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LANXESS - Energizing Chemistry

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Corporate Responsibility

Business Segments

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Saltigo

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History

November 2019

Dear friends of LANXESS,

Since the last edition of the LANXESS factbook was published in 2017, the face of LANXESS has substantially changed. Our transformation is well on track and we have already reached important milestones on our journey to make LANXESS a more resilient, more profitable and more sustainable company. This factbook provides you with a deep dive into LANXESS' businesses and the drivers to execute our strategy.

We continued to upgrade our portfolio with several transactions. The biggest impact surely came from the faster than scheduled exit from the rubber JV ARLANXEO. Thus, we substantially reduced dependency on volatile raw materials and more than halved the automotive end market exposure to currently ~20%. We further strengthened our set-up by acquiring the U.S. phosphorus business of Solvay and divested several non-core businesses.

With the **disposal of the 40% stake in the site service provider CURRENTA**, we will monetize significant hidden reserves and secure our strategic interests on a long-term basis. The exit of the Chrome Chemicals business is part of the realignment of our Performance Chemicals segment towards specialty chemistry with focus on regulated Consumer Protection Chemicals.

Operationally, the acquired Chemtura businesses were integrated faster than targeted. The majority of identified cost synergies of €100m have already been realized. We improved our end market split, making it more balanced and less dependent on the automotive industry, as well as establishing a more balanced global footprint, now with a greater presence in growth markets like Asia and the U.S. All of our businesses have leading market positions in attractive medium-sized or niche markets.

Our organic investments into brownfield and de-bottlenecking projects will total €400 m in 2020, since their announcement in 2017 – and contribute to growth and improved margins with an average ROCE of 20%. As a result, we already entered the corridor of 14 to 18% EBITDApre margin targeted through the cycle - despite a difficult environment. And we will continue to invest and improve our businesses by further realignments.

We also significantly improved our financial position. The ARLANXEO exit led to a meaning-ful net debt reduction. Part of the proceeds were used for a share buyback and pension funding. Additionally, our solid financials will be further improved by the proceeds of the Currenta divestment in Spring 2020. Thus, we have accomplished a strong balance sheet and financial flexibility. We intend to use this flexibility as a sound platform for further growth while maintaining our commitment to a solid investment grade rating.

We are convinced that economic growth has to be based on sustainable goals and an applied corporate responsibility. **LANXESS** is committed to the Paris Agreement and has stipulated its corporate responsibility goals according to the United Nations' Sustainable Development Goals. As one of the first global chemical companies to commit, LANXESS has defined a clear path to reduce CO₂ emissions and become climate neutral by 2040. Sustainability is a priority to us and we will seize it as a competitive advantage.

We are excellently positioned to keep growing profitably and create even more value in the future.

Sincerely,

Mattin Jall

Matthias Zachert

Chairman of the Board of Management



LANXESS

Energizing Chemistry



LANXESS - A globally operating specialty chemicals company

Spin-off from Bayer in 2004 **Specialty** chemicals Specialty chemicals portfolio: Chemical intermediates, additives, specialty chemicals and engineering materials company • 60 production sites worldwide Global success story

- Approximately 15,400 employees in 33 countries
- Global sales of €7.2 bn in 2018

Focus on profitability and resilience

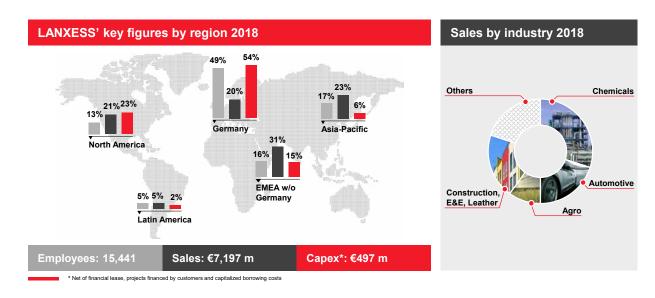


- Strengthening of leading positions in medium-sized markets
- Consolidation in Europe, expansion in USA and Asia

LANXESS - A global specialty chemicals group



LANXESS well diversified, worldwide present and serving a broad range of customers



LANXESS with clear strategic focus: Building a more balanced company

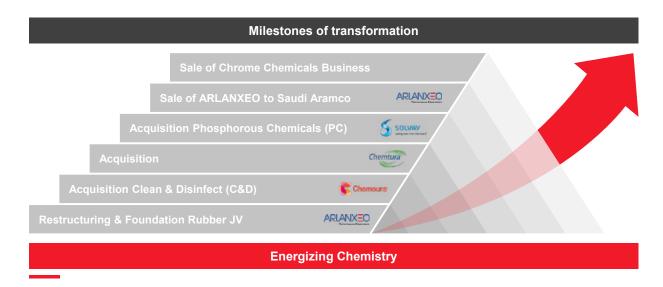


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Organization with global responsibility – The board of LANXESS AG



Our path towards a more resilient and attractively growing LANXESS



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LANXESS - A sustainable and reliable partner for the future

Committed to Sustainability

- Clear target definition to become climate neutral until 2040
- Member of Dow Jones Sustainability World & Europe Index and Carbon Disclosure Project (CDP)



Driving Digitalization

- Driving new digital business models
- Close collaboration with customers to develop digital integration



Leveraging **Critical Mass**

- Stock-listed company with €7.2 bn sales
- Financial resources to support growth





Living **Performance** Culture

 Differentiating by a fast, dynamic and agile corporate culture



The way forward – Providing direction from four perspectives



The way forward - Continuous Portfolio Management



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Perfect match: The characteristics of Consumer Protection Chemicals and our competences



Characteristics:

- High entry barriers due to increasing regulation
- Strong expertise in Regulatory Affairs
- Data ownership* essential for product registration
- Attractive secular growth, independent of industry cycles

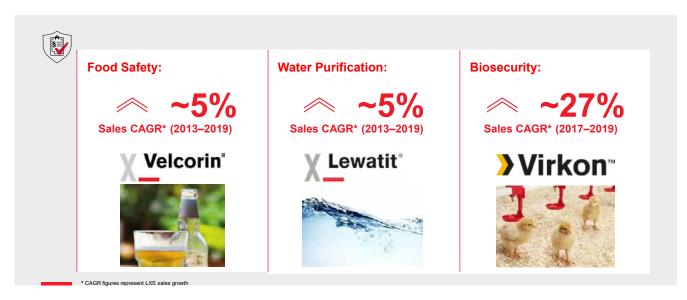


Our competences:

- Global set-up in Regulatory Affairs
- Regulatory competence:
 One of the largest global expert teams in the industry
- Unique Portfolio in Animal Protection Chemicals

* Identity, phys.-chem, analytical, methodology information

LANXESS Consumer Protection: Our products follow strong application-driven trends



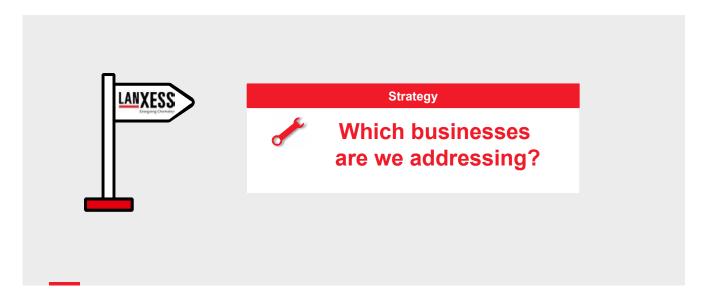
The way forward - Continuous Portfolio Management II



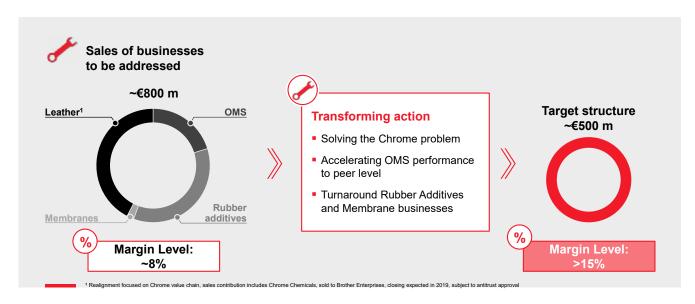
Capital allocation follows clear individual strategies for each business

	Organic growth/Capex	Likelyhood for M&A	Turnaround
Advanced Intermediates			Organometallics
Specialty Additives			Rubber additives
Performance Chemicals			Chrome value chain Membranes business
Engineering Materials			

The way forward – Fix underperforming businesses

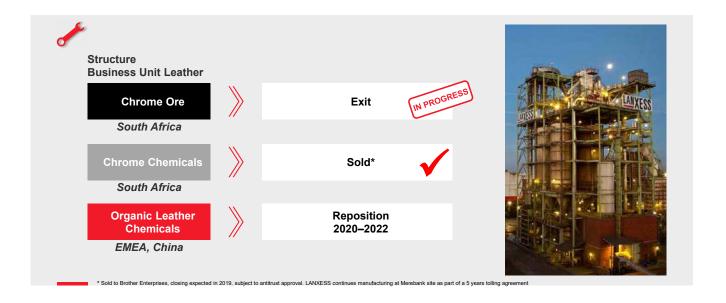


Rigorously addressing under-performing businesses across our portfolio

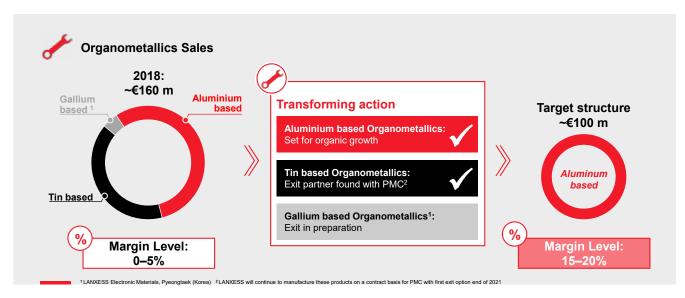




Strong progress in solving the Chrome problem



Strong progress in improving Organometallics' performance to competitive peer level



C15 Corporate responsibility

The way forward - Innovation



We focus on product, process, and technology innovation



Our Philosophy

- Result-oriented product innovation
- Process innovation with focus on energy & resource efficiency
- Technology innovation that will change chemical business models (esp. digitalization)



Global innovation platform

- 33 application centers in 14 countries focusing on product innovation
- Dedicated task force teams continuously optimize production processes worldwide
- Centralized digital team to introduce new technologies and change business models



Strong alliances

- More than 150 research cooperations with customers, universities and other research institutes worldwide
- Collaboration with leading AI specialists Citrine, Palantir, et al.

Identifying innovations that fit to our business – A natural preservative derived from an edible fungus





Nagardo

Acquisition of IMD Natural Solutions completed in 2017

- 9 FTE with a lab in Dortmund, Germany
- Purchase price: €30 m, additional investments to follow

Rationale

- Strong trend to replace chemicals with natural preservatives
- LANXESS has a global sales force and regulatory expertise
- Currently no comparable natural product on the market

Potential:

- Key market: USA; FDA approval received in 2018, further market approvals in preparation
- First meaningful sales in 2020
- Full potential to be reached 2025–2030

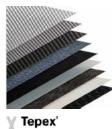
Accessible initial market (USA)

~€200– 250 m

Identifying innovations that fit to our business – Tepex: Fiber reinforced high performance plastic



BU HPM



Acquisition of Bond Laminates completed in 2012

- ~80 FTE
- Purchase Price: ~€35 m, additional investments to follow

Rationale

- Leading manufacturer of thermoplastic composites
- Customer advantages:
 - Easier product handling
 - Potential to reduce production costs
 - Product functionality (strength and stiffness)

Potential:

 Strong market potential e.g. in automotive, consumer electronics, industry, and sports (e.g. solar panels, helmets) ~€300 m

sales potential in 2030

We consider E-Mobility as a major opportunity



E-Mobility: Key driver for battery growth

- Battery demand grew by 30% p.a. (2010-2018) to 180 GWh¹
- Globally, E-Mobility will account for >85% of total battery demand²

High share of chemicals

- Chemicals account for >50% of total cost of battery cells
- Announced cell capacities lead to €8-9 bn p.a.³ chemicals demand

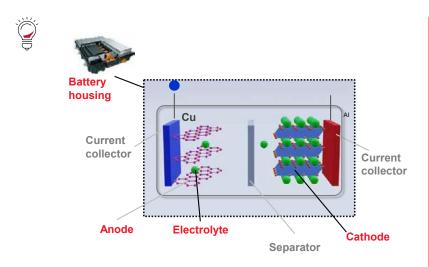
Growth markets

- Changing battery market: An Asia dominated market will turn into a global market with increasing shares for EU & US
- E-Mobility growth drives ramp-up of cell production sites in Europe
- Supportive governmental regulation



¹ Global Battery Alliance ² relates to 2030 / McKinsey / ³ VCI, from 2025 onwards

LANXESS offers key products for Li-lon batteries



Battery Housing

 PA/PBT compounds for new components of the e-powertrain (BU HPM)

Electrolyte

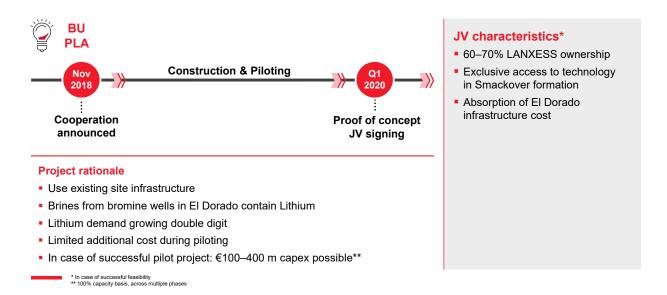
- Key materials (Hydrofluoric acid, phosphorus chemicals) for electrolyte salt (LiPF₆) (BU AII/BU PLA)
- Flame retardants (BU PLA)

Cathode & Anode

- Iron oxide as precursor for cathode active material (BU IPG)
- Ion-exchange resins for refining battery grade cobalt, nickel and lithium (BU LPT)
- Lithium chemicals from tail-brine (BU PLA)*

PA = Polyamid / PBT = Polybutylenterephthalat PLA = Polymer Additives All = Advanced Industrial Intermediates IPG = Inorganic Pigments HPM = High Performance Materials LPT = Liquid Purification Technologies * In case of successful feasibility

Cooperation with Standard Lithium could deliver upside in a promising market



The way forward – Digitalizing the value chain

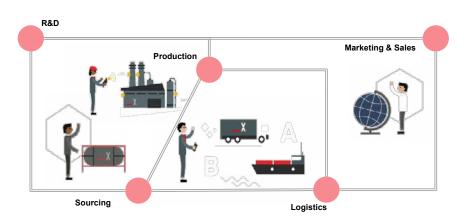


Digitalizing the value chain LANXESS to be digital leader in the chemical industry



... towards a fully integrated digitalized value chain:





Digitalizing the value chain: Chemondis Paving the way to the future of trading chemicals







Project start in 2017: LANXESS' chemical industry knowledge combined with external digital experts

Pioneering into digital trading platform for chemicals to get ready for digital future

First minimal viable product (MVP) created in 2018, preparation of fully separated industry platform

Largest and fastest growing B2B marketplace

Exceptional team of skilled and dedicated experts

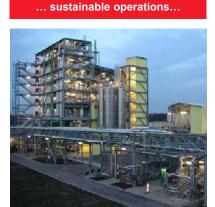
combining chemical, digital and technical know-how

Unique setup, backed by industry know-how and capital

for industrial chemicals in the western world

LANXESS pursuing sustainability as strategic goal







...environmental performance..



