

## LANXESS – Q1 2020 Roadshow

Cash is king!

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## **Agenda**

1 Cash is king! - Managing the crisis

2 Way forward: Staying focused on strategic agenda

3 Financial and business details Q1 2020

4 Back-up

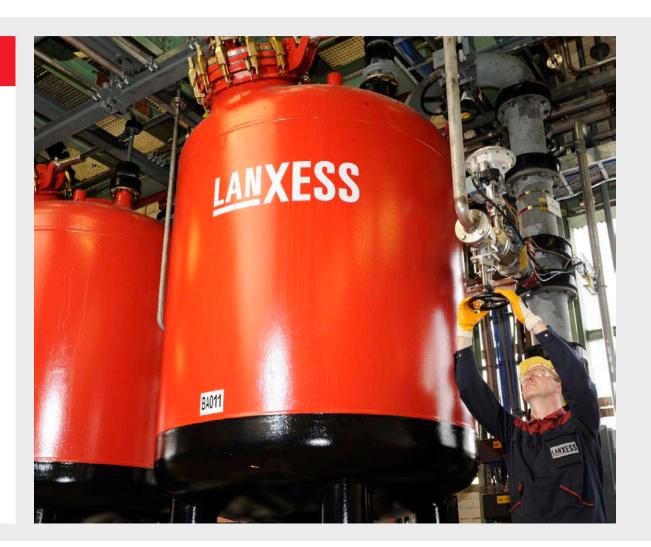


## Q1 2020: Two segments with improved results mitigate COVID-19 impact



### **Business status**

- EBITDA pre of €245 m (€272 m) reflects COVID-19 impact
- EBITDA pre margin at 14.4%
- Improved EBITDA pre in Consumer Protection and Specialty Additives segments
- Temporary shutdowns in China, Italy, India and Argentina driven by Corona, in the meantime, basically reversed
- Acquisition of Brazilian biocide manufacturer IPEL and divestments of chrome chemicals business and gallium based organometallics all closed



## Due to the uncertainties caused by COVID-19, LXS has implemented a number of proactive measures





### Financial measures

- Financial measures to enhance already strong liquidity position:
  - Temporary utilization of revolving credit facility
  - Suspension of share buy-back
  - Review of capex projects (reductions of €50 m)
  - Cost containment measures (€50 100 m) incl. voluntary reduction of management's variable compensation, short-time work ("Kurzarbeit")
- Sale of Currenta: Realization of an equity value of €780 m plus a profit participation of €150 m (both pre tax) on 30 April 2020

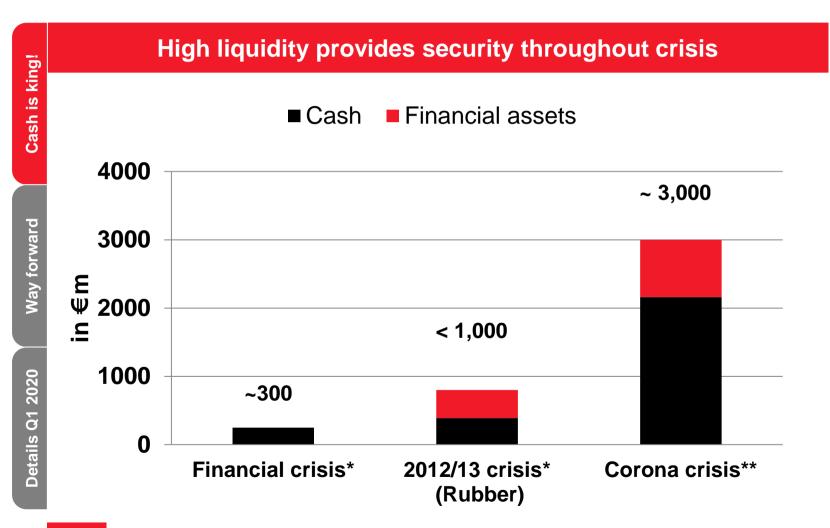


### **Operational measures**

- Measures to secure operations:
  - Shift model adjustments, esp. in Germany
  - Broad based safety measures led to low infection rate (only 32 employees)
  - Foresighted inventory and logistics management
- Comprehensive scenario reporting, e.g.:
  - Daily liquidity status
  - Financial scenario modeling
  - Close supply chain monitoring
  - Nearly daily board meetings

