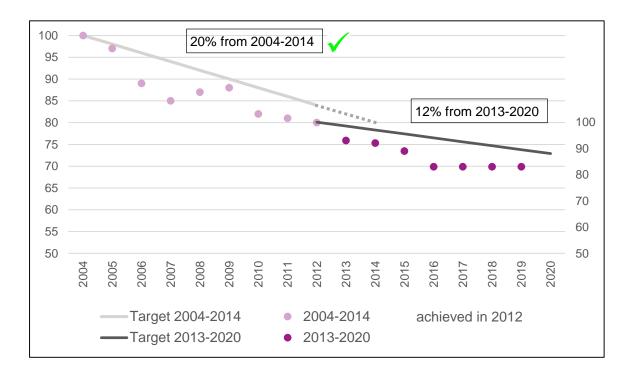
- Sustainability is part of Evonik's market proposition
- Evonik is committed to foresighted resource management
- Evonik has defined growth engines with a clear focus on sustainability
- Evonik integrates sustainability into its strategic management processes
- Evonik sets high standards for continuous improvement of reporting



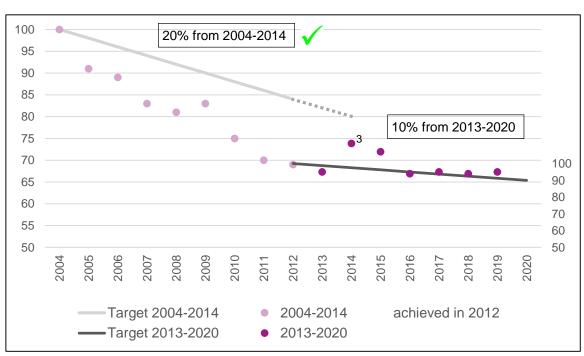


Ambitious environmental targets 2004 – 2020

Specific GHG emissions¹



Specific water intake²



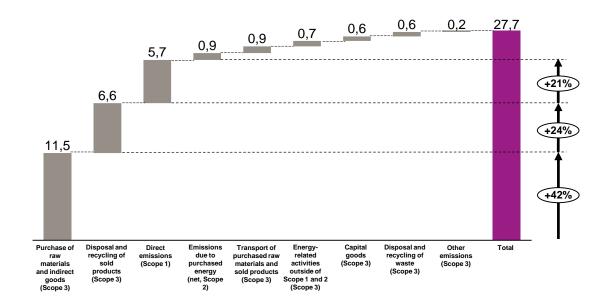


¹⁾ Energy- and process-related emissions as defined by the Greenhouse Gas Protocol, scope 2 emissions calculated using market-based method 2) Reporting on specific water intake has been recalculated retrospectively. Based on our regular analytical verification - checks on random samples of reported data and audits - gaps in reporting in one organizational unit were identified and corrected 3) Start-up of hydrogen peroxide facility in Jilin (China).

Managing Evonik's carbon footprint

Carbon footprint

Evonik Carbon Footprint in 2018 (27,6 Mt CO₂e)

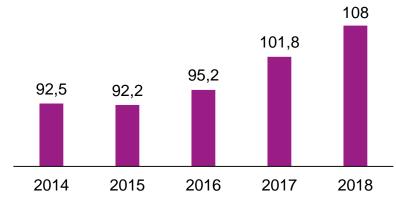


Avoided emissions

108 million metric tons CO₂eq¹ avoided emissions

by use of selected Evonik products² compared to conventional alternatives on the market

CO2eq¹ in million metric t





Gate to gate: Sustainability evaluation part of our R&D

€428 million

R&D expenses R&D expenses to sales ratio: 3.3%

DSM and Evonik combine expertise in JV Veramaris for omega-3 fatty acids from natural marine algae for animal nutrition in acquaculture



Global R&D network:

~2,600 employees

38 site

~225

New patent applications filed

~24,000

Patents and pending patents

47%

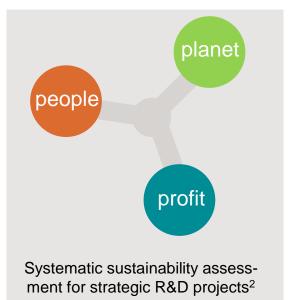
of sales patent-protected



Biosurfactants on industrial scale: Evonik and Unilever teamed up Tissue Engineering project house in Singapore



Current market growth¹ of ~30% p.a.; market volume¹ of US \$3 bn by 2021



13%

of sales with products and applications less than 5 years old



♠ Innovation Award: AEROSIL® E2D



Gate to gate: Our innovation targets

R&D expenses to sales ratio

Group level: 3.3% Growth engines: 4–6%

Sales with new¹ products and applications

Medium term target: 16% of sales 2019: ~13% of sales

Corporate Venturing

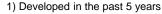
~ 30 investments since 2012

2019: 2nd venture capital fund launched (€150 million), more than doubling amount under management to €250 million





Additional contribution to sales by 2025: > €1 billion; 2019: ~ €300 million





Downstream: Sustainability as growth driver¹

Growth engines	Growth trends and drivers	"Sustainable" products	Market growth in %
Specialty Additives "Small volume, big impact"	 Rising requirements on additive effects Need for increased product performance and efficiency 	 Additives for eco-friendly coatings PU additives for insulation Oil additives for fuel savings 	5 – 6
Health & Care Preferred partner in Pharma and Cosmetics	 Increasing health awareness Bio-based products and eco-safe cosmetics 	Pharma polymersOleochemicalsAdvanced biotechnology	5-6
Smart Materials Tailored functionalities for sustainable solutions	 Trend towards resource efficiency in highly-demanding applications Engineered materials to fulfill high performance requirements 	 Silica & silanes ("green" tire) HPP² for lightweight applications or 3D-printing Membranes for biogas upgrading 	4-7
Animal Nutrition Comprehensive portfolio for sustainable food chain	 Sustainable nutrition Improving food quality and safety 	Amino acids for animal nutritionProbiotics	5-7

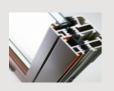


Products with significant contributions to sustainable development¹

Insulation & Circular Economy

POLYVEST® HT

for sealing compounds for insulating glass windows (triple glazing)



VESTENAMER®

process additive allows rubber waste to be processed to low-noise asphalt



PU-Additives

for furniture applications and the automotive industry (low VOC)



CALOSTAT®

purely mineral high-performance insulation material; fully recyclable; incombustible



Mobility

Silica-organosilane reinforcing system for "green tire" technology



DYNAVIS®

oil additives for energyefficient hydraulic fluids



ROHACELL®

light-weight technology for automotive and aircraft industry



DRIVONTM

technology for costefficient engine oils and transmission fluids



Renewable Energies

Catalyst NM 30

for cost-efficient biodiesel production



Crosslinkers, silica, oil additives, silicone epoxy resins for wind power



SEPURAN®

encapsulation

customized hollow-fibre membranes for efficient biogas purification



TAICROS® Crosslinkers for photovoltaic cell







UN Sustainable Development Goals (SDGs)

2017
Our contributions to the SDGs



Internal stakeholder view External stakeholder view

Sales

Growth engines

Innovation growth fields

2018

Most relevant SDGs for the Evonik Group

2019/2020

Inclusion in sustainability analysis of business











Our positive impact on the SDGs of most relevance for Evonik¹

Our contribution to SDG 12

- High safety standards
- Responsible supply chain management
- Responsible management of chemicals and waste
- Products for resource efficiency in highly demanding applications

Our contribution to SDG 3

- APIs² and intermediates
- Food ingredients and nutritional delivery
- Highly purified amino acids
- Parenteral and drug delivery
- Medical devices