We consider sustainability as competitive advantage and license to operate

Powerful societal drivers are changing the face of the chemical industry



EU/World committed to keeping worldwide temperature **Climate** increase "well below 2 degrees" in the Paris Agreement Develop new resource neutral production Circular pathways, reduce resource consumption and **Economy** achieve climate targets Financial investments to be directed towards Sustainable low carbon projects and circular economy **Finance** (e.g. EU Sustainable Finance Action Plan)

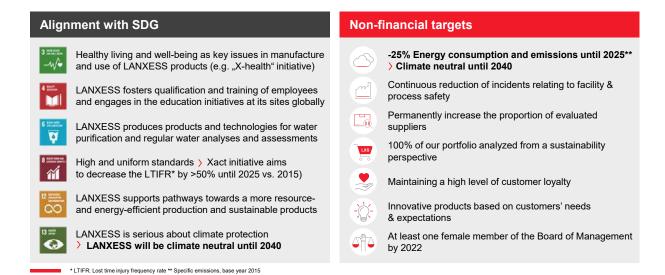
Sustainable Development Goals (SDG): Most comprehensive global sustainability framework

Ability to successfully connect to societal drivers and yield positive impact is key

LANXESS' Corporate Responsibility creates alignment with societal drivers for greater sustainability



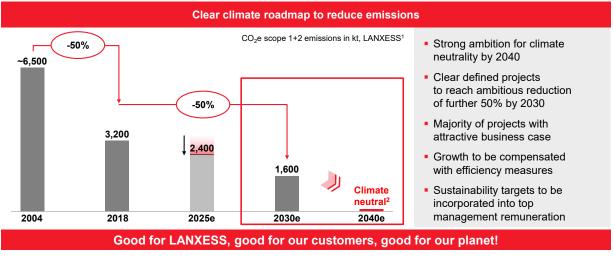
We defined ambitious non-financial targets and are dedicated to a consequent execution



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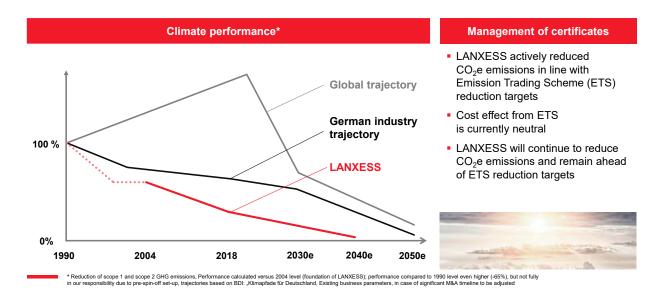


LANXESS goes climate neutral with higher target setting and new long-term commitment



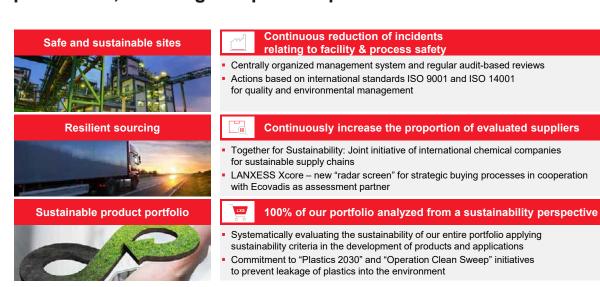
¹ Existing business parameters, in case of significant M&A timeline to be adjusted ² <300 kt CO2e emissions p.a.

LANXESS is ahead of regulation and far sighted in Emission Trading Scheme (ETS) certificates



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We pursue an integrated approach for sustainable production, sourcing and product portfolio



LANXESS' Performance Culture creates value for our customers and drives our ideas forward



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Advanced Intermediates | Specialty Additives | Performance Chemicals | Engineering Materials

FINANCIALS

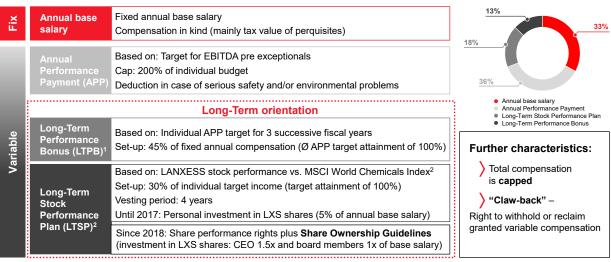
Corporate Governance embodied in appropriate values, guidelines and organizational structures



LANXESS' Supervisory Board is independent, skilled, and balanced regarding its competences

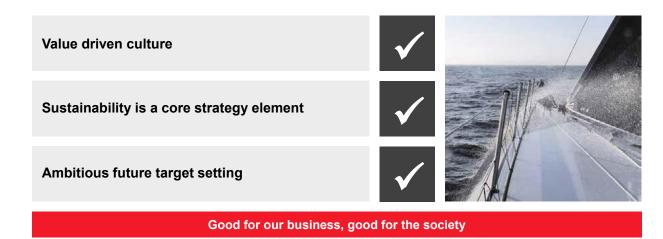


LANXESS incentivizes the Board of Management appropriately and with long-term orientation



¹ Sustainability targets will be incorporated into top management remuneration; Further consideration: LTPB to be altered to assess target attainment in 4 consecutive fiscal years ² LTSP 2014–2017; Dow Jones STOXX 600 ChemicalsSM serves as a reference index for the LTSP 2010–2013

LANXESS energizes sustainability in its business, in its portfolio and in its culture



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Awards in ratings and indices reflect LANXESS' commitment and its high standards

Our commitment, our effort:









Awards in ratings and indices:







Climascore A-



Index member



EcoVadis "Gold Recognition Level"

BUSINESS

Segments



Advanced Intermediates



Performance Chemicals



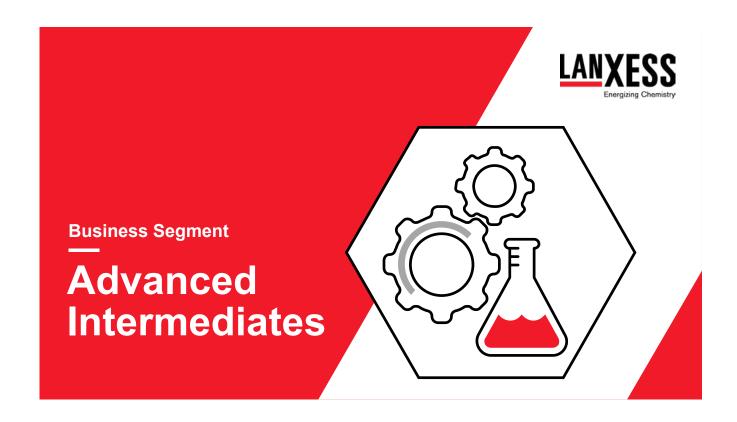
Specialty Additives



Engineering Materials

029 Advanced Industrial Intermediates

033 Saltigo



LANXESS is an important manufacturer of intermediates

Advanced Industrial Intermediates

- One of the world's leading manufacturers of high-quality industrial intermediates such as benzene- and toluene-derivatives, amines, polyols, inorganics and organometallics
- Competitiveness through an integrated production network with resilient business in the agro and chemicals industries

Saltigo

- A leading supplier in the custom synthesis market, providing state of the art technologies and services to the agrochemicals and specialty chemicals industries
- Growth driven by strong foothold in agrochemical industry

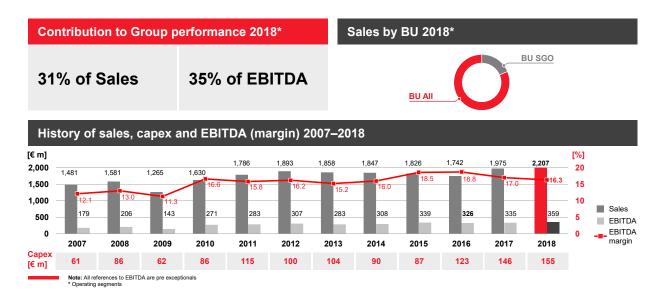




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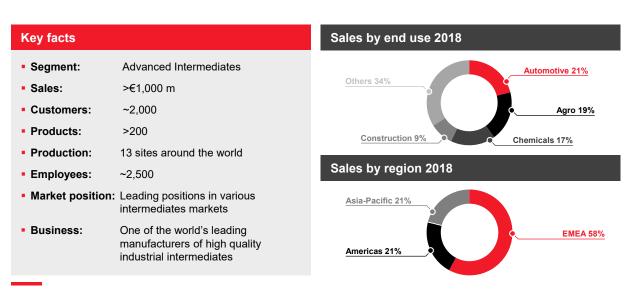
Advanced Intermediates: Financials demonstrate considerable business resilience



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Advanced Industrial Intermediates – One of the world's leading suppliers of high-quality industrial chemicals



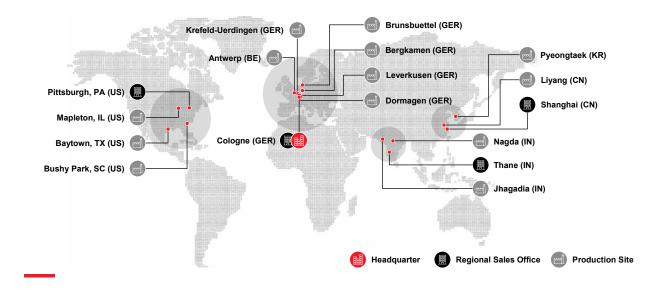
Advanced Industrial Intermediates: Providing chemical intermediates for a wide range of applications



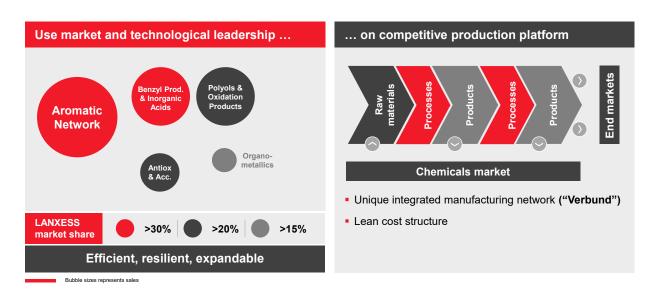
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A global reach with sites in China, Germany, India and USA to serve worldwide demand



Advanced Industrial Intermediates: Most competitive value chain



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Competitive advantage based on efficient production platform with integrated processes

Raw materials

Input

- Benzene
- Toluene
- Fluorspar
- Cyclohexane
- Aniline
- Metals





Efficient production platform

Basis for competitive advantages:

- Integrated, proprietary processes in right-scaled plants in an asset network structure ("Verbund")
-) Acts as entry barriers
- > Technology and production know-how
-) Cost leadership



Diverse end market

Main applications

- AgricultureFlavor and
- fragrances
- Polymers
- Pigments/dyes
- Paints
- Automotive
- Tires



- Technical rubber goods
- Construction
- Glass coating
- Semiconductors
- Photovoltaic
- Batteries



Global industry-trends drive the growth of LANXESS' high-quality intermediates

Market development

- Growth based on robust sustainable trends across diversified markets
- Chinese competition changing more environmentally sustainable at higher costs
- Competitive position is strengthening through organic capacity growth

Demand growth* (CAGR 2017-2021)

- Global: ~3%
 - Asia-Pacific: ~6% North America: ~3%
 EMEA: ~2% Latin America: ~4%

Source: Clobal Insight and LMC outsmotive: BLLAII apositio and use

Market environment

Supporting sustainable industry trends

- Feeding a growing population with additional needs: Population growth, urbanization and increasing standard of living drive demand for chemical intermediates
- Mobility and urbanization megatrends:
 All five Business Lines deliver key inputs for high-tech plastics, rubber manufacturing and coatings and resins
- Resource efficiency and regulatory environmental programs drive demand for chemical intermediates from sustainable manufacturing sources

Main competitors

 Yangnong, Sasol, Aarti, Honshu, Deepak, Tsaker, Panoli

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Advanced Industrial Intermediates – Well positioned to generate value in the global marketplace

Leadership positions

One of the leading suppliers of Advanced Industrial Intermediates worldwide and leadership in Europe

Most competitive network

Competitive technologies and world-scale production facilities operating at lowest cost due to most efficient "Verbund"-operations



Leading competence in managing a complex production network improving costs continuously

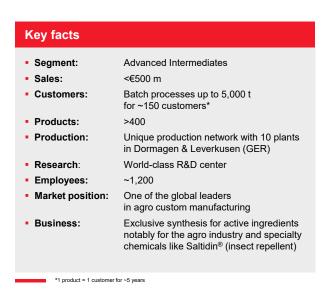


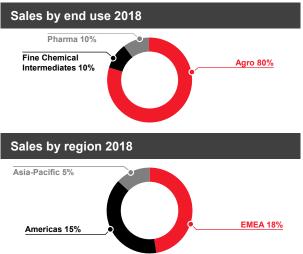


029 Advanced Industrial Intermediates

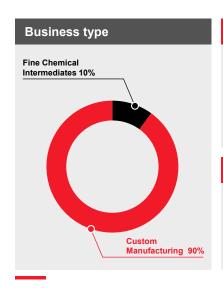
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Saltigo – A leading custom manufacturing organization for the agro and fine chemicals market





Saltigo – Top brand in the industry, unique capabilities open new opportunities



Custom Manufacturing

- Exclusive synthesis: 1 product = 1 customer
- High-value products
- Technology leadership in complex multi-step syntheses at almost any scale (1t/a up to 5,000t/a)
- World-class R&D center in Leverkusen to develop most efficient chemical processes