### LANXESS with highest liquidity in its history





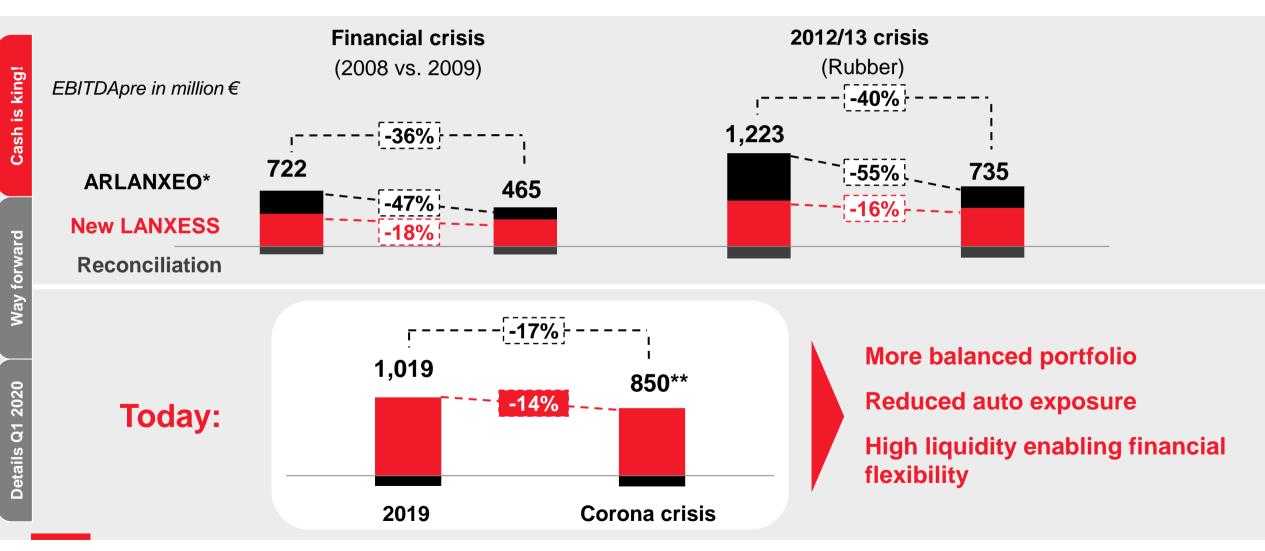


<sup>\*</sup> Liquidity per 31 Dec 2008 and 31 Dec 2012 for the Financial and 2012/13 crisis

<sup>\*\*</sup>Cash includes back-up credit facility of about €1 bn, including proceeds from Currenta transaction closed April 30

## LANXESS portfolio today provides a much better risk profile than in the last economic downturns





<sup>\*</sup> ARLANXEO = Segment: Performance Polymers – Business unit: High Performance Materials (non audited)

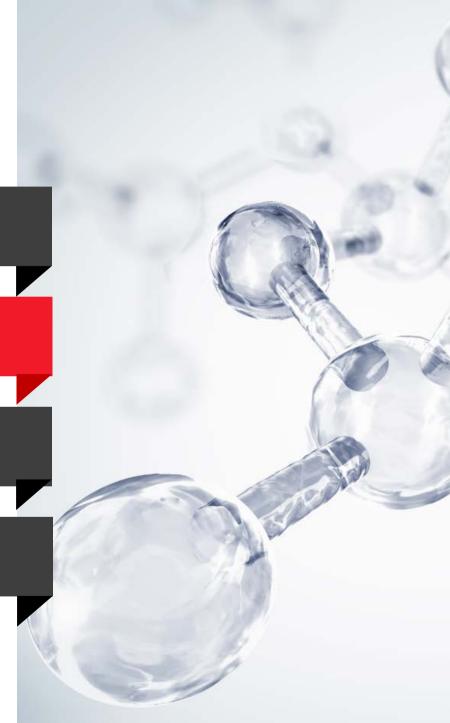
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## The way forward – LANXESS stays focused on strategic agenda despite Corona crises





## Continuous portfolio management

- Currenta divestment closed as planned: Realization of an equity value of €780 m plus a profit participation of €150 m (both pre tax) on 30 April 2020
- Consumer Protection: New segment structure reveals strength of businesses
- Organic growth:
  - Capex projects reviewed
  - Crucial projects progress according to plan



## Fix underperforming businesses

- BU Leather\*\* and Organometallics successfully realigned
- First measures at Rhein Chemie kicked off:
- New management
- Stringent cost containment
- Optimization in service and logistics performance



### iiiiovatioii

- Consumer Protection:
   Leveraging expertise in actives and disinfectants to expand in human health applications
- Standard Lithium project:
   Start-up activities and testing ongoing, however delayed due to Corona pandemic (e.g. travel restrictions)



- New methods of collaboration established
- Despite some delays in digital projects, the crisis fast-tracked the usage of digital technology, e.g. in Global Procurement and Supply Chain Management
- CheMondis:
  - Corona crisis accelerated the very positive trend of digitized sales in the chemical industry
  - CheMondis very successfully opened up for hospitals/ doctors/ pharmacies to support the distribution of disinfection material

<sup>\*</sup> After deduction of net debt and pensions

<sup>\*\*</sup>Closing of divestment Chrome ore mine expected in H2 2020, Divestment process for Organic Leather Chemicals is underway and we likewise expect this transaction to be completed by end of 2020