Our contribution to SDG 13

- Ambitious CO₂ reduction targets
- Silica-silane technology for "green" tires
- Oil additives to exend life of hydraulic machines and save fuel
- Membranes for biogas upgrading
- DL methionine for animal nutrition
- High-performance insulation materials

Our contribution to SDG 6

- Global water management system: development of site-specific action plans within Evonik Group
- Oxidation agents, waste water treatment
- Biosurfactants



We create value for society^{1, 2}







€1: **€4.27**³

Every €1 value added by
Evonik creates a total of
€4.27 added value for society

1:7.9 jobs³

One Evonik employee secures an average of 7.9 jobs in the value chain

€1: **€1.82**³

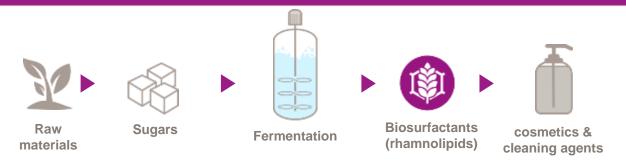
Every €1 value added by Evonik results in public revenue of €1.82



¹⁾ Impact valuation of our business in 2019 along the value chain (excluding the methacrylates business) covering Germany, the rest of Europe, USA, Canada, Mexico, Asia-Pacific, Middle-East. Africa, and Central & South America on the basis of currently available data. 2) Data outside the scope of the limited assurance review. 3) The total includes Evonik's direct impact.

Biosurfactants are the next game changer in Evonik's innovation portfolio

A unique process resulting in a unique product



"Biosurfactants are looked to with some enthusiasm by users and manufacturers alike. Recent investments by companies like Evonik and Unilever in commercialising biosurfactant-based consumer products have attracted a lot of attention"

Surfactant Community Report 2020, Neil Burns

Fulfilling today's and tomorrow's consumer needs

Origin

- 100% renewable
- No tropical oils
- Natural ingredient

Sensorials

- Mild to the skin
- Pleasant skin feel
- Creamy foam

Performance

- Excellent foaming
- High cleansing/ degreasing
- Hard water resistant

Environmental

- Bio-processed
- 100% biodegradable
- Low aquatox









Biosurfactants vs. Biobased Surfactants

Biosurfactants (Rhamnolipids)

Natural surfactants produced by fermentation



Derived from plant based sugars



Bio-processing (fermentation)