Fine Chemical Intermediates

 Special building blocks & products serving a variety of chemical industries, customers and applications

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Saltigo has a unique, fully integrated production network in Germany



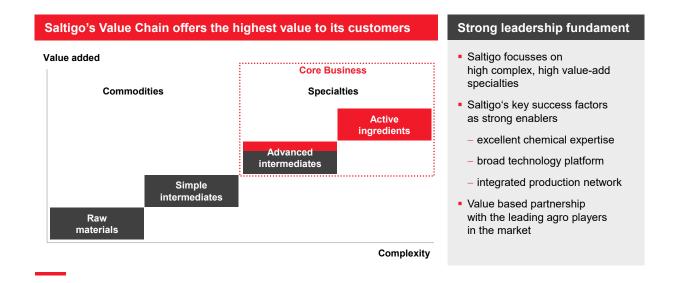
Broad range of applications, focussing on fungicides



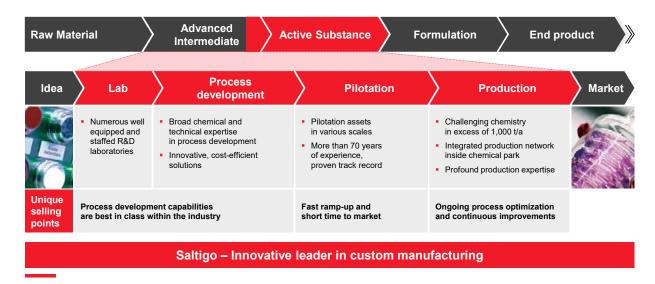
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Saltigo is the partner of choice for high complex specialties



Saltigo with thorough service offerings, covering crucial parts of the product value chain



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Saltigo's broad technology base and its integrated production platform are key assets



Clear focus on specialties and global industry trends foster sustainable growth

Saltigo is well positioned in a sound market

- Sustainably growing demand for high specialty agro chemicals
- Increasing focus on environmental sustainability in China putting pressure on Saltigo's competitors landscape
- Competitive position is strengthening through capacity growth
- Saltigo's sound crop protection portfolio, with high focus on fungicides offering highest returns

Market environment: Sustainable industry trends

- Population growth and increasing meat consumption as main drivers for higher crop demand
- Urbanization Mega cities are reducing arable land, thus requiring more efficient agrochemicals
- Globalization of travel contributes to spreading of insects
- Outsourcing is a vital trend in the life-science industry, also fueled by mergers of major agro companies

Main competitors

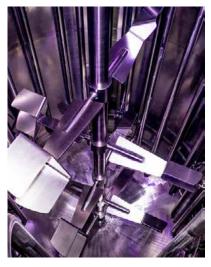
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CABB

029 Advanced Industrial Intermediates

Saltigo – Market leader with strong business set-up and sustainably growing end markets

European leadership	#1 custom-manufacturer for agro specialties in Europe and a leading player globally
Specialized portfolio	Leading chemical and technical expertise for sophisticated ingredient manufacturing
Flexible technology	Unique fully integrated production network
Sustainable growth	Focus on chemical specialties in the agro and niche industries
Setting standards	Highest reliability and quality, safety and environmental standards in the synthesis of active ingredients



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Specialty Additives: World class player in several highly attractive additives niches



 Polymer Additives offers a broad portfolio of brominated as well as phosphorus flame retardants, plasticizers and other products



 Leading lubricants additives player with strong industrial focus and highly specialized and balanced portfolio to serve growing end markets

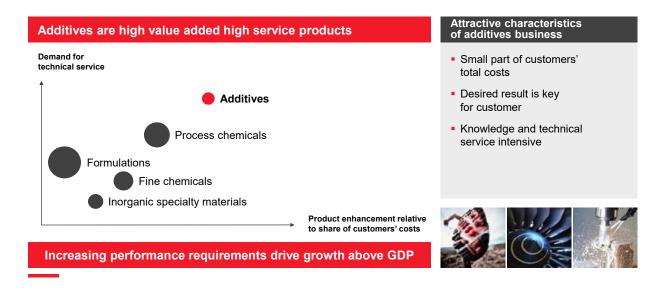


 Solution provider for additives in rubber, plastics, construction and colorants applications

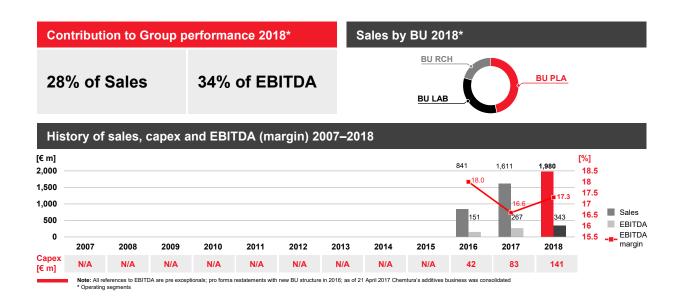
040 Lubricant Additives 045 Polymer Additives

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Additives are one of the most attractive market segments in the chemical space



Specialty Additives offers a higher than average profitability



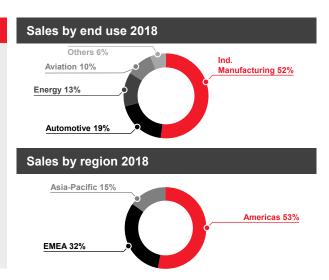
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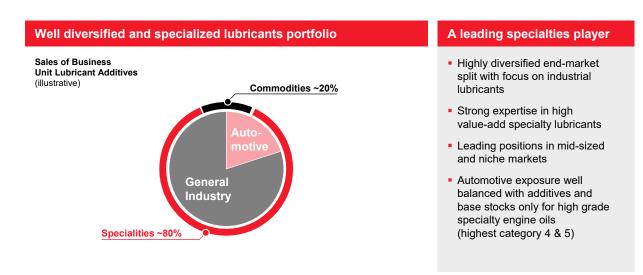
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Lubricant Additives is a major global player in the attractive field of lubricants

Overview Segment: Specialty Additives €500–€1,000 m Sales: Customers: ~800 in more than 120 countries Products: ~660 Production: 12 sites Research: 5 technical competence centers in North America, Europe and Asia Employees: Market position: Among top 3 lubricant additives companies Business: Leading lubricants additives player with strong industrial focus and highly specialized and balanced portfolio to serve growing end markets



Lubricant Additives with strong focus on high value-add industrial lubricant solutions



040 Lubricant Additives**045** Polymer Additives

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Lubricant Additives Business – Cutting edge integrated portfolio for lubricants



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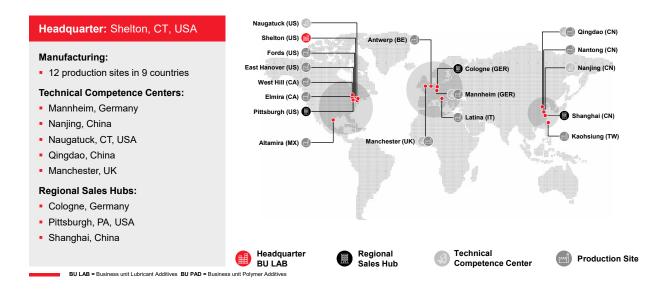
Lubricant Additives – Extensive sector coverage Key industries served



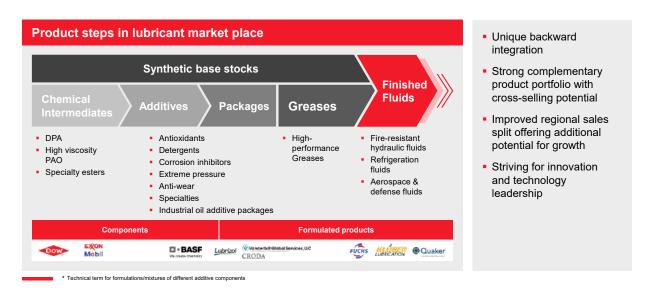
040 Lubricant Additives**045** Polymer Additives

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Lubricant Additives – A truly global player with close customer proximity



Lubricant Additives – Unique integrated value chain from basestocks to lubricant additives, packages and finished fluids



040 Lubricant Additives

045 Polymer Additives

050 Rhein Chemie

High-quality Additives and Lubricants designed for environmental awareness and regulation

Wind turbines

- Synton® high-viscosity polyalphaolefins (PAO) are used in gear oils for wind turbines, and in industrial and automotive applications
 -) Green energy
 -) Longer product life
 - Reduced maintenance costs

Emissions and fuel economy

- Additin® new organic metal-free friction modifier additive delivers significant friction reduction to improve engine fuel economy and reduce
- Hatcol[®] high performance synthetic esters help to reduce viscosity and internal friction in the engine resulting in higher fuel efficiency

Transportation

- Naugalube® antioxidants enable longer lasting engine oil performance, maintaining engine life and efficiency
- Royco® aviation lubricants are produced to the highest standards and specification to ensure optimum in flight performance, safety and

Industrial solutions

- Additin® sulfur-based extreme pressure additives for metal working fluids help to replace chlorinated paraffins
- Reolube® Turbofluid 46B low toxicity, fire resistant hydraulic fluids for power plants designed to provide a safer alternative and comply with REACH regulations

Detergents

- Lobase® and Hybase® detergents provide excellent detergency, low reactivity, corrosion protection and EP performance
 -) Enables lubricants to protect marine engines operating on varying quality fuels
 - Magnesium sulfonate detergents help to reduce 'Low Speed Pre-Ignition' in passenger car engines
- Everest® refrigeration lubricants designed to optimize performance, energy efficiency and service life of today's low global warming potential (GWP) air conditioning systems

Greener cooling solutions

Hatcol® esters are a key base stock of refrigerant lubricants for these AC systems

Lubricant Additives growth is driven by energy efficiency and tighter regulations in higher growth segments

Market drivers Basestock Demand* Additive Demand* Fin. Fluid Demand* (CAGR 2017-2022) (CAGR 2017-2022) (CAGR 2017-2022) Total +1.1% Total +0.8% Total +0.7% 2017 2017 2017 New auto and industrial OEM specifications require energy efficient, long lasting performance (synthetics, antioxidants) • Environmental regulations lead to safer alternatives; e.g. ban of

- chlorinated paraffins in MWFs raise demand for Extreme Pressure
- Aviation and refrigeration finished fluids show strong growth correlating with increasing urbanization and standards of living

Market environment Shift to synthetics Synthetics Share of Global Lubricants* Percentage of lubricants based on synthetic 20% basestocks (e.g. PAOs, 15% esters) has increased 10% from 10% in 2009 5% to 21% in 2018* 2009 2018 Main competitors CRODA (basestocks) Lubrizol, Afton, King Industries (additives) Lubrizol, Afton (packages) CPI, Chemtool (finished fluids)

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Leading technology player with unique integrated value chain and focus on specialties

Unique value chain Unique fully integrated value chain with backward integration into basestocks

Leading Technology Technology, Innovation and Safety Expertise in critical industries bring solution to meet complex technical challenges

Focus on specialties

Highly-specialised additives that benefit from regulatory trend towards high performance additives solutions

Attractive Growth

Clear trends towards higher regulation and better product performance drives growth for specialties







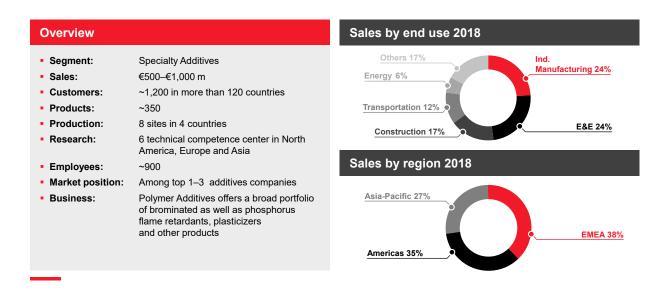




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Polymer Additives is a major global player in end markets



Four business lines with a strong complementary portfolio and a strategic focus on specialties

Brominated Flame retardants	Bromine Performance Products	Plastics Additives	Specialties and Intermediates			
Brominated flame retardants	BromineFine Chemicals and intermediatesClear Brine Fluids	Phosphorus flame retardantsPlasticizersHydrolysis protectionOther plastic additives	Phosphorus chemicalsWater treatment productsOther intermediates and specialties			
Firemaster®, Emerald Innovation®	Geobrom [®] , Meth-O-Gas [®]	Mesamoll®, Adimoll®, Ultramoll®, Mersolat®, Disflamoll®, Levagard®, Stabaxol®, Reofos®	Bayhibit [®] , Baypure [®] , Baysolvex ^{®,} Mersolat [®]			
End markets	End markets	End markets	End markets			
 Electronics Insulations for the building industry Textiles	Chemical and pharmaceuticalsOil and Gas	ConstructionAutomotiveGeneral plastics	Agro chemicals Water treatment			

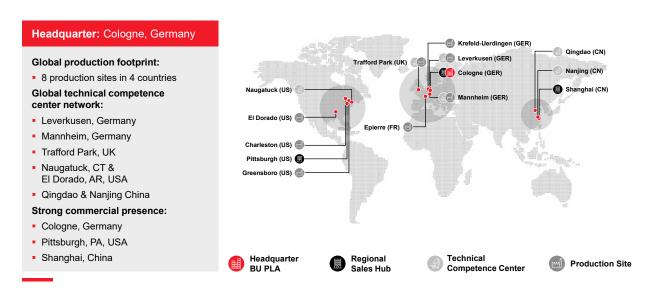
LANXESS - ENERGIZING CHEMISTRY **BUSINESS SEGMENTS** FINANCIALS

Advanced Intermediates | Specialty Additives | Performance Chemicals | Engineering Materials

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Polymer Additives -A truly global player with close customer proximity



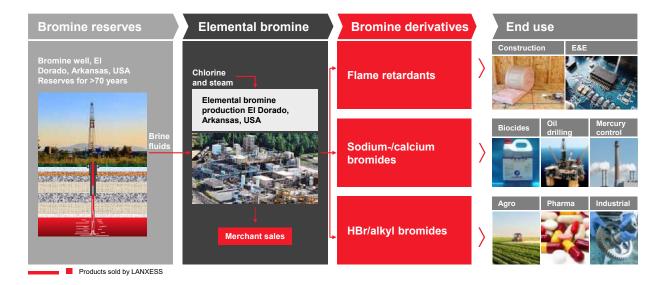
Polymer additives provides indispensable solutions for modern life