## Crucial organic growth projects progress as planned despite capex re-evaluation: Projects 2019/20\*



	Segment	BU	Capacity expansion project & site	End markets and applications
Cash is king!	Advanced Intermediates	AII AII AII	<ul> <li>P-Dichlorobenzene, Leverkusen</li> <li>Hexanediol production, Krefeld-Uerdingen</li> <li>Antioxidant Vulkanox HS, Brunsbuettel</li> </ul>	<ul><li>Electro &amp; Electronics, Automotive</li><li>Coatings</li><li>Rubber industries</li></ul>
Way forward	Specialty Additives	RCH	<ul> <li>Soluble, organic dyes of the Macrolex brand used for coloration of high-quality plastic products, Leverkusen</li> </ul>	<ul><li>Consumer goods (e.g. electronic devices, toys)</li></ul>
Q1 2020 Way	Consumer Protection	LPT	<ul> <li>Ion exchange resins, Leverkusen</li> </ul>	<ul><li>Battery industry</li><li>Consumer goods (household applications)</li><li>Power plants</li></ul>
Details Q1	Engineering Materials	HPM HPM URE	<ul> <li>Additional production lines for Tepex, Brilon</li> <li>New compounding facility, Changzhou</li> <li>Prepolymers, Porto Feliz</li> </ul>	<ul> <li>Consumer electronics, Automotive</li> <li>Electro &amp; Electronics, Automotive</li> <li>Mining and industrial applications</li> </ul>

<sup>\*</sup> All projects already on-stream, except capacity increase of hexanediol production (BU AII) scheduled for end of 2020

## High demand for actives and disinfectants used against Coronavirus



### **Characteristics**

- Tests prove effectiveness of Rely+On Virkon against Coronavirus
- Rely+On Virkon and several customer products containing LANXESS actives recommended by US EPA\* against SARS-COV2
- Disinfection in public spaces crucial for containing pandemic: Hospitals, train stations, airports, schools, offices...

### **Demand & capacity**

- Demand for LANXESS actives and Rely+On Virkon is skyrocketing
- New marketing channels established for Rely+On Virkon
- 9 new or amended registrations achieved, additional 10 expected in May
- Production and logistics optimization for additional volumes



## FY 2020 outlook incorporates latest assumptions of **Corona impacts**

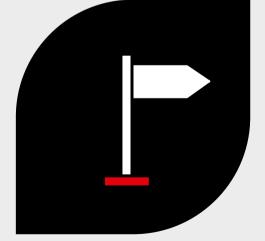












### **Current view on economy**

- Duration of COVID-19 pandemic dominates economic development financial impact for full year hard to predict
- Burden of pandemic expected to accelerate in Q2 and Q3
- Disruptions of supply chains and logistics cannot be excluded

### **LANXESS** outlook includes Corona impact

- Q2: EBITDA pre range of €200-250 m expected
- Implementation of mitigating measures is ongoing
- FY: EBITDA pre expected at €800-900 m

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## LANXESS Group: Solid EBITDA pre margin in tough times



# Balanced portfolio mitigates impact from pandemic

[€m] *	Q1/2019	Q1/2020	Δ
Sales	1,738	1,704	-2%
EBITDA pre	272	245	-10%
Margin	15.7%	14.4%	
CAPEX	69	74	7%



- Price Volume FX Portfolio
  -2% -1% +1% 0%

  Total -2%
  Q1 Sales vs. PY
- Slight sales decline mainly due to raw material driven price reductions and lower demand on the back of global crisis
- EBITDA pre and margin decrease mainly due to COVID-19 related impacts especially in Asia (Advanced Intermediates) and automotive (Engineering Materials)
- Strong performance in Consumer Protection partly compensates



### Advanced Intermediates: Corona impact burdens



## Stabilization of BU IPG continues

[€m] <sup>*</sup>	Q1/2019	Q1/2020	Δ
Sales	584	558	-4%
EBITDA pre	105	88	-16%
Margin	18.0%	15.8%	
CAPEX	26	28	8%



Price	Volume	FX	Portfolio
-4%	-1%	+1%	0%

Total -4%

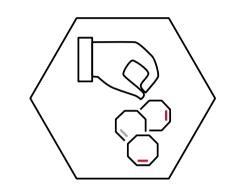
- Sales decrease due to lower raw material prices and volumes in BU AII attributable to Corona impact in Asia
- Volume increase in BU IPG and positive FX development
- EBITDA pre and margin decline reflect impact from Corona related shutdowns and lower demand in Asia

## **Specialty Additives: Earnings slightly increased**



# Stable margins, but impact will come

[€m]	Q1/2019	Q1/2020	Δ
Sales	485	499	3%
EBITDA pre	83	85	2%
Margin	17.1%	17.0%	
CAPEX	14	15	7%



Price	Volume	FX	<b>Portfolio</b>
0%	+1%	<b>+2</b> %	0%

Total **+3**%

- Sales increase despite challenging environment
- Stable price and volume development across segment, Corona related impacts and automotive balanced by good bromine business
- Slightly positive earnings development and stable margin overall
- Lower demand from aviation, automotive, electronics and oil & gas industries expected to burden in course of the year

Sash is king!