No hazardous feedstocks



Nature identical structures



Consumer perceivable mildness benefit



Best in class environmental profile

Biobased Surfactants

Synthetic surfactants from renewable raw materials



Derived from (tropical) oils



High temperature/pressure involved May use hazardous raw materials

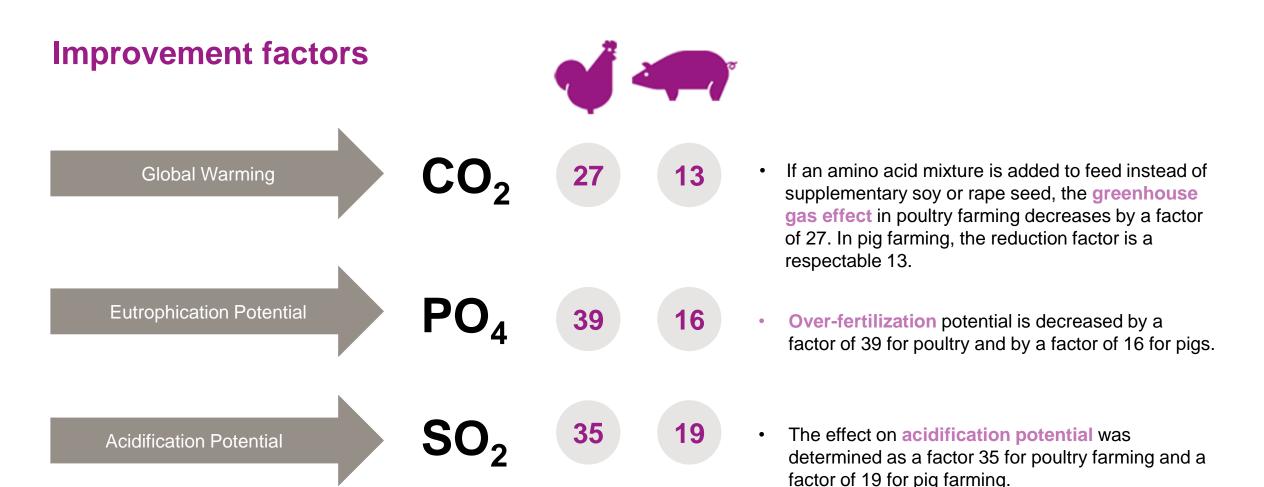


Synthetic structures

Examples: Alkyl polyglucosides, Glucamides, nonionic surfactants made from biobased ethylene oxide



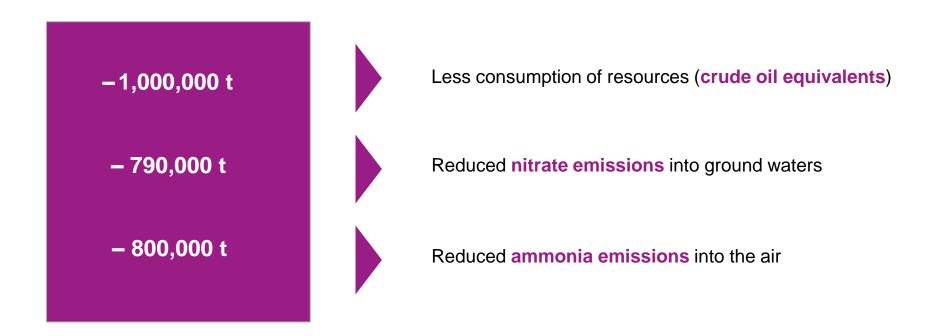
LCA TÜV Rheinland¹ of Evonik's amino acids for animal nutrition





Substantially lower resource consumption & emissions

With 1 kg of DL-Methionine, up to 260 kg of soybean meal can be replaced in feed. The use of 100,000 t DL-Methionine¹ means:





Algae to produce omega-3 fatty acids, skipping over the food chain in the ocean



Specialist in developing industrial biotechnology processes and in operating large scale manufacturing sites for fermentative processes



Specialist for the cultivation of marine organisms including algae





A combination of complementary expertise

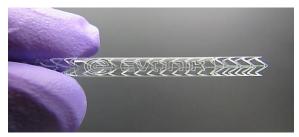
- Start-up of new plant in July 2019
- Market-pull from the feed value chain, consumers and NGOs
- Committed customers like Norwegian salmon farmer Lingalaks & German retailer Kaufland
- Initial sales potential of ~€150 200 m from first plant¹
- Evonik site in Blair offers flexibility and opportunity for further investments to expand production



Tissue Engineering Project House following Medical Devices

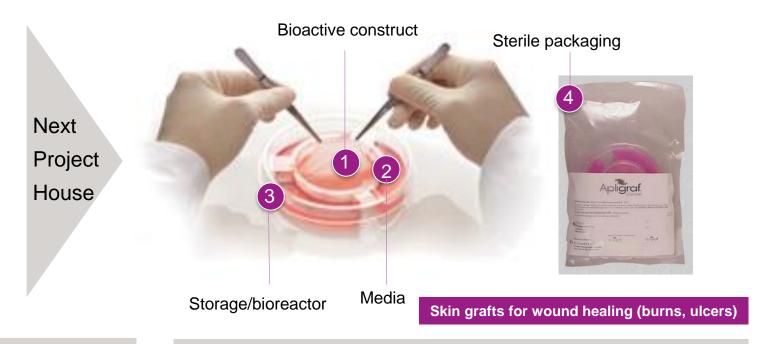


Biodegradable Bone Screw



Biodegradable Stent

- Network with more than 15 universities an institutes
- More than 10 customer projects launched
- More than 10 patents filed
- First product launched



- Evonik's right to play: eg materials (amino acids, growth factors, resobable polymers)
- CAGR 30%
- Evonik addressable markets: 3B (2021)



Sustainability as a growth driver: efficiency in construction

Silica

Non-combustible highperformance insulation materials are recyclable and allow for slim insulation at new and refurbished buildings.