Flame retardants Safe for toys and food contact Giving plastics longer life Plasticizer solutions that are Fire safety requirements: Products made from plastics and 1) Prevent fire 2) Generate as safe in human contact or food polyurethane wear extremely fast little smoke as possible and on contact with water or acids delay the fire from spreading > LANXESS products offer highly-efficient fire > We offer plasticizing solutions for a broad > LANXESS' stabilizers extend the lifespan protection paired with other advantages like easy processability or high elasticity of products by up to three fold. Only this prolonged service life allows the use of range of specialty applications, e.g.: Toys these materials in critical applications Products in contact with aqueous based foodstuffs Human contact, e.g. gloves, swimming floats, film for water beds Sealants and casting compounds for the construction sector Disflamoll[®], Reofos[®], Levagard[®], Firemaster[®], Emerald Innovation[®] Mesamoll® II is suitable for a large Stabaxol® works effectively against number of demanding applications hydrolysis in a wide range of polymers

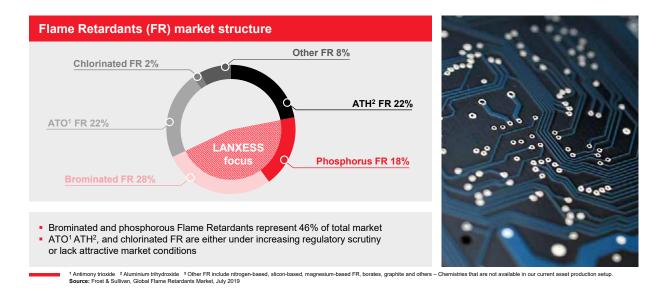
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Bromine derivatives – Extracting value from bromine by pursuing the whole value chain



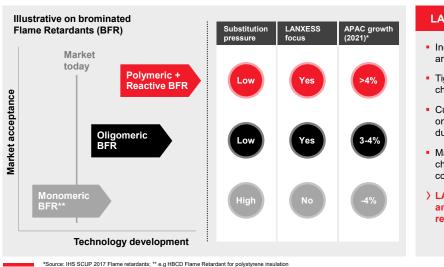
Polymer Additives offers a broad and specialized portfolio of complementary phosphorous and brominated flame retardants



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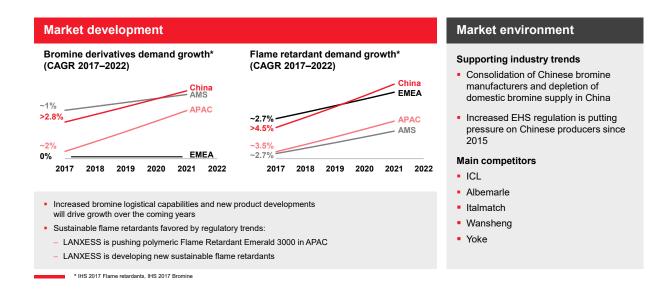
Polymer Additives well prepared for upcoming regulatory changes in APAC: Strategic focus on developing sustainable FRs



LANXESS: Ideal portfolio set-up

- Increased sensitivity regarding toxicity and persistence (bioavailability)
- Tightening regulations impacting choice of FR technology
- Current regulations focusing on small-molecule compounds due to higher leaching risks
- Market gradually moving to longer chain and polymeric and reactive compounds
- LANXESS focusses on polymeric and reactive Flame Retardants to reduce toxicity and leaching risk

Polymer Additives growth is driven by enforcement of regulations and market growth in APAC



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A leading player and innovation driver for phosphorus and bromine based chemistry

Focus on specialities High-performance additives for a broad range of industries and applications

Innovation leadership

Technology, regulatory and safety expertise at its best

Attractive growth

Highly-specialized additives that benefit from regulatory trend towards sustainable "green" chemistry

Strong value chains

Attractive business set-up based on backward integration and long-term supply contracts

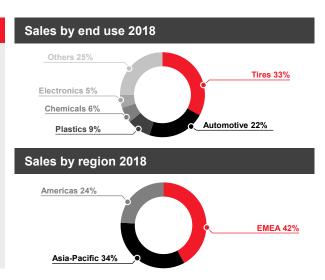


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Rhein Chemie: Highest quality for additives and solutions to a variety of industries

Key facts Specialty Additives Segment: <€500 m Sales: Customers: ~3,000 in more than 120 countries Products: >2,000 Production: 10 sites Research: World-class R&D center in Germany; 7 application development centers globally ~1,000 Employees: Market position: Leading market position in main businesses Business: Solution provider for additives in rubber, plastics, construction and colorants applications



Focus on technical solutions for attractive end markets with well-known branded products

Rubber Additives Business

- Polymer-bound additives (Rhenogran®)
- High-performance bladders (Rhenoshape®)
- Release agents (Rhenodiv[®])
- Tread marking paints (Rhenomark®)
- Processing promoters (Aktiplast®, Aflux®)
- Functional additives (Rhenofit[®], Cohedur[®])
- Zinc oxide (Bayoxide[®], Zinkoxid aktiv[®])

Colorant Additives Business

- Solvent dyes for the coloration of plastics (Macrolex[®])
- Organic pigments for LCD color filter (Levascreen®)
- Pigments for automotive coating (Bayfast®) and plastics (Bayplast®)
- Organic- (Levanyl[®]) and inorganic- (Levanox[®]) pigment preparations
- High quality colorants for inks (Bayscript®)











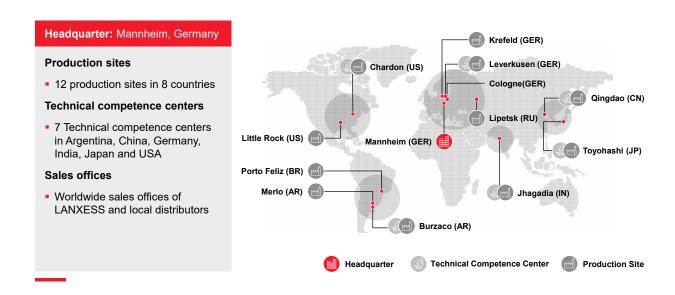




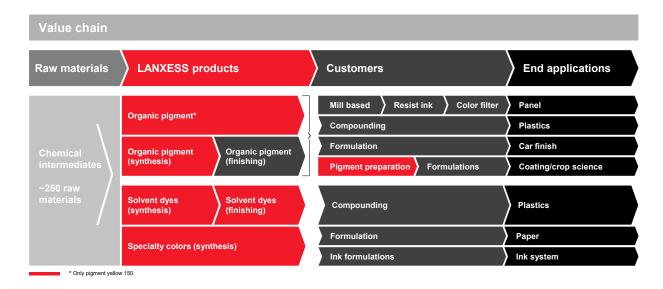
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Worldwide competence & customer proximity



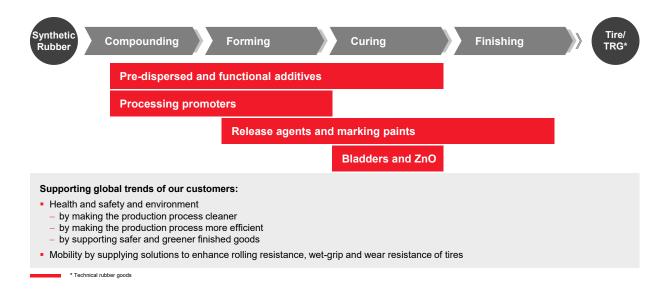
Colorant Additives Business provides solutions to a broad variety of applications and industries



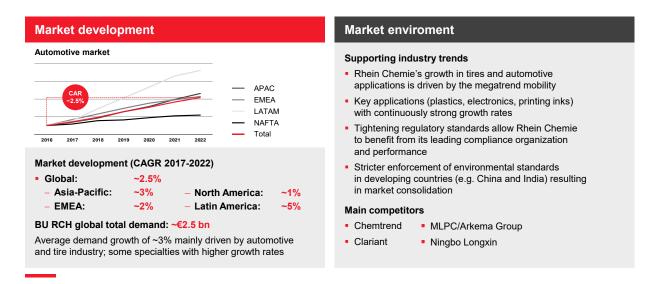
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Broad portfolio of rubber additives from pre-dispersed and functional additives to process aids and auxiliaries



Rhein Chemie has a leading market position in its main business segments



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Rhein Chemie stands for highest quality in additives and solutions to a variety of industries

World's leading provider of specialty additives for niche applications under the well-known Rhein Chemie brand Leading in niches **Tailored** Leading competence in developing tailored solutions for customer products & processes solutions Innovation High quality dyes combined with innovative manufacturing technology as competitive advantage driver Leading Quality as key principle in all our operations quality Global High customer proximity with presence in all key markets production



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Performance Chemicals: Production of applicationfocused chemicals for a wide range of industries



 A leading global supplier of inorganic pigments for the coloring of construction materials, coatings, plastics and for technical applications



 Supplier with a complete range of products for leather processing (tanning agents, preservatives, finishing auxiliaries, dye products)



 Wide range of microbial control products for construction and paints, beverages, industrial use and wood protection



 One of the leading global producers of ion ex-change resins, adsorbers, functional polymers and reverse osmosis membranes for the treatment and purification of water and other liquids LANXESS - ENERGIZING CHEMISTRY BUSINESS SEGMENTS FINANCIALS

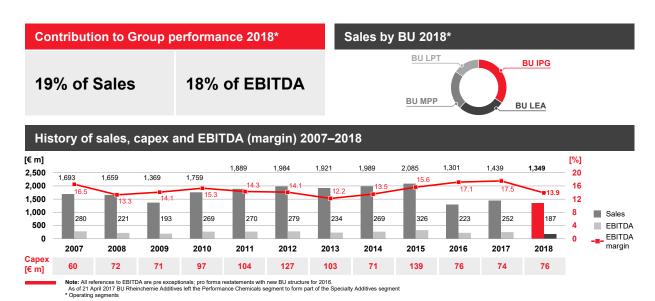
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Performance Chemicals: Specialty chemicals for niche markets

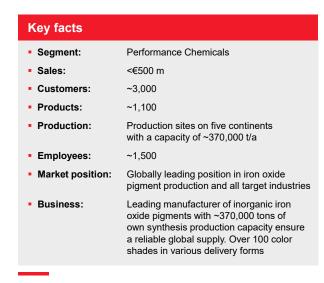


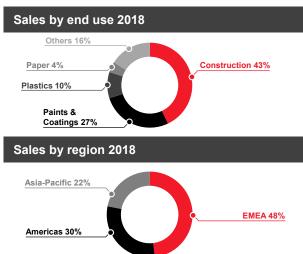
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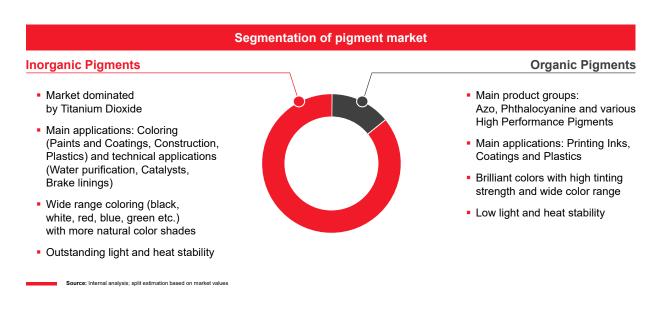
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Inorganic Pigments – Iron oxide market leader serving diverse applications in a global market





Pigment market can be divided in Organic and Inorganic Pigments

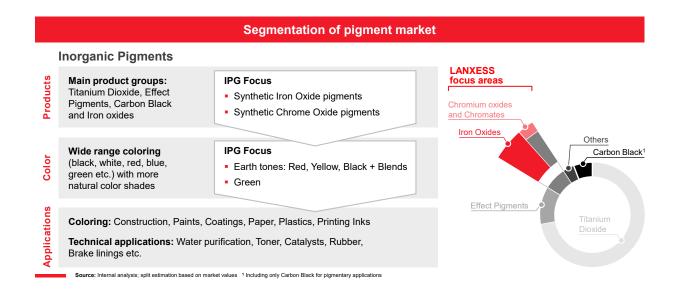


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IPG focusing on Synthetic Iron Oxide and Chromium Oxide Pigments and supplying high quality color and technical applications



Inorganic pigments are used in coloring and various technical applications



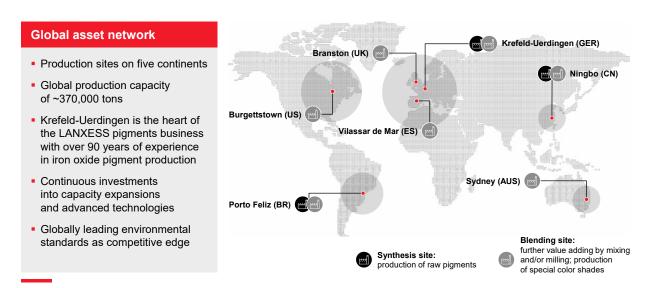
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Inorganic Pigments – A truly global player with synthesis plants and blending sites around the world



Inorganic Pigments covers the full value chain of iron oxide pigments production

Synthesis		Sieving & washing		Drying /calcination		Blending /milling		Packaging	
Laux process*									
Precipitation process		Thickening and washing		Drying and/or calcination	>	Color adjustment and milling	>	Packaging	
Penniman process	/								
Ningbo process*									
\sim		\sim		\sim		\sim		\sim	
Integrated synthesis and blending sites									
						Blending only site	S		

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Global synthesis production network ensures supply security

Germany, Krefeld-Uerdingen

- World's largest production site for iron oxide pigments
- Capacity increase for micronized red pigments by approx. 5,000 t/a in 2018 through targeted debottlenecking
- Capacity increase for black pigments by 13,000 t/a completed; further colors in progress
- Leverage economies of scale with German production backbone



Brazil, Porto Feliz

- Ongoing investments in new technology and process optimization
- Additional capacity expansion of high-quality yellow iron oxide pigments by 2,000 t/a has been completed in 2019
- Continuous investments in sustainable production, e.g., Cogen-plant



China, Ningbo

- Most modern production plant for iron oxide red pigments in Asia
- Located in Ningbo Petrochemical Economic & Technology Development zone – which is a national level chemical park ranked as top 3 in China
- State-of-the-art and sustainable pigment production is ensured by the use of innovative waste water and off-gas treatment



Awarded National Green Plant status – LANXESS set a new benchmark for iron oxide production in China

The Ningbo Process® is the greenest way to produce red iron oxides in the whole of Asia

- LANXESS is the only iron oxide producer to have received the National Green Plant certificate from the Chinese government
- The Ningbo Process® technology measurably minimizes the products environmental footprint*
- ~100% waste gas removal and waste water treatment is ensured



Only 2% of conventional nitric oxides emissions per ton of pigment are released

Only 0.1% of conventional ammonium nitrate release

per ton of pigment in the waste water

Just a minimum of 0.1% laughing gas emissions compared to conventional red

iron oxide production in China**



* All figures are based on internal studies: LANXESS' Ningbo Process® technology is compared with the traditional Chinese Penniman Red production process which does not include additional waste water and waste gas treatment taughing gas emissions equivalent to the annual CO2 per-capita output of ~1,000,000 Chinese citizens could be saved if only the Ningbo Process® would be used for red iron oxide production in China

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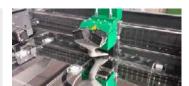
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Product innovation: Inorganic Pigments is technology leader in the field of iron oxides and chromium oxides



Different materials used for 3D Printing need universally applicable pigments with high performance in terms of heat stability and dispersibility. Iron oxides from LANXESS bring color to future technologies like 3D Printing.