## Consumer Protection: New segment structure reveals strength of businesses



## **Strong performance** across the segment

[€m]*	Q1/2019	Q1/2020	Δ
Sales	264	279	6%
EBITDA pre	60	67	12%
Margin	22.7%	24.0%	
CAPEX	9	10	11%



Price	Volume	FX	<b>Portfolio</b>
<b>+2</b> %	<b>+2</b> %	0%	+1%

Total **+6**%

- Rise in sales due to pricing, volume and portfolio (biocides acquisition in Brazil early February)
- Positive pricing in all BUs, especially BU MPP
- Volume growth driven by strong demand for disinfectants (BU MPP) and active ingredients used in agro industry (BU SGO)
- Strong EBITDA pre and margin development mitigates COVID-19 impact of other segments

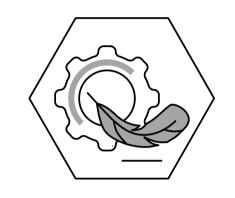
<sup>\*</sup> New reporting structure as of Q1 2020, all numbers excluding BU LEA, which is reported as discontinued operations

## **Engineering Materials: Severe impact from Corona related auto crisis**



## Weak auto demand slows down further

[€m]	Q1/2019	Q1/2020	Δ
Sales	382	347	-9%
EBITDA pre	65	49	-25%
Margin	17.0%	14.1%	
CAPEX	11	8	-27%



- Price Volume FX Portfolio
  -6% -4% +1% 0%
  - Total -9%

- Drop in sales results partly from significantly lower raw material prices, further decline in auto demand caused by COVID-19 pandemic especially in Europe
- BU URE with stable performance
- EBITDA pre and margin decline substantially due to burden in BU HPM

## Q1 2020: Operational result impacted by Corona – still maintained margin on solid level



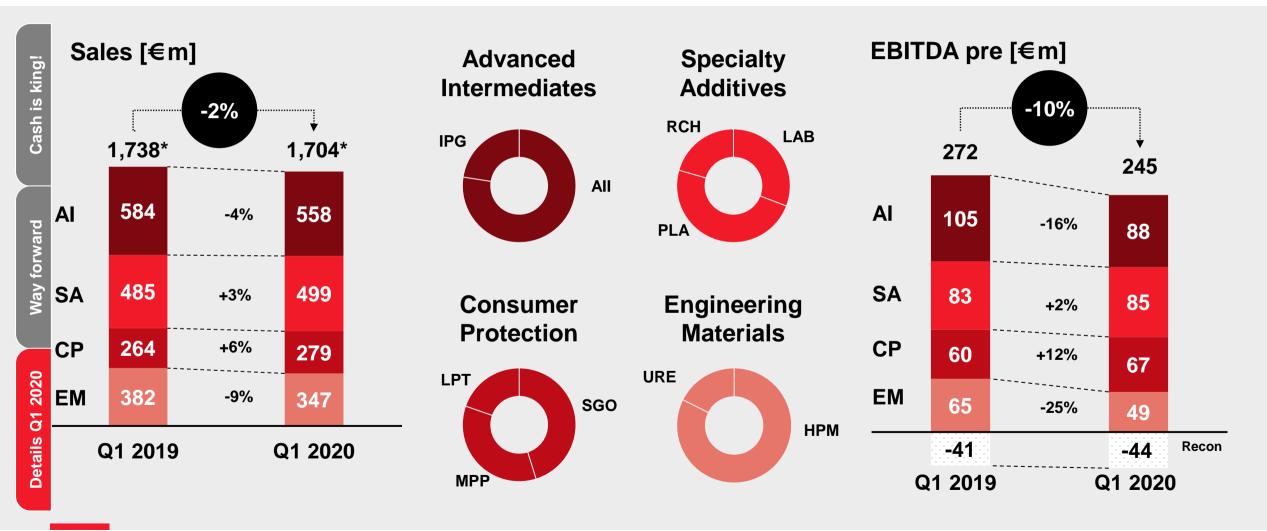
king!	[€m]	Q1/2019		Q1/2020		yoy in %
Cash is k	Sales	1,738	(100%)	1,704	(100%)	-2%
Cas	Cost of sales	-1,286	(-74%)	-1,269	(-74%)	1%
	Selling	-201	(-12%)	-202	(-12%)	0%
īd	G&A	-63	(-4%)	-74	(-4%)	-17%
forward	R&D	-27	(-2%)	-26	(-2%)	4%
Nay f	Others (incl. Except.)	-21	(-1%)	-29	(-2%)	-38%
	EBIT	140	(8%)	104	(6%)	-26%
Details Q1 2020	EPS pre*	1.32		1.17		-11%
	EBITDA	250	(14%)	219	(13%)	-12%
	thereof except.	-22	(-1%)	-26	(-2%)	-18%
De	EBITDA pre except.	272	(15.7%)	245	(14.4%)	-10%