Silanes

Best practice anti-corrosion systems avoid maintenance costs caused by corrosion over a time period of more than 35 years.

Binding agents

Durable road markings improve road safety and save **more than 33%** of the CO₂ footprint over the life cycle compared to other technologies.

Processing aid

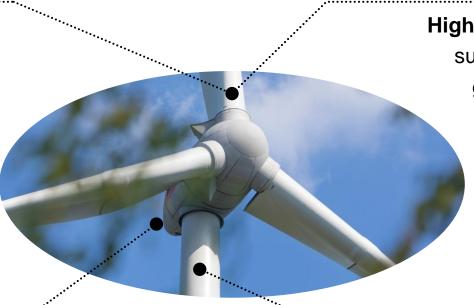
Efficient use of ground tire rubber in asphalt, along with reduction of lane grooves, crack formation and noise generation.



Sustainability as a growth driver: wind power

Crosslinkers

Composite materials in rotor blades have gained wide acceptance due to their high carrying capacity and their low weight.



Silica

High-performance adhesives enable the sustainable construction and stability of glued rotor blades **longer than 75 m.**

Oil additives

Wind turbine gear oils with high reliability reduce lubricant cost by 20%.

Silicone Epoxy Resins

Anti-corrosion coatings are **approx. 50%** thinner, at the same performance.



Sustainability as a growth driver: efficiency in mobility

Polymer powder

Additive Manufacturing (3D printing) enables new design freedom, light weight components, rapid prototyping and more efficient spare parts logistics.

Membranes

Energy carriers methane and hydrogen

from renewable sources emit significantly less CO₂ over the life cycle than petrol and diesel.

Silica/Silane system

The **Green Tire** with lower rolling resistance reduces fuel consumption and CO₂ emissions by **up to 8%**, compared to conventional automobile tires. Road safety is improved due to reduced braking distance on wet roads.

Crosslinkers, polymers, resins

Light weight solutions reduce the weight of selected components with the same function by **up to 60%** in comparison to aluminum.

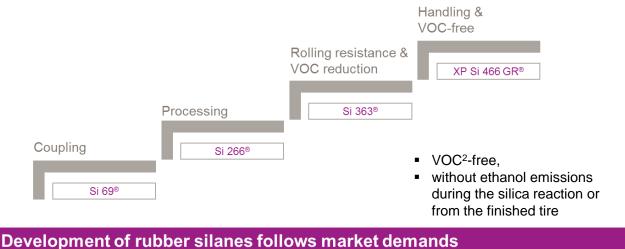


Sustainable mobility: "Green tire"



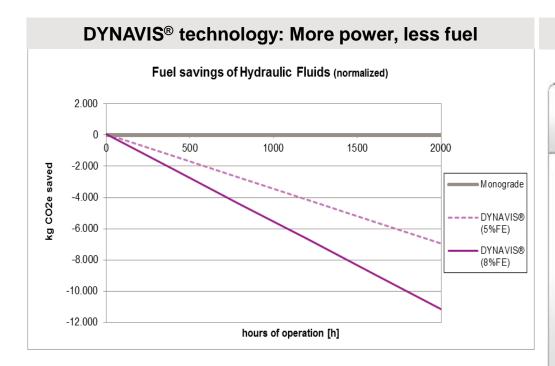
Reduced rolling resistance Silica/silane system of Evonik 2 Silica/silane system of Evonik 1 Standard carbon black system abrasion resistance Improved wet grip