Li-lon Batteries

Iron oxide used as raw material for the manufacture of LiFePO4 as cathode material for batteries in e-mobility applications.



Cool Roofing Bayferrox® 303 T provides higher solar reflectance than regular black pigments. Up to 20% more reflected infrared radiation leads to significantly lower roof tile's surface temperature.



Urbanization and increased sustainability awareness drive demand for Inorganic Pigments



Market environment Supporting industry trends

- Urbanization and increasing demand for pigments in emerging markets (e.g. India)
- Consolidation among Chinese iron oxide producers due to stricter enforcement of environmental laws
- General global trend towards quality products in all application fields

Main competitors

- Venator
- Ferro
- Selected Chinese players: Cathay, Deqing, Yixing

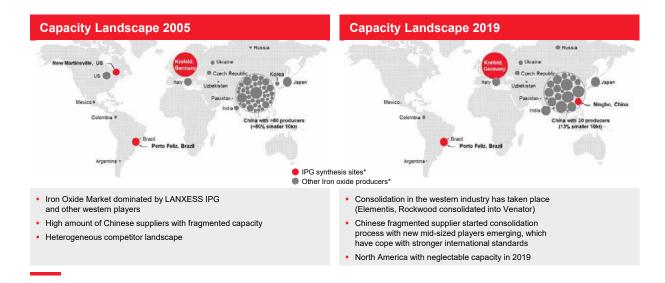
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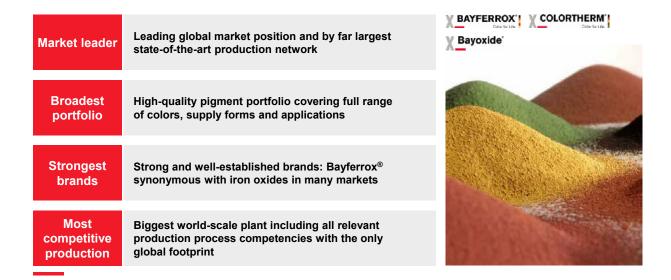
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Inorganic Pigments is the largest producer globally with leading environmental standards



Inorganic Pigments – Market leader shaping the iron oxide market



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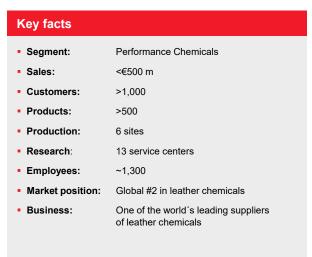
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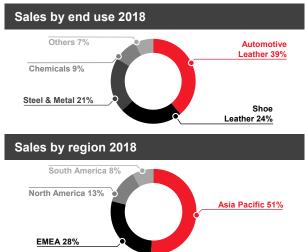
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Leather:

One of the world's leading organic leather chemical producers





Offering the complete product range for leather processing and chrome chemicals

Business Line Organic Leather Chemicals

- High-quality products and services for all stages of the leather production process, one-stop-shop supplier in the market
- Global technical on-site support
- Application development, technical service and innovations significantly contributing to value creation
- Additional business platform "Functional Coatings": high performance coating systems for various non-leather substrates



Business Line Chrome

- Leading producer of the key intermediate sodium dichromate (SDC), which is converted into chrome chemicals for leather and various non-leather applications
- Operational excellence along the chrome chemicals value chain & highest HSEQ standards
- Superior quality of SDC and downstream chrome chemicals CTS (chrome tanning salts) and CA (chromic acid)





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Leather offers the complete product range for leather processing and selected chrome products





Leather has a global production and service network close to major markets

Global set-up of BU LEA

- Global production network to serve worldwide demand
 - BL OLC production sites: Leverkusen (Germany), Changzhou (China), Filago (Italy)
 - BL CR production sites*: Rustenburg chrome ore mine (South Africa), Newcastle (South Africa), Merebank (South Africa)
- Strong presence in faster growing Asian and BRICS markets
- Global sales force team and strong distribution networks taking care of customers worldwide
- Well trained and experienced technical support
- Technical centers in all major markets

China Mexico @ Italy 📵 🗐 🗐 Brazil Singapore South Africa Technical Center/Service Lab

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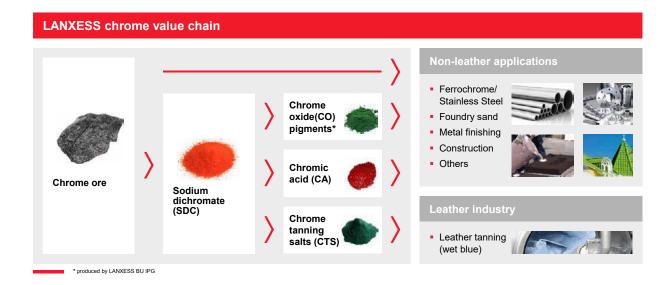
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Leather: Complete product range for leather processing and excellent technical service



Chrome: Integrated value chain in South Africa from chrome ore to chrome chemicals production



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A strong player with leading positions in both businesses: Organic leather chemicals and chrome products

Leather

Markets & trends

- Leather chemicals demand is driven by amount of processed hides - sustainable products & solutions gaining increasing importance
- Shoe is the largest application for leather, followed by upholstery (automotive and furniture)
- Supporting growth trends: mobility, urbanization
- Challenge: substitution by alternative materials

Competitive landscape

- Consolidation ongoing
- LEA is global #2
- Main competitors: Stahl, TFL. Smit & Zoon, Trumpler, Zschimmer & Schwarz





Innovations and sustainability focus positions LANXESS Leather as the preferred industry partner

Sustainability focus

LEA developed recycling concepts for the production of leather and chrome chemicals

- X-Biomer in-situ
 - concept for tanneries to turn shavings, which arise during leather manufacturing process, into re-tanning polymers
 - Project was funded by BMBF and LANXESS received the innovation price for climate & environment in February 2018
 - Per concept unit the CO2 savings are expected to be in the range of 600-700 mt
- Cromtec[®] GC
 - converting chrome ore residues into a sellable product with multiple application areas
- Vanadium concentrate
 - refining of by-products from SDC production in line with growing vanadium demand for various industries (e.g. energy storage)

LEA offers ecofriendly X-series products for tanners' sustainable success LEA emphasizes a holistic "Sustainable Leather Management" approach







LANXESS - ENERGIZING CHEMISTRY BUSINESS SEGMENTS FINANCIALS

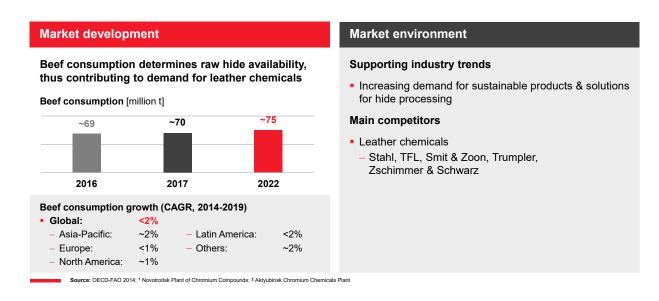
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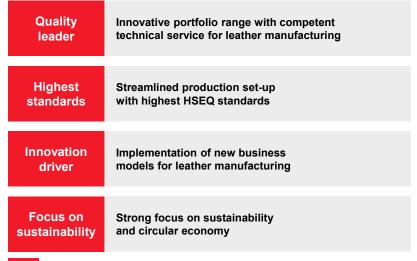
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Key leather markets growing in line with increasing industrialization



LANXESS' leather business with a leading position in organic leather chemicals



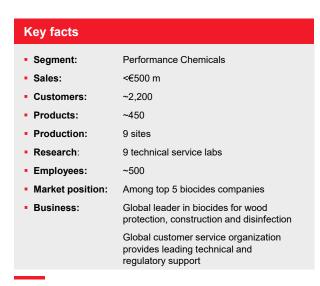


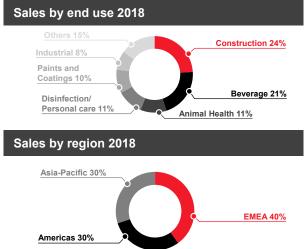
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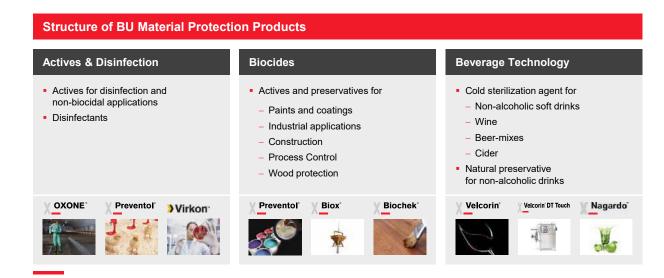
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Material Protection Products is a global leader in biocides for disinfection and consumer protection





The business unit is divided into three business lines to optimally serve the market needs

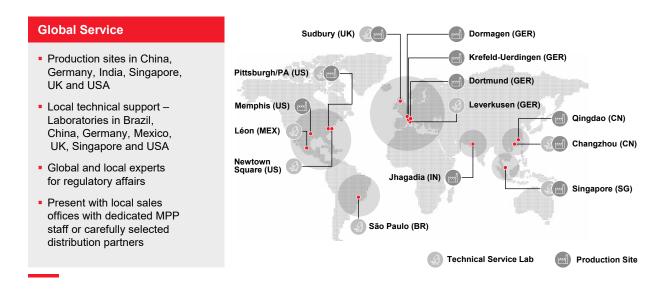


056 Inorganic Pigments **062** Leather

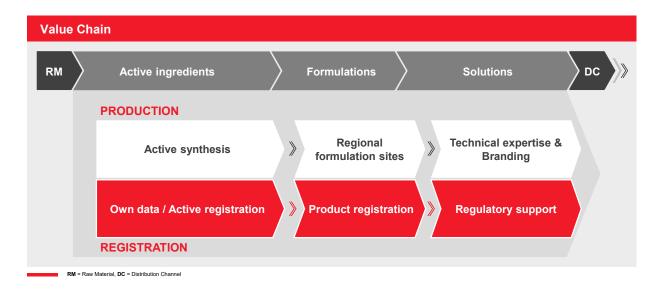
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Material Protection Products – Strong international setup to serve global demand for microbial control products



The value chain comprises both production and registration, which constitutes MPP's core strength

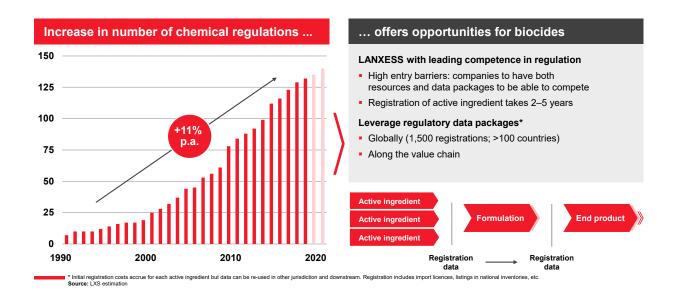


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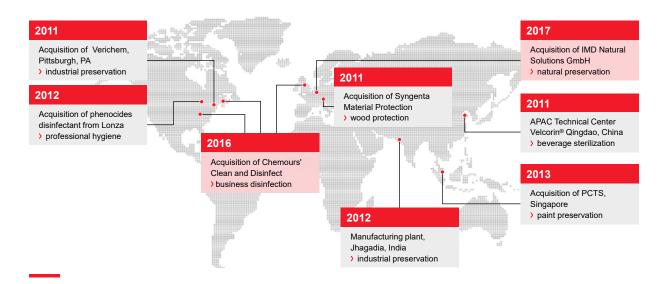
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Trend towards tighter chemical regulation as key driver for LANXESS' biocides business



Continued focus on growth at Material Protection Products: A combination of organic and external growth



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Entered the market of natural preservatives with the acquisition of IMD Natural Solutions

IMD Natural Solutions

- Acquisition in 2017
- Delivering innovative, nature derived ingredients to protect mainly beverages, food and cosmetics
- 9 employees with laboratory in Dortmund



Natural Preservative

- Natural glycolipids derived from edible fungi
- Production by fermentation & extraction (biotechnology)
- Unique profile for application in beverages









- Sole new powerful natural preservative launching since many years
- Expansion of portfolio as full solution provider to beverage industry
- Market entry US ongoing, global rollout to follow with local approvals



Identifying innovations that fit to our business -A natural preservative derived by an edible fungus

Acquisition of IMD Natural Solutions done in 2017

- 9 FTE with a lab in Dortmund, Germany
- Purchase price: €30 m, additional investments to follow

Rationale

- Strong trend to replace chemicals with natural preservatives
- LANXESS has a global sales force and regulatory expertise
- Currently no comparable natural product on the market

- Key market: USA; FDA approval received in 2018, further market approvals in preparation
- First substantial sales in 2020
- Full potential to be reached 2025–2030



Accessible initial market (USA):

~€200-250 m

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Material Protection Products: Benefiting from increasing demand and positive industry trends

Market development

Total global demand 2019e:

- Industrial Biocides ~€7.0 bn
- Animal Disinfection ~€2.9 bn

Demand growth (CAGR 2019-2025)

- Industrial Biocides ~3–5%
- Animal Disinfection ~6–8%

Market environment

Supporting industry trends

- Increasing meat consumption and minimized antibiotics usage drive demand for veterinary hygiene and disinfection
- Urbanization in emerging countries drives growth in construction sector
- Trend towards healthier and functional beverages fosters growth of Velcorin[®]

Main competitors

- Dupont
- Neogen
- Lonza
- ThorBASF

Elanco

Material Protection products with compelling business model combining innovative products and regulatory know-how

Competence leader Broadest regulatory expertise with global access to registration data within a highly regulated business environment

Focus on specialties State-of-the-art equipped microbiological, application and research laboratories

Application know-how

Local technical support offering customized and flexible solutions

Innovation driver

Driving adjacent growth opportunities with innovative solutions for various end markets





QUALITY WORKS.