- Increase in G&A costs mainly due to remnant cost and compared to low previous year
- Lower EBIT reflects Corona impact and higher depreciation

<sup>\*</sup> From continuing operations, net of exceptionals and amortization of intangible assets as well as attributable tax effects

## Q1 2020: Two segments with improved EBITDA pre mitigate COVID-19 impact

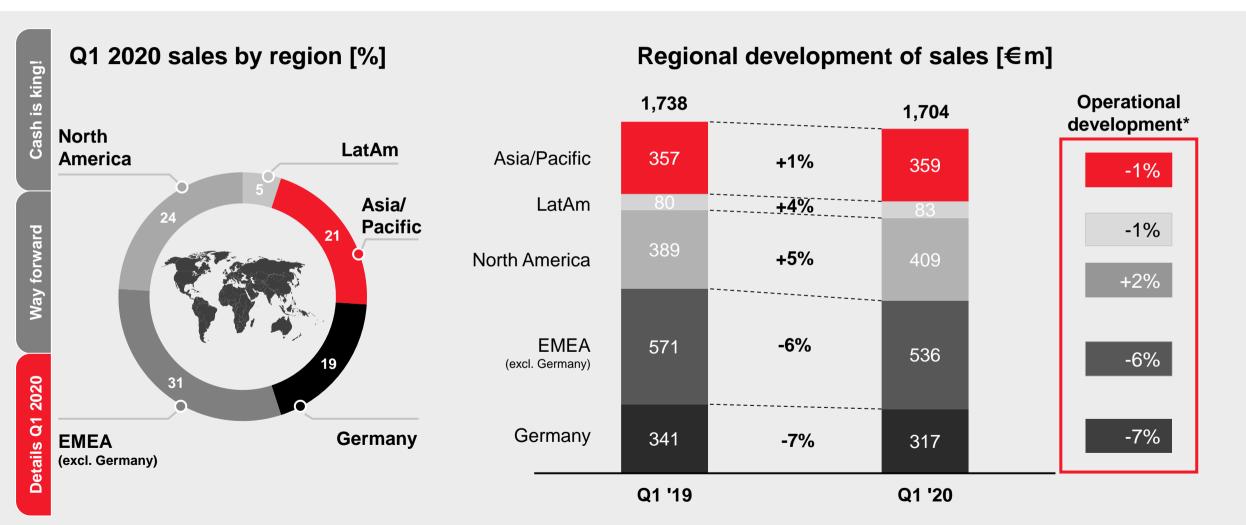




<sup>\*</sup> Total group sales including reconciliation

## Q1 2020: Operational sales growth in North America, Europe suffers mainly from weak auto industry





<sup>\*</sup> Currency and portfolio adjusted

[€m]	Q1/2019	Q1/2020	Δ	
Operating cash flow*	22	113	91	
Changes in working capital	-168	-181	-13	
Investing cash flow*	-236	-75	161	
thereof capex	-69	-74	-5	

- Strong increase in operating cash flow
- Change in working capital driven by strong seasonal increase in receivables, inventory control still in place
- Investing cash flow in previous year includes investment of liquidity in financial assets after ARLANXEO divestment

<sup>\*</sup> Applies to continuing operations

## Strong balance sheet includes strong liquidity position



[]	[€m]	31.12.2019	31.03.2020
Cash is king!	Total assets	8,695	9,671
Cash	Equity	2,647	2,697
	Equity ratio	30%	28%
ward	Net financial debt <sup>1</sup>	1,742	1,705
Way forward	Cash, cash equivalents, short term money market investments	1,076	2,109
	Pension provisions	1,178	1,087
Details Q1 2020	Net working capital	1,308	1,484
tails Q	DSI (in days) <sup>2</sup>	66	64
De	DSO (in days) <sup>3</sup>	42	49

- Total assets increase due to full draw down of revolving credit facility (€1 bn)
- Slightly improved net financial debt despite share buy-back
- Strong liquidity secures financial and operating flexibility in Corona crisis
- Decrease in pension provisions due to increased interest rates
- Seasonal increase in working capital

<sup>&</sup>lt;sup>1</sup> Including cash, cash equivalents, short term money market investments

<sup>&</sup>lt;sup>2</sup> Days sales of inventory calculated from quarterly sales

<sup>&</sup>lt;sup>3</sup> Days of sales outstanding calculated from quarterly sales