- Sustainable mobility more and more important to consumers worldwide
- Low resistance tires lead to fuel reduction by up to 8%¹; silica/silane systems as essential components of the rubber mixture of these tires
- Since 2010, market for "green tires" has grown by 30% p.a.; labeling requirements as growth driver
- Evonik is improving "green tires" even further, bringing a new silane on the market in the near future

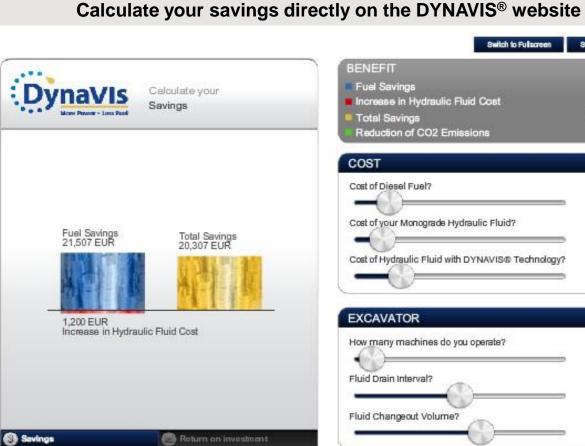




DYNAVIS® additive technology for hydraulic fluids



- Up to 30% less fuel consumption for the same amount of work
- Up to 30% more hydraulic power under full-load conditions





Switch to USD / gall

14,338 |

39.4 MT

1.50 EUR/I

2.20 EUR/I

3.00 EUR/I

2500 h

300 |

1,200 EUR

20,307 EUR

Membranes for efficient separation of gas mixtures

Internal innovation achievement (Creavis)

Polyimide membrane modules for efficient and energy-saving gas separation, tailoring selectivity and permeability exactly to the specific application

Stepwise tapping new growth markets

2011: SEPURAN® Green for upgrading biogas to biomethane; today: >300 biogas upgrading installations operating worldwide, reducing CO₂-emissions by nearly 2 million metric tons p.a.

2015: SEPURAN® Noble for energy efficient helium recovery from source gas

2016: SEPURAN® N₂ for energy efficient nitrogen generation from air

Strategic partnership with Linde

2016: Reference plant for helium upgrading in Mankota (Canada)

2018: Exclusive cooperation agreement on the use of membranes for natural gas processing

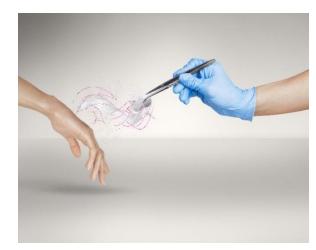


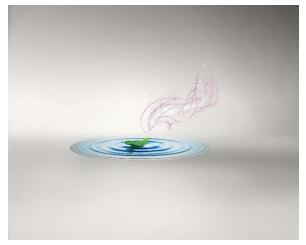
- Already mid-double digit million € business¹
 in BL High Performance Polymers (Resource Efficiency Segment)
- Strongly growing with 20% CAGR



Evonik is expanding its business with environment-friendly oxidation agents

- Acquisition of PeroxyChem (Philadelphia, USA) with attractive hydrogen peroxide (H₂O₂) and peracetic acid (PAA) businesses in February 2020
- Sales of approx. US\$300 million, adj. EBITDA of >US\$64 million in 2019
- Focus on high-margin specialty applications in the environmental, food safety, and electronics semiconductor industries
- Businesses with low cyclicality, unlocking additional growth opportunities.
 Demand driven principally by need for sustainable disinfectants
- Successful start-up of wastewater treatment plant using PAA in Memphis (Tennessee, USA) in 2019; long-term supply agreement with City of Memphis
- PAA biodegradable in water; H₂O2 as environmentally friendly and resource-efficient "green" chemical