056 Inorganic Pigments

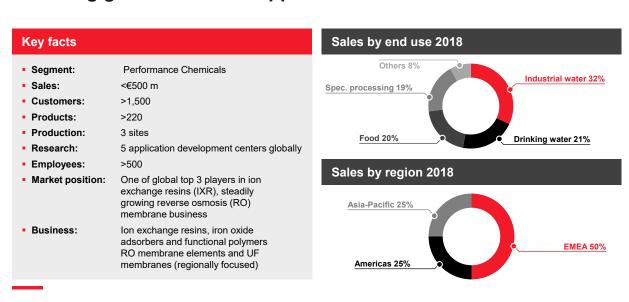
062 Leather

067 Material Protection Products

072 Liquid Purification Technologies

Liquid Purification Technologies –

A leading global solution supplier for water treatment



Comprehensive product portfolio provides advanced solutions for treatment of water

Products and b	orands
X Lewatit'	 Ion exchange resins, adsorbers and functional polymers
X Lewabrane'	 Reverse osmosis membrane elements
X Bayoxide'	 Granular iron oxide adsorbers for water treatment
LewaPlus [°]	 Engineering design platform for both ion exchange and reverse osmosis equipment dimensioning



056 Inorganic Pigments 062 Leather

067 Material Protection Products

Tailor-made solutions for over 500 applications in key industries

Water treatment



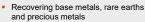
- Cartridges for water softening Drinking and groundwater remediation, removal of contaminants Removal of heavy metals and organic
- contaminants from water and gas to allow reuse/recycling
- Desalination of brackish water and seawater to produce drinking water

Food and beverages



- Sugar and sweeteners: Decolorization, demineralization, final cleaning, inversion, chromatography
- Industrial food processing

Mining



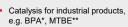
- Processing metal concentrates: E.g. purification of electrolytes
- Acid processing
- Treatment of mining wastewater: E.g. removing heavy metal traces

Power generation



- Fossil fuel and nuclear power plants:
- Demineralization of boiler feed water
- Condensate polishing
- Water treatment in cooling ponds
- Wastewater treatment

Chemistry and petrochemistry



- · Chloralkali electrolysis (brine processing)
- Process stream treatment & recycling
- Purifying organic chemicals e.g.
- CO2/COS capture

Electronics & microelectronics



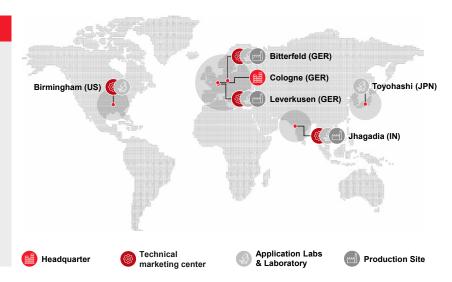
- Treating ultrapure water to manufacture:
 - Semiconductors
 - LCD screens
 - Solar cells
 - LED components

*Bisphenol AM; ** Methyl-tert-butylether

Strong global presence for liquid purification products and solutions

A reliable partner for our customers - Worldwide

- Global presence via production network, research and application labs, technical marketing centers, warehouses and sales force
- Three state-of-the-art production sites in Germany and India
- Five application development centers
- Global sales with approx. 60 direct marketing experts and strong distribution networks



073 LANXESS Fact Book 2019

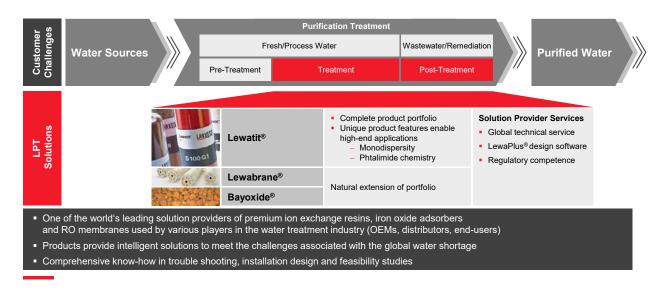
056 Inorganic Pigments

062 Leather

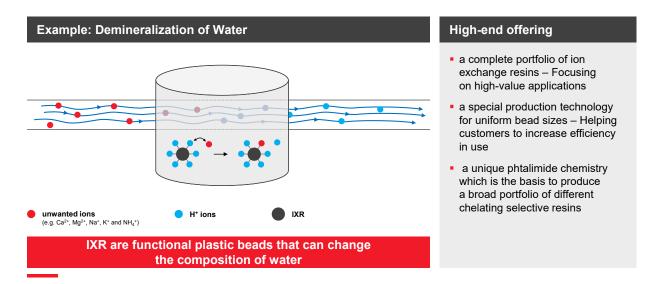
067 Material Protection Products

· ·

Well positioned as premium solution provider for water treatment, liquid purification & recycling



Lewatit: Unique process knowledge allows top performance in high-end applications



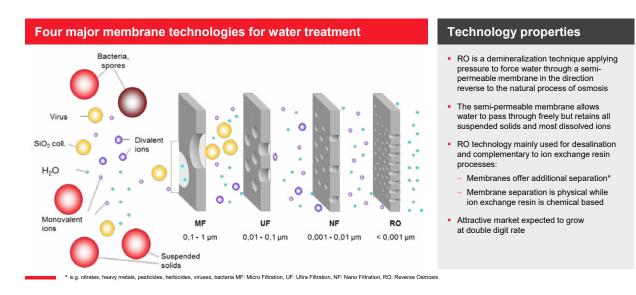
056 Inorganic Pigments

062 Leather

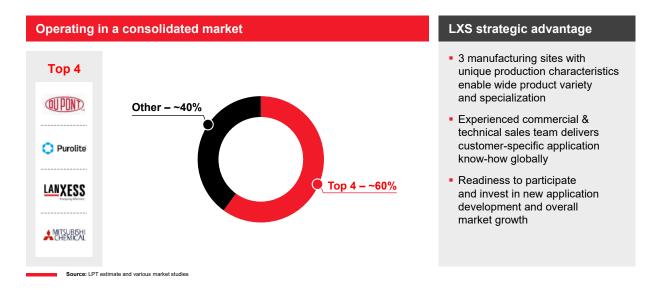
067 Material Protection Products

072 Liquid Purification Technologies

Reverse osmosis membrane technology for high quality water treatment complements the portfolio



Around 60% of the global lon exchange resins segment share covered by TOP 4, but still significant room for specialization

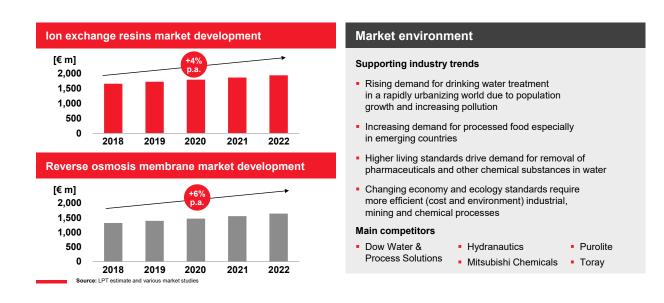


056 Inorganic Pigments

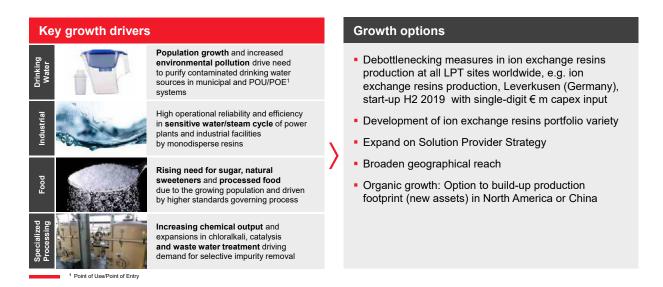
062 Leather

067 Material Protection Products

Benefiting from favourable global trends



Diverse growth opportunities for Liquid Purification Technologies



LANXESS - ENERGIZING CHEMISTRY **BUSINESS SEGMENTS** FINANCIALS

Advanced Intermediates | Specialty Additives | Performance Chemicals | Engineering Materials

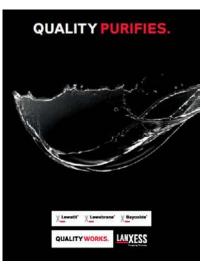
056 Inorganic Pigments

062 Leather

067 Material Protection Products 072 Liquid Purification Technologies

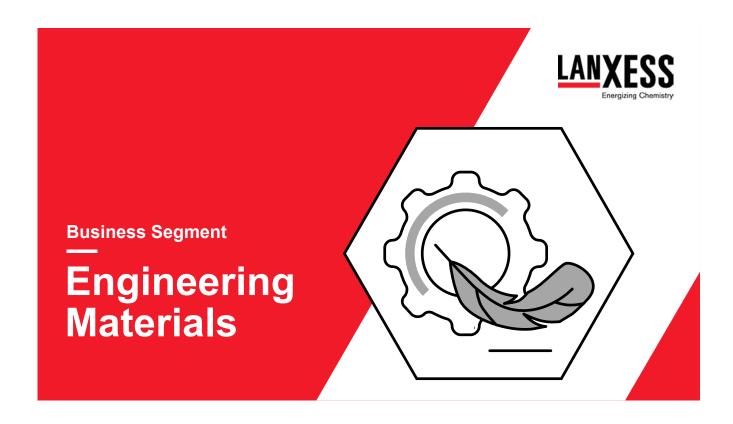
Water becoming the new gold - Leading solutions for the most efficient use of scarce water resources





080 High Performance Materials

087 Urethane Systems



Engineering Materials: Innovative plastic solutions for challenging industrial and automotive applications

High Performance Materials

 One of the leading providers of a wide range of engineering plastic compounds for the automotive, electrical and electronic and other industries, benefiting from the trend of replacing metal in structural automotive parts

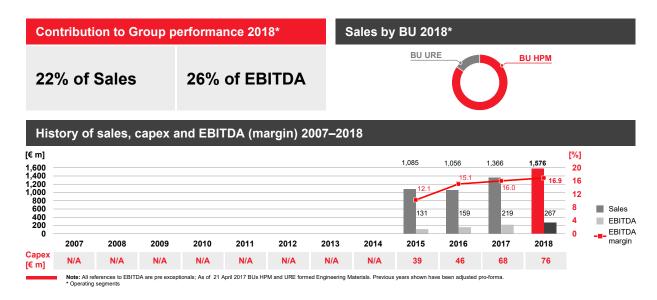


 Leading market and technology position for cast elastomer systems. Products are highly customer specific offering abrasion resistance with various degrees of hardness

080 High Performance Materials

087 Urethane Systems

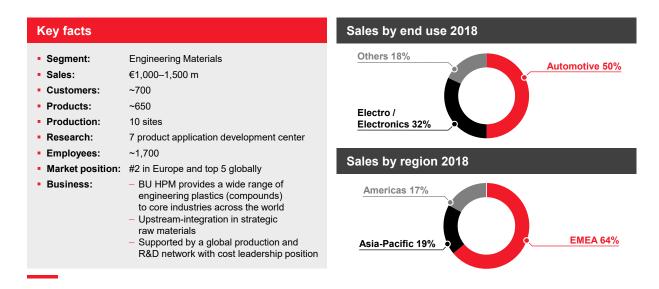
Engineering Materials: Extended value chain yields significant earnings improvement



087 Urethane Systems

High Performance Materials -

A leading supplier of engineering plastics solutions



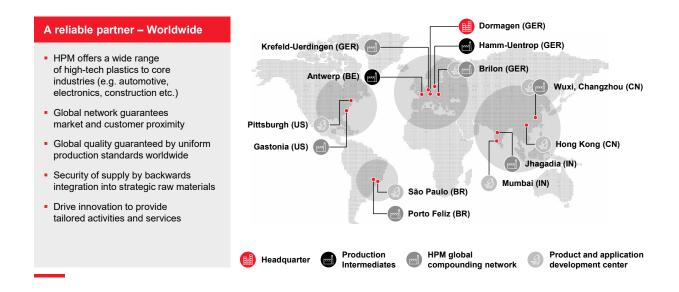
Customized solutions to enable light weighting and miniaturization to comply with tighter emission regulations



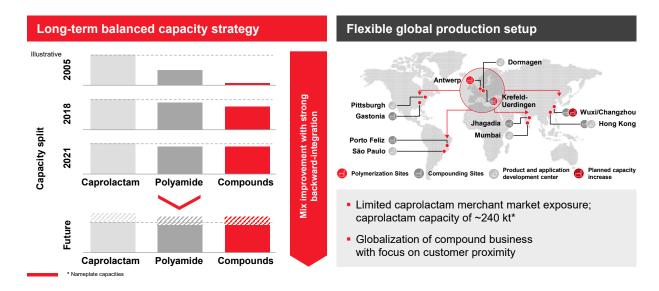
080 High Performance Materials

087 Urethane Systems

Strong setup to serve a global customer base



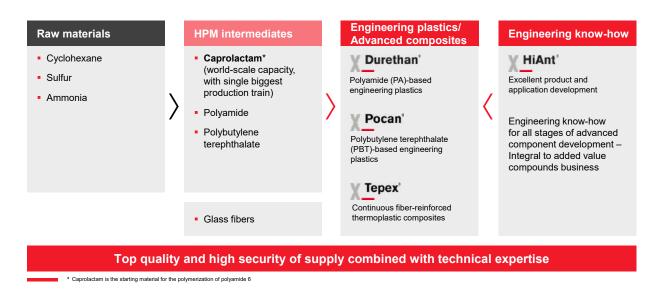
Focus on innovative engineering compounds with an integrated and balanced value chain



080 High Performance Materials

087 Urethane Systems

Our customers benefit from an efficient value chain combined with high-end engineering



Electric vehicles offer additional potential for High Performance Materials products

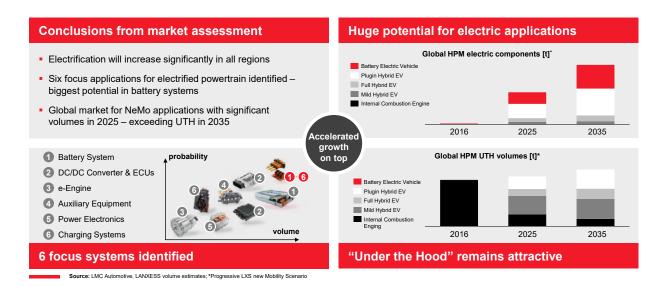


087 Urethane Systems

Strong growth of engineering plastics per vehicle due to increasing electrification of powertrains

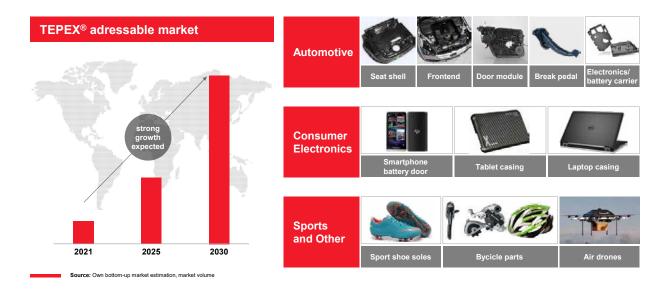


"Under the Hood" market will remain robust whereas electric components will catch up by 2025



087 Urethane Systems

High Performance Materials expects a strong growing market for its new thermoplastic composites material TEPEX® in the upcoming years



High Performance Materials is already focusing on circularity alongside the entire value-chain

PIR* from base resin production

- High quality PA6 from internal production waste. However, due to high yields the amount of internal waste rather limited.
- Application in Durethan Q-Grades with 35% recycled PA for selected customers.