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### Housekeeping items 2020



**Capex 2020** 

Operational D&A 2020

Reconciliation 2020

Tax rate

Exceptionals 2020

FX sensitivity

Remnant costs

Maintenance shutdown BU HPM

~€450 m

~€450 m

~€140 m - €150 m including remnant costs

~28%

~€70-80 m based on current initiatives

One cent change of USD/EUR resulting in ~€7 m EBITDA pre impact before hedging

**~€10 m** p.a. until 2022

~**€10 - €20 m** in H2

## 2019 like-for-like figures for new reporting structure reflect shift between segments Al and CP



[€m]		Advanced Intermediates	Specialty Additives	Consumer Protection	Engineering Materials	Total*
Sales	Q1	584	485	264	382	1,738
	Q2	585	506	247	365	1,724
	Q3	549	503	277	353	1,704
	Q4	533	471	262	350	1,636
EBITDA pre	Q1	105	83	60	65	272
	Q2	114	89	48	65	281
	Q3	91	97	55	59	269
	Q4	73	84	35	49	197

### **Key Figures\*: Solid performance in crisis mode**



**Q4** 



€1,704 m



€113 m **Operating Cash** 

>100% Flow



€2,109 m

Cash & cash equivalents, short term money market investments



€245 m EBITDA pre

-10%



14.4% EBITDA pre Margin

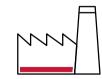


€1,705 m

Net financial debt\*\*



-11%



<sup>\*</sup> Continuing operations (excluding BU LEA, which is reported as discontinued operation)

<sup>\*\*</sup> including short term money market investments

## Increase in exceptional items (on EBIT) due to higher realignment and project costs



[€m]		Q1/2019		Q1/2020	
		Excep.	Thereof D&A	Excep.	Thereof D&A
	Advanced Intermediates	4	0	2	0
	Specialty Additives	1	0	4	0
	Consumer Protection	0	0	0	0
	Engineering Materials	0	0	0	0
	Reconciliation	17	0	20	0
Tota	I	22	0	26	0

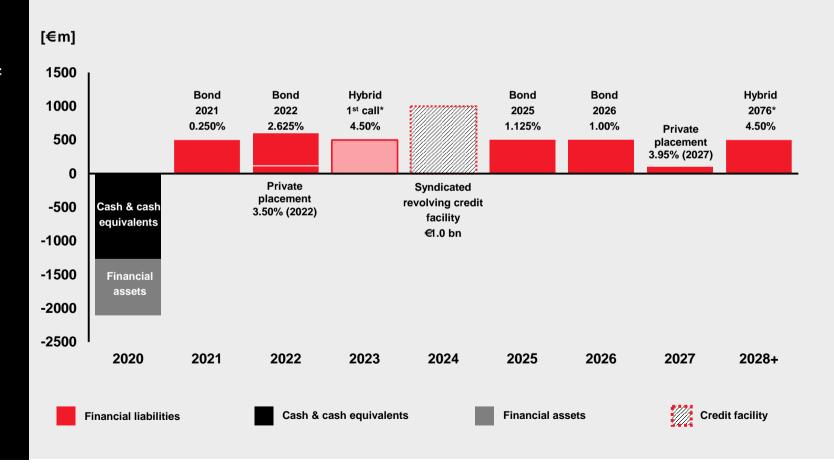
### Maturity profile actively managed and well balanced



### **Long-term financing secured**

- Syndicated revolving credit facility fully drawn as per end of March
- Diversified financing sources
  - Bonds & private placements
  - Syndicated credit facility
- Average interest rate of financial liabilities ~2%
- Next bond maturity in 2021
- All group financing executed without financial covenants

### Liquidity and maturity profile as per 31 March 2020



<sup>\*</sup> Hybrid bond with contractual maturity date in 2076 has a first optional call date in 2023.

## The way forward – Continuous Portfolio Management





### Strategy



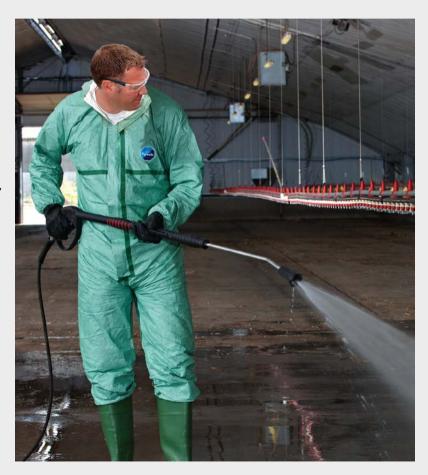
## Perfect match: The characteristics of Consumer Protection Chemicals and our competences





### **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
- One of the strongest water purification technologies

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





### **Food Safety**

~5% Sales CAGR\* (2013-2019)