Animal welfare

- Wherever possible, usage of published data to minimize animal testing
 - Teaming up with other companies to carry out joint tests
 - Taking read-across, grouping and in-silico-/in-vitro approaches
 - Active involvement in EPAA¹, SET Foundation²
- Toxicological/ecotoxicological data still needed to assess safety of Evonik products
 - Tests on animals in many cases only way of reliably generating these data
 - Under national/international regulations (e.g. REACH) animal testing still required
- Evonik exclusively selects certified contract research organizations with high animal welfare standards
- Within Evonik Group, animal protection guidelines and animal protection officers installed





Introduction

Evonik bears tremendous responsibility for the safety and quality of its products throughout the entire product life cycle ("from crade to grave") and for protecting people and the environment. The ability to assess product safety requires toxicological and ecotoxicological data, and, in many instances, animal tests remain the only reliable source of these data from a scientific perspective. In addition, the corresponding laws at both a national and international level require manufacturers to perform animal tests. Evonik actively supports the development of alternatives to animal tests in order to continue reducing the number of animal tests performed now and to completely eliminate them in the future. Evonik is guided by the 3R concept*: Reduce— Refine — Replace:

> Evonik Industries AG Relitinghauser Straße 1–11 45128 Essen www.evonik.de

Evonik, Power to create,



Sustainable use of palm oil



Since 2014 RSPO-certified products offered such as emulsifiers, consistency enhancers for creams and lotions.

Today, BL Care Solutions offers >100 ingredients for the cosmetic industry according to MB supply chain rules.

Evonik member of Roundtable on Sustainable Palm Oil (RSPO) since 2010

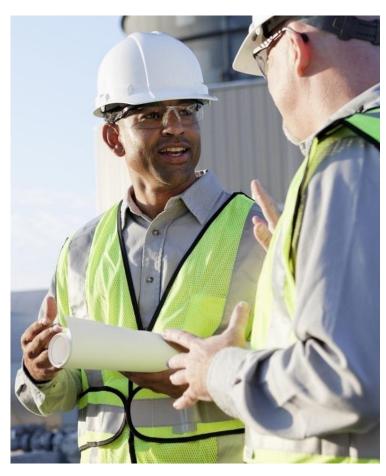
All main Evonik sites¹ processing palm oil certified according to RSPO Standard (MB², SG³)

Share of RSPO certified raw materials amounts to ~25% for the Evonik Group, 65% for BL Care Solutions

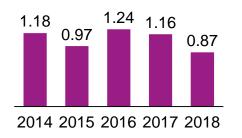
Our goals: We intend to purchase only certified palm-based raw materials by 2023. Moreover, we will further expand our certified product portfolio.



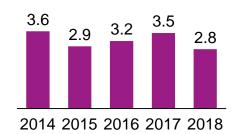
Safety is at the top of our agenda



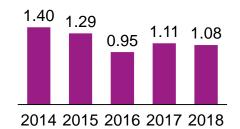
Occupational safety & plant safety



Accident frequency rate¹ for Evonik employees considerably improved; target 2018 (≤1.30) ✓



Accident frequency rate² for contractors' employees considerably improved



Incident frequency rate³ at very good level target 2018 (≤ 1.10) ✓



Incorporation of safety performance in remuneration systems; culture initiative "Safety at Evonik" firmly established. Implementation of ESTER⁴ covering core ESHQ work processes.