- 100% recycling of internal post-industrial glass waste
- Milling of glass waste and (re-)usage in
 - Durethan FR compounds
- Glass fiber production



- Pocan ECO grades with minimum share of recycled PET from bottle scrap (25–30%)
- Standard EP compounds consist of up to 5% recycled production waste



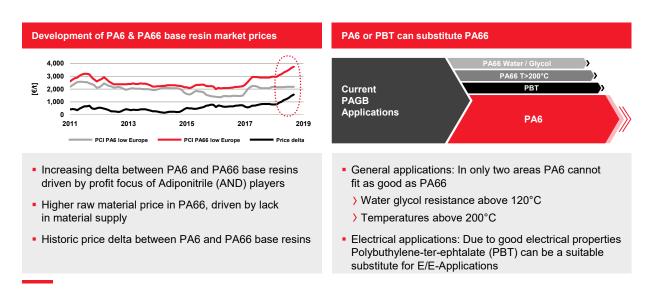




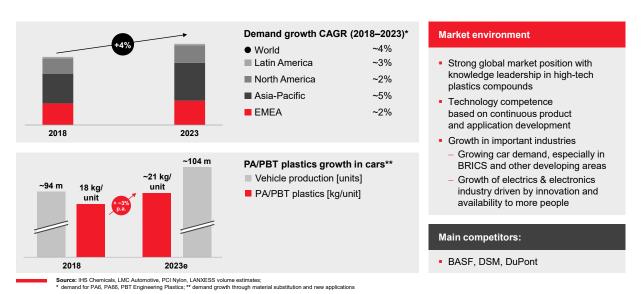
* PIR = post-industrial recycle

087 Urethane Systems

Switch potential due to higher price, lower supply security of PA66 and technical switch feasibility



Sustainable long-term growth driven by ongoing electrification and industry trends in car manufacturing



080 High Performance Materials

087 Urethane Systems

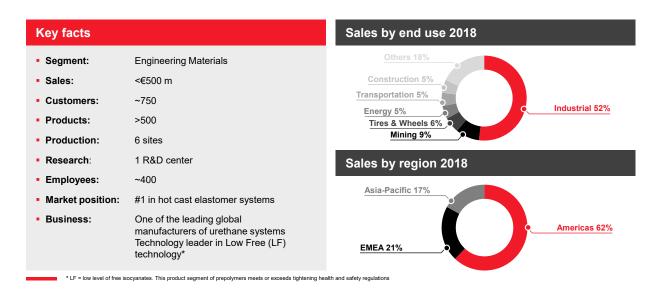
High Performance Materials as leading provider of smart solutions for a sustainable future of mobility

High competence	High-performance materials and high-end engineering know-how at its best
Innovation focus	Expertise in different industries and close customer cooperations translate into new applications
Best in value	Cost and performance optimized solutions ready for series production
Smart Solutions	Lightweight solutions to enable mobility trends – Innovative, flexible, fast
Cost com- petitiveness	Through fully integrated value chain, strong cost competitiveness is ensured

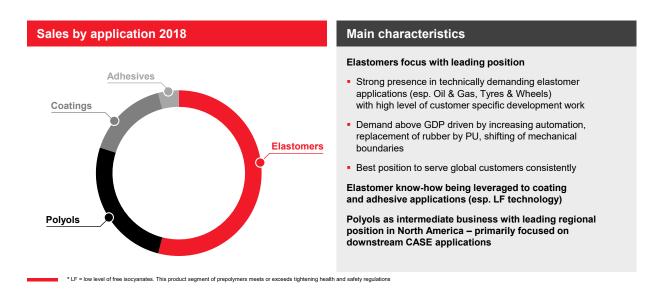


080 High Performance Materials

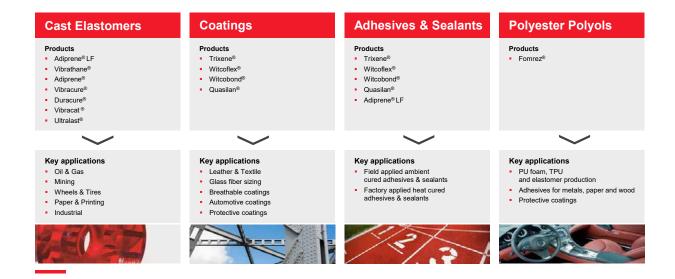
Urethane Systems is a leading niche player in specialized and innovative urethane based products



Urethane Systems – Stronghold in elastomers as highly specialized, customer-centric business



High-quality solutions are provided for four main product areas

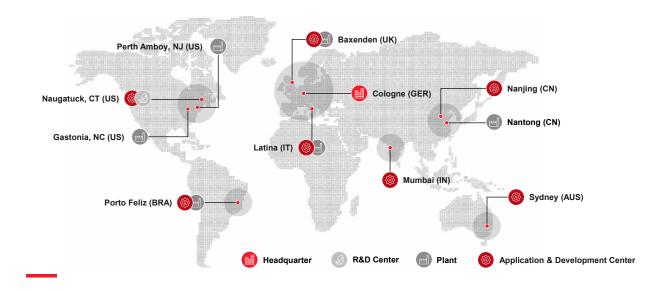


Urethane Systems offers materials for a very diverse set of applications

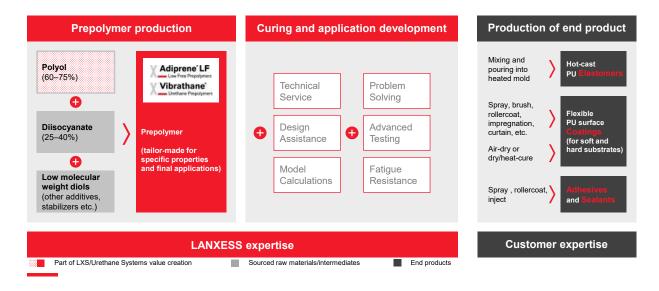


080 High Performance Materials

Urethane Systems – Local coverage for a global customer base



A world leader in specialized systems for urethane elastomers, coatings, adhesives and sealants



080 High Performance Materials

Our innovation priorities follow needs for better sustainability & processing and increasing performance

Improved sustainability

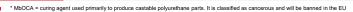
- Improve Low Free (LF) technologies
- Develop new curing systems (e.g. MbOCA* Replacement)
- Strengthen offering of waterborne, solvent-free products (Witcobond® PUD, Trixene Aqua® blocked crosslinkers)

Easier processing

- Develop low viscosity systems for use in cold cast, encapsulation, adhesives, binders, and other applications
- Enable processing advantages to cast polyurethane processors (e.g. Ribbon Flow®)

Increasing material requirements

- Develop and tailor high-performing cast systems to extend the usable life of urethane components and to replace
- Develop thermoplastic polyurethanes for extreme applications (Ultralast® TPU)





Urethane Systems enables performance through innovative product developments

Urethane Systems' sustainable chemistry

- General trend to lower free isocyanate content in urethanes and use of modern curing systems
- LANXESS is the only manufacturer of Low Free (LF) products across all chemistries (TDI, MDI, PPDI, HDI, and IPDI)
- Adiprene LF is a unique technology that complies with the new regulations and labeling requirements

Adiprene LF MDI is a premium MbOCA-Replacement technology*



Improved processing

Adiprene is a premium option for MbOCA-free systems

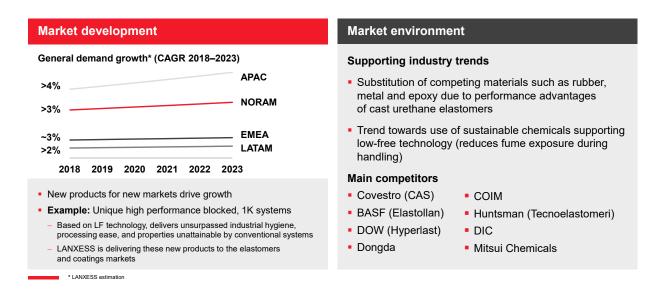
End product performance is enhanced by LF technology, especially for high-performance wheels, subsea oil and gas, and rollers for paper and steel manufacture

Adiprene LF has a processing advantage versus other MbOCAfree alternatives because it can be used on existing machinery

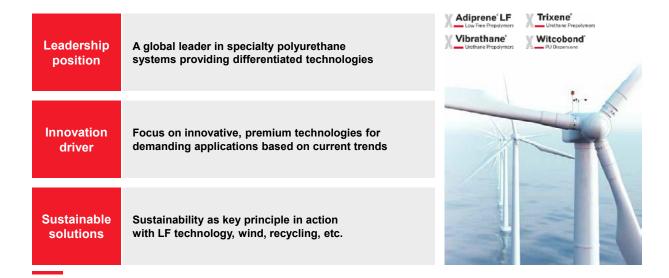
* MbOCA = curing agent used primarily to produce castable polyurethane parts. It is classified as cancerous and will be banned in the EU



Urethane Systems grows on the back of product innovation and by entering new markets



Urethanes Systems – A global leader with sustainable growth and significant future business success



FINANCIALS

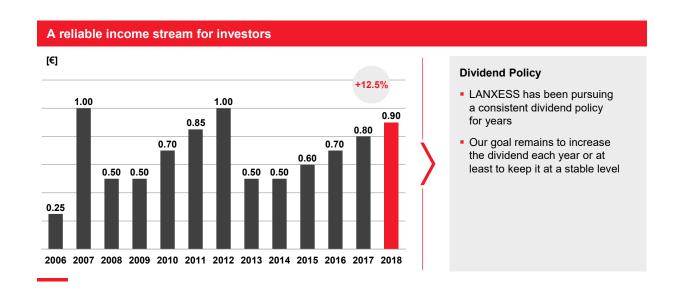
Conservative financial policy and centralized risk management

- Centralized management of all relevant risks
 - Liquidity & refinancing
 - Foreign exchange, interest rates and commodity risk
 - Counterparty risk
 - Customer credit risk
 - Insurances
- Pension risk management

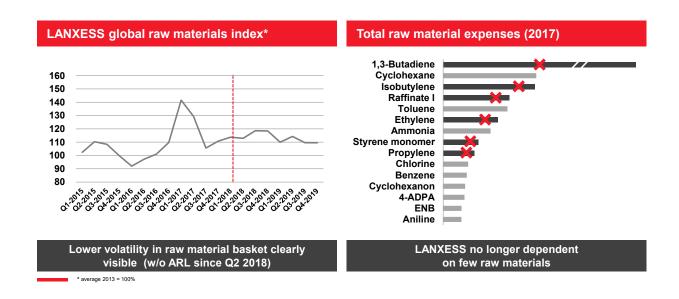


Our active risk management aims at the reduction of financial and operational volatilities

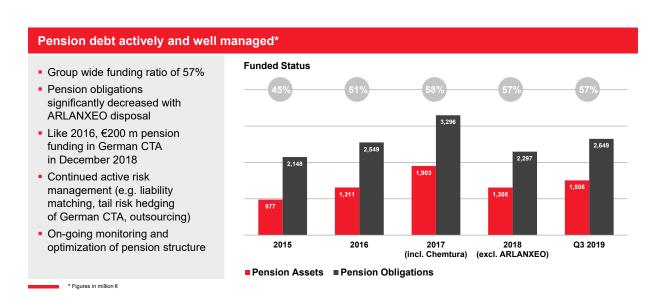
Shareholders benefit from rising dividend and share buy-back



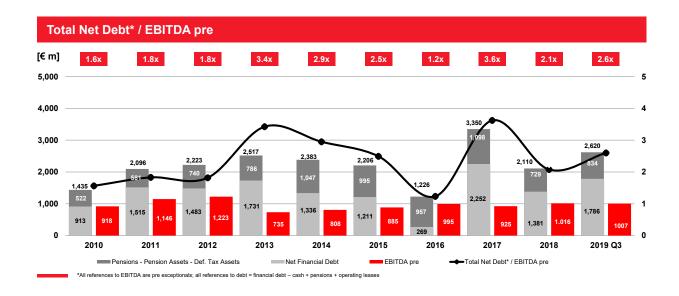
Raw material prices stable, showing substantially lower volatility



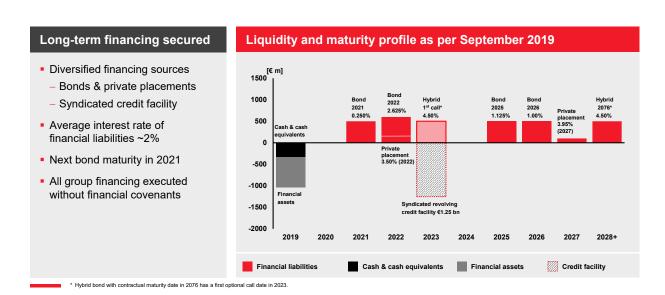
Stable funded status of pensions



LANXESS manages its net financial debt tightly



Maturity profile actively managed and well balanced



All three public ratings were upgraded after announcement of full ARLANXEO disposal

Credit rati	ng history							
	2014	2015	2016	2017	2018	2019		
S&P Global Ratings	BBB-/ stable 19.05.2014	BBB-/ positive 24.09.2015	BBB-/ negative 26.09.2016	BBB-/ stable 31.07.2017	BBB/ stable 16.10.2018	BBB/ stable 05.09.2019		
MOODY'S INVESTORS SERVICE	Baa3/ stable 20.06.2014	Baa3/ stable 24.09.2015	Baa3/ stable 18.10.2016	Baa3/ stable 18.10.2017	Baa2/ stable 23.08.2018	Baa2/ stable 26.08.2019		
SCOPE					BBB+/ stable 15.08.2018	BBB+/ stable 23.07.2019		
Investment grade rated since spin-off in 2004								

Agencies honor LANXESS' realignment process and management's commitment to maintain IG

S&P Global Ratings

- The company's portfolio realignment will bring higher and more stable margins.
- We believe LANXESS' management is committed to preserving its leverage metrics after the ARLANXEO disposal.