### **Water Purification**







### **Biosecurity**







## MPP proves its strong "specialty" financial performance



70 - 80%

Cash conversion

22 - 25% EBITDA pre margin

**CAGR: ~10%** 

Sales <€500 m

6 M&A since 2010

**0%**Automotive

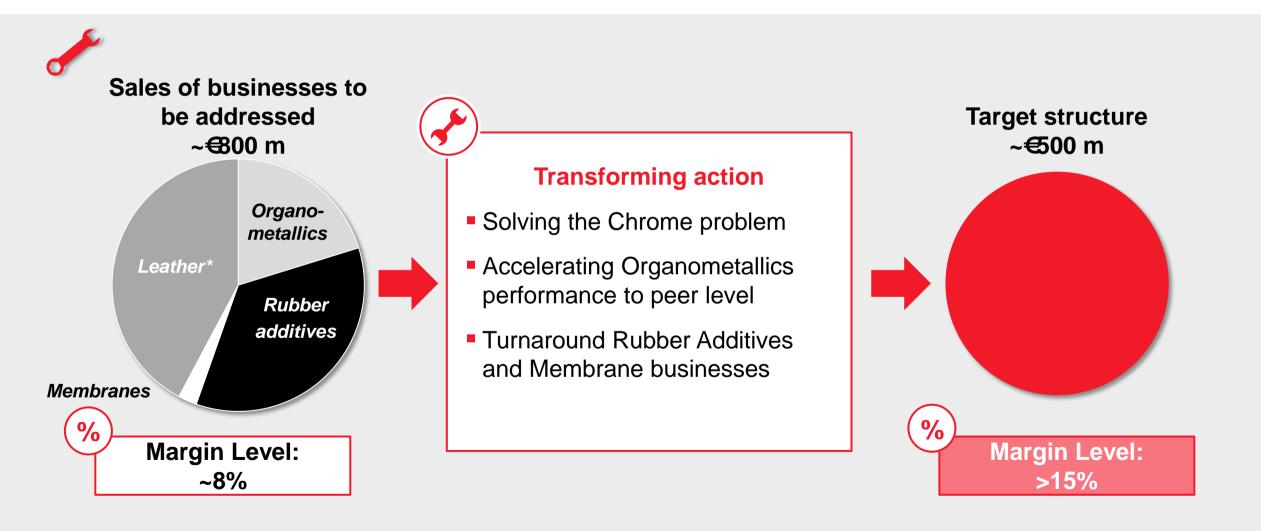
## The way forward – Fix underperforming businesses





## Rigorously addressing under-performing businesses across our portfolio

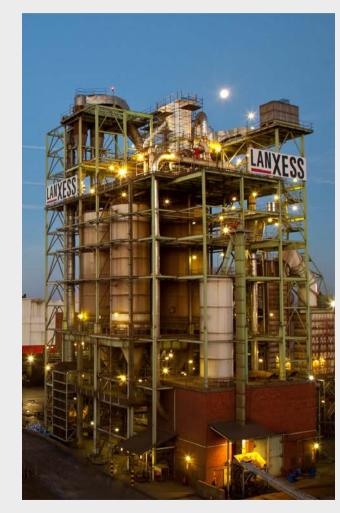




### Strong progress in solving the Chrome problem







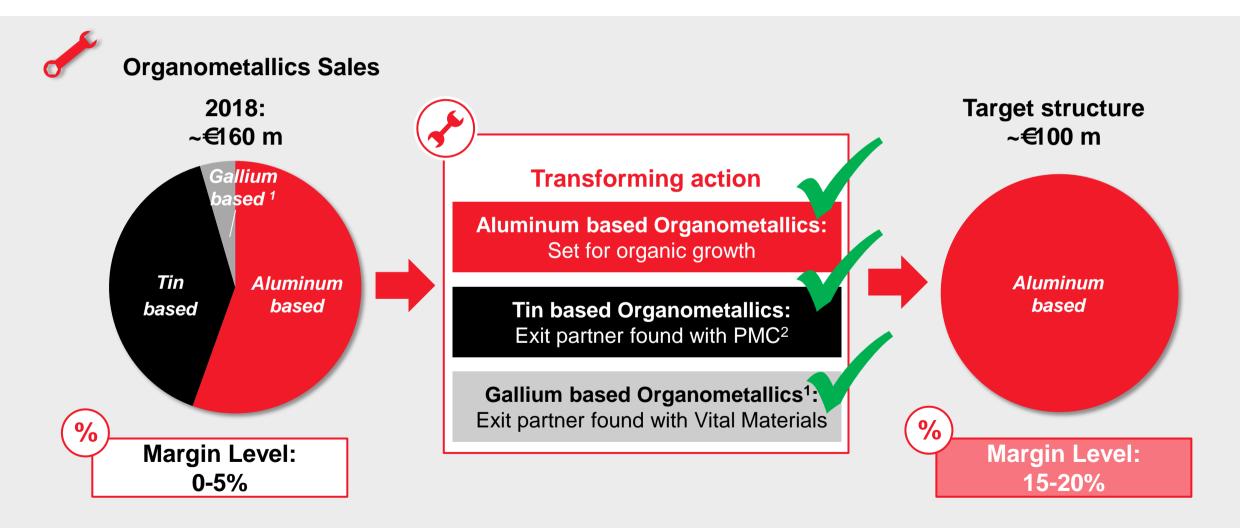
<sup>\*</sup>Disposal of LANXESS' 74% stake in chrome ore mine in Rustenburg (South Africa) to Clover Alloys (SA) Pty. Ltd.; Closing expected by the end of 2020, Subject to approval of relevant authorities