FY 2018 1) Number of work-related accidents involving Evonik employees and employees under the direct supervision of Evonik per 1 million working hours 2) Number of work-related accidents involving non-Evonik employees resulting in absence from work per 1 million working hours 3) Process Safety Performance Indicator according to Cefic, covering incidents involving the release of substances, fire or explosion, even if there is little or no damage. It is calculated from the number of incidents per 1 million working hours of Evonik employees 4) ESTER = Evonik Standard Tool ESHQ and reporting Public | 2020 | Corporate Responsibility | Société Générale ESG-SRI Conference, 24.03.2020



Our sustainability commitments

External



UN Global Compact

Aligning companies' operations and strategies with 10 universally accepted principles in the areas of human rights, labor, environment and anti-corruption



Responsible Care

The global chemical industry's initiative to improve health, environmental performance, enhance security, and to communicate with stakeholders about products and processes

Chemie³



An alliance of VCI, IG BCE and BAVC underpinning sustainability as a guiding principle of the chemical industry in Germany and providing inspiration for the international community

Internal



Global Social Policy

Evonik's internal commitment to human rights, core labor standards, international standards and principles of conduct



ESHQ Values

Protecting people and the environment, treating partners fairly, and focusing on the needs of customers as core beliefs for everyone at Evonik



Code of Conduct

Containing corporate values and principles, governing conduct of all Evonik employees; externally operated whistleblower system



Ratings & Rankings: Evonik well-positioned

- ✓ Oekom Research (Prime Standard B-)
- ✓ Sustainalytics (among Top 10 of chemicals sector)
- ✓ Together for Sustainability/EcoVadis ("Gold Standard")
- ✓ Dow Jones Sustainability Index Europe
- ✓ FTSE4Good Europe, FTSE4Good Global
- ✓ STOXX® Global ESG Leaders
- ✓ MSCI World ESG Leaders Index; Socially Responsible Index MSCI Europe
- ✓ Vigeo Eiris Euronext Index (Europe 120, Eurozone 120)
- ✓ CDP Climate Change: B; CDP Water: B



















Evonik member of newly launched¹ DAX[®] 50 ESG index

This makes Evonik one of the 50 largest and most sustainable companies in Germany.

The DAX® 50 ESG index combines the two most popular sustainable approaches for equity investing:

- negative exclusions and
- individual ESG scores, as calculated by Sustainalytics' rating model.

Market capitalization and stock exchange turnover as further criteria.





Management compensation: Executive Board

Fixed salary

~1/3

To be paid in cash for each financial year on a monthly basis

Bonus

~1/3

 Pay-out calculated on the basis of the achievement of focused KPIs; aligned to mid-term strategic targets:

- 1. Progression towards EBITDA margin target
- 2 EBITDA growth (yoy)
- 3. Contribution to FCF target
- 4. Accident performance (frequency and severity of accidents)
- 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

- 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

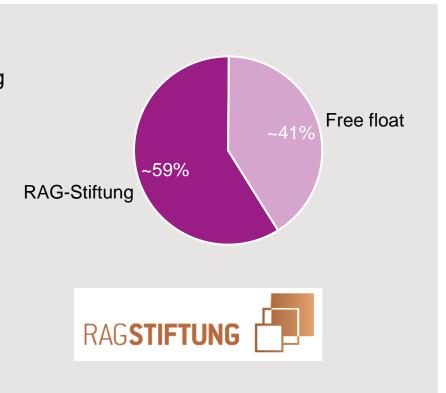
- Absolute performance: Real price of the Evonik share
- Relative performance against external index benchmark (MSCI Chemicals)
- Bonus capped at 300% of initial amount
- To be paid out in cash after lock-up period



Shareholder structure

RAG-Stiftung (RAG Foundation)

- Obligation to finance the perpetual liabilities arising from the cessation of hard-coal mining in Germany
- Evonik as integral and stable portfolio element with attractive and reliable dividend policy
- Clear intention to remain significant shareholder
- RAG-Stiftung capable to cover annual cash-out requirements with Evonik dividend (~€363 million dividend in 2018)





Disclaimer

In so far as forecasts or expectations are expressed in this presentation or where our statements concern the future, these forecasts, expectations or statements may involve known or unknown risks and uncertainties. Actual results or developments may vary, depending on changes in the operating environment. Neither Evonik Industries AG nor its group companies assume an obligation to update the forecasts, expectations or statements contained in this release.