5 September 2019

We expect the company's credit metrics to temporarily weaken in 2019 and strengthen in 2020.

Moody's

- Portfolio realignment to enhance the business risk profile and future quality of earnings and cash flow, with more emphasis on specialty chemicals.

Baa2

BBB+

26 August 2019

Positive free cash flow and proceeds from Currenta and Arlanxeo divestment to help reduce leverage following the Chemtura acquisition and build capacity within the current rating category.



- The rating still reflects LANXESS' strong position across various medium-sized and niche specialty chemicals markets [...]
- Regarding the improved end-market mix, we consider the financial risk profile to be less sensitive to more challenging economic conditions.

LANXESS Fact Book 2019 096

098 History

Evolving financials since 2009

[€ m]	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
EBITDA pre	465	918	1,146	1,223	735	808	885	995	925	1,016
Net financial debt	794	913	1,515	1,483	1,731	1,336	1,211	269	2,252	1,381
Net financial debt/ EBITDA pre	1.7x	1.0x	1.3x	1.2x	2.4x	1.7x	1.4x	0.3x	1.7x	1.4x
Gearing [%]	55	52	73	64	91	62	52	7	66	50
EPS pre [€]*	N/A	N/A	N/A	N/A	1.73	2.22	2.03	2.69	3.84	4.45
Dividend [€]	0.50	0.70	0.85	1.00	0.50	0.50	0.60	0.70	0,80	0,90

LANXESS' key financials

^{*}Change in EPS definition: EPS pre exceptional items and amortization of intangible assets: earnings per share disregarding exceptional charges and income, amortization of intangible assets and attributable tax effects as well as (only in 2017) non-recurring earnings effects of the U.S. tax reform, from 2017 onwards continuing operations only. Note: Additional financial information available at: http://lanxess.com/en/corporate/investor-relations/financials/

Balance sheet

Balance Sheet- LANXESS (€ m)	Sept 30, 2019	June 30, 2019	Dec. 31, 2018	Dec. 31, 2017	Dec. 31, 2016	Dec. 31, 2015	Dec. 31, 2014	Dec. 31, 2013	Dec. 31, 2012	Dec. 31, 2011	Dec. 31, 2010	Dec. 31, 2009*
Intangile assets	1.811	1.755	1.764	1.769	494	300	320	323	390	373	226	196
Property, plant and equipment	2.765	2.716	2.577	4.059	3.519	3.447	3.333	2.903	2.994	2.679	2.131	1.809
Investment accounted for using the equity method	0	0	0	0	0	0	0	12	8	12	13	26
Investments in other affiliated companies	2	2	2	9	12	12	13	13	18	19	8	1
Non-current derivative assets	0	1	0	7	1	1	5	20	16	8	3	16
Other non-current financial assets	26	25	25	20	19	21	11	11	8	82	74	79
Deferred taxes	324	307	287	442	442	361	380	254	211	196	170	163
Other non-current assets	139	133	131	133	32	38	39	56	102	120	113	92
Non-current assets	5.067	4.939	4.786	6.439	4.519	4.180	4.101	3.592	3.747	3.489	2.738	2.382
Inventories	1.423	1.395	1.347	1.680	1.429	1.349	1.384	1.299	1.527	1.386	1.094	849
Trade receivables	905	924	903	1.316	1.088	956	1.015	1.070	1.117	1.146	942	733
Near cash assets	0	0	0	50	40	100	100	106	411	350	364	402
Cash and cash equivalents	338	229	797	538	355	366	418	427	386	178	160	313
Current derivative assets	11	4	4	45	65	14	14	58	28	8	19	29
Other current financial assets	771	775	598	7	2.130	4	5	6	6	27	58	146
Other current assets	320	318	252	321	251	250	213	253	297	294	291	214
Assets from discontinued operations	0	0										
Current assets	3.768	3.645	3.901	3.957	5.358	3.039	3.149	3.219	3.772	3.389	2.928	2.686
Total assets	8.835	8.584	8.687	10.396	9.877	7.219	7.250	6.811	7.519	6.878	5.666	5.068
Capital stock and capital reserves	1.117	1.317	1.317	1.317	1.317	1.317	1.317	889	889	889	889	889
Other reserves	1.640	1.483	1.391	1.381	1.257	1.313	1.253	1.690	1.238	943	699	818
Net income	253	184	431	87	192	165	47	-159	508	506	379	40
Other equity components	-218	-326	-359	-498	-214	-485	-458	-525	-321	-280	-221	-315
Equity attributable to non-controlling interests	-12	-10	-7	1.126	1.176	13	2	5	16	16	15	13
Stockholders equity	2.780	2.648	2.773	3.413	3.728	2.323	2.161	1.900	2.330	2.074	1.761	1.445
Provisions for pensions and other post-employment benefits	1.242	1.170	1.083	1.490	1.249	1.215	1.290	943	893	679	605	569
Other non-current provisions	338	351	337	460	319	271	275	258	304	331	351	307
Non-current derivative liabilities	6	2	3	2	7	19	20	12	4	13	11	4
Other non-current financial liabilities	2.782	2.784	2.686	2.242	2.734	1.258	1.698	1.649	2.167	1.465	1.302	1.462
Non-current income tax liabilities	124	121	117	119	31	19	25	49	35	63	50	47
Other non-current liabilities	72	73	80	99	93	108	118	89	74	89	95	77
Deferred taxes	97	93	89	113	83	46	21	29	82	75	40	38
Non-current liabilities	4.661	4.594	4.395	4.525	4.516	2.936	3.447	3.029	3.559	2.715	2.454	2.504
Other current provision	433	380	465	525	406	411	350	355	440	446	422	352
Current derivative liabilities	27	19	25	12	42	100	101	22	10	40	23	26
Other current financial liabilities	73	64	59	633	78	443	182	668	167	633	176	94
Trade payables	689	708	795	1.048	889	779	799	690	795	766	664	486
Current income tax liabilities	45	42	44	61	44	85	44	21	45	49	34	52
Other current liabilities	127		131	179	174	142	166	126	173	155	132	109
Liabilities from discontinued operations	0	0										
Current liabilities	1.394	1.342	1.519	2.458	1.633	1.960	1.642	1.882	1.630	2.089	1.451	1.119
Total equity and liabilities	8.835	8.584	8.687	10.396	9.877	7.219	7.250	6.811	7.519	6.878	5.666	5.068

^{*} SORIE Restatement

P&L

P&L Statement LANXESS (€ m)	9M 19	H1 19	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009
Net sales	5.413	3.632	7.197	6.530	7.699	7.902	8.006	8.300	9.094	8.775	7.120	5.057
Cost of goods sold	-3.979	-2.666	-5.363	-4.796	-5.945	-6.154	-6.418	-6.752	-6.988	-6.765	-5.381	-3.956
Gross Profit	1.434	966	1.834	1.734	1.754	1.748	1.588	1.548	2.106	2.010	1.739	1.101
Gross Margin	26,5%	26,6%	25,5%	26,6%	22,8%	22,1%	19,8%	18,7%	23,2%	22,9%	24,4%	21,8%
Selling expenses	-658	-444	-826	-761	-781	-759	-742	-755	-763	-732	-646	-530
R&D expenses	-90	-59	-118	-103	-131	-130	-160	-186	-192	-144	-116	-101
G&A expenses	-203	-135	-307	-326	-303	-284	-278	-301	-339	-325	-298	-235
Other operating income	66	50	122	164	147	207	118	128	186	179	189	237
Other operating expenses	-150	-96	-201	-409	-222	-367	-308	-527	-190	-212	-261	-323
Other operating income - net	-84	-46	-79	-245	-75	-160	-190	-399	-4	-33	-72	-86
Operating Result (EBIT)	399	282	504	299	464	415	218	-93	808	776	607	149
Income/expense from investments in affiliated companies - net	0	0	0	0	0	0	2	0	1	7	16	8
Interest expense - net	-44	-29	-69	-80	-63	-66	-69	-106	-96	-93	-83	-73
Other financial result - net	-1	5	-45	0	-62	-61	-71	-40	-53	-35	-47	-52
Financial result	-45	-24	-114	-80	-125	-127	-138	-146	-148	-121	-114	-117
Earnings before taxes (EBT)	354	258	390	219	339	288	80	-239	660	655	493	32
Income taxes	-106	-77	-118	-159	-144	-121	-36	71	-151	-148	-112	7
Earnings after taxes from continued operations	248	181	272	60	195	167	44	-168	509	507	381	39
Earnings after taxes from discontinued operations	0	0	251	64								
Earnings after taxes total	248	181	523	124								
Minorities	-5	-3	92	37	3	2	3	9	-1	-1	-2	1
Net income (loss)	253	184	431	87	192	165	47	-159	508	506	379	40
EPS	2,85	2,06	4,71	0,95	2,10	1,80	0,53	-1,91	6,11	6,08	4,56	0,48
EPS pre	4,01	2,79	*	•	2,69	2,03	2,22	1,73	6,44			
EBIT	399	282	504	299	464	415	218	-93	808	776	607	149
EBITDA	755	517	935	709	945	833	644	624	1.186	1.101	890	422
Exceptionals	76	47	91	259	50	7	184	381	39	50	28	55
D&A in exceptionals	3	3	10	43	0	-45	20	270	2	5	0	12
EBITDA pre exceptionals	828	561	1.016	925	995	885	808	735	1.223	1.146	918	465

^{*} not disclosed on group level due to exit of ARLANXEO, which exited 31.12.2018 / 2017 figures restated

Segment data

Advanced Intermediates Key Figures (€m)	9M 19	H1 19	Q1 19	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009
Sales	1.696	1.147	586	2.207	1.975	1.742	1.826	1.847	1.858	1.893	1.786	1.630	1.265
EBIT	201	148	80	232	211	223	258	202	146	224	184	204	76
Depreciation & Amortization	109	73	34	127	117	105	80	93	115	78	80	66	56
EBITDA	310	221	114	359	328	328	338	295	261	302	264	270	132
Exceptionals (EBIT relevant)	0	0	0	0	7	-2	-18	13	52	7	23	1	11
D&A in exceptionals	0	0	0	0	0	0	-19	0	30	2	4	0	0
EBITDA pre exceptionals	310	221	114	359	335	326	339	308	283	307	283	271	143

Specialty Additives new Key Figures (€m)	9M 19	9M 19 H1 19 Q		2018	2017	2016
Sales	1.494	991	485	1.980	1.611	841
EBIT	143	91	45	204	56	123
Depreciation & Amortization EBITDA	117 260	77 168	37 82	136 340	136 192	28 151
Exceptionals (EBIT relevant)	11	6	1	3	111	0
D&A in exceptionals	2	2	0	0	36	0
EBITDA pre exceptionals	269	172	83	343	267	151

Performance Chemicals restated Key Figures (€ m)	9M 19	H1 19	Q1 19	2018	2017	2016
Sales	1.057	703	347	1.349	1.439	1.301
EBIT	100	67	29	99	108	154
Depreciation & Amortization	64	42	21	85	82	66
EBITDA	164	109	50	184	190	220
Exceptionals (EBIT relevant)	6	5	4	13	68	3
D&A in exceptionals	0	0	0	10	6	0
EBITDA pre exceptionals	170	114	54	187	252	223

Engineering Materials Key Figures (€m)	9M 19	H1 19	Q1 19	2018	2017	2016	2015
Sales	1.100	747	382	1.576	1.366	1.056	1.085
EBIT	141	98	49	205	151	114	85
Depreciation & Amortization	48	32	16	61	56	45	46
EBITDA	189	130	65	266	207	159	131
Exceptionals (EBIT relevant)	0	0	0	1	13	0	-19
D&A in exceptionals	0	0	0	0	1	0	1
EBITDA pre exceptionals	189	130	65	267	219	159	111

Reconciliation Key Figures (€m)	9M 19	H1 19	Q1 19	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009
Sales	66	44	22	85	139	49	47	42	35	41	41	39	35
EBIT	-186	-122	-64	-236	-227	-305	-348	-260	-240	-212	-208	-211	-151
Depreciation & Amortization	18	11	6	22	19	17	23	20	24	15	16	17	17
EBITDA	-168	-111	-58	-214	-208	-288	-325	-240	-216	-197	-192	-194	-134
Exceptionals (EBIT relevant)	59	36	17	74	60	51	43	79	45	17	18	24	18
D&A in exceptionals	1	1	0	0	0	0	0	0	0	0	1	0	5
EBITDA pre exceptionals	-110	-76	-41	-140	-148	-237	-282	-161	-171	-180	-175	-170	-121

Cash Flow Statement

Cash Flow Statement LANXESS (€ m)	9M 19	H1 19	2018	2017	2016	2015	2014	2013
Income before income taxes	354	258	390	219	339	288	80	-239
Depreciation and amortization	356	235	431	410	481	418	426	717
Financial losses (gains)	24	8	63	35	56	66	75	111
Income taxes paid	-154	-114	-156	-139	-184	-98	-31	-41
Working Capital changes	-154	-149	-165	-66	-47	93	147	110
Others	-57	-124	-91	109	44	-75	100	-17
Operating cash flow - continued operations	369	114	472	568				
Operating cash flow - discontinued operations	-	-	114	300				
Operating cash flow - total	369	114	586	868	689	692	797	641
Investing cash flow - continued operations	-435	-313	65	-22				
Investing cash flow - discontinued operations	-	-	-169	-145				
Investing cash flow - total	-435	-313	-104	-167	-2.879	-400	-587	-342
~ thereof CAPEX	-305	-184	-497	-397	-439	-434	-614	-624
Financing cash flow - continued operations	-395	-370	-160	-545				
Financing cash flow - discontinued operations	-	-	-57	37				
Financing cash flow - total	-395	-370	-217	-508	2.173	-333	-222	-260
Free Cash Flow	64	-70	89	471	250	258	183	17





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