<sup>\*\*</sup>Sold to Brother Enterprises, closed in January 2020. LANXESS continues manufacturing at Merebank site as part of a 5 years tolling agreement

<sup>\*\*\*</sup>Offer and sale process is underway and we likewise expect this transaction to be completed by December 31, 2020.

# Improving Organometallics' performance to competitive peer level

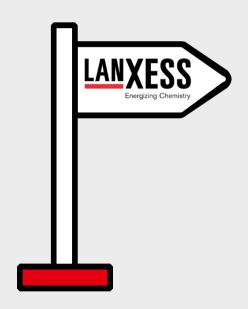




<sup>&</sup>lt;sup>1</sup> LANXESS Electronic Materials, Pyeongtaek (Korea)

## The way forward – Innovation





## **Strategy**



What innovations are we working on?

## 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



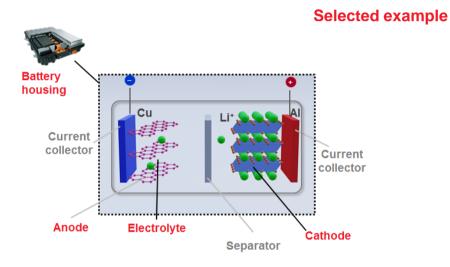
## **Strong alliances**

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

# Strategic realignment is supported by product, process and technology innovation



## **Key Chemicals for Li-Ion batteries**



- Standard Lithium Cooperation
   Pilot project to extract battery grade lithium from bromine wells in El Dorado
- Electrolyte salt (LiPF<sub>6</sub>), Chems for Anode & Cathode
- Battery Housing (PA / PBT components)

## Natural beverage preservatives

Selected example



- 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 m €250 m)

# Cooperation with Standard Lithium could deliver upside in a promising market





#### JV characteristics\*

- 60-70% LANXESS ownership
- Exclusive access to technology in Smackover formation
- Absorption of El Dorado infrastructure cost

## **Project rationale**

- Use existing site infrastructure
- Brines from bromine wells in El Dorado contain Lithium
- Lithium demand growing double digit
- Limited additional cost during piloting
- In case of successful pilot project: €100-400 m capex possible\*\*

# The way forward – Digitalizing the value chain



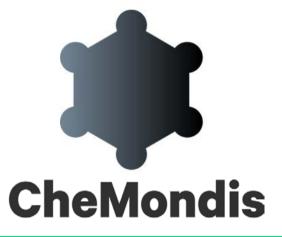


# Digitalizing the value chain: CheMondis Paving the way to the future of trading chemicals









**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 for industrial chemicals in the western world

Exceptional team of skilled and dedicated experts combining chemical, digital and technical know-how

Unique setup, backed by industry know-how and capital

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





From itemized elements ...

... towards a fully integrated digitalized value chain:

R&D

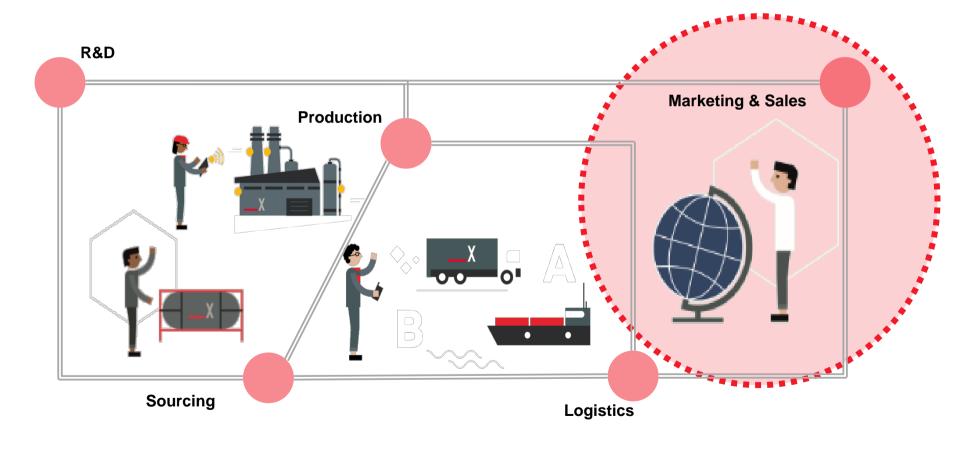
Sourcing

**Production** 

Logistics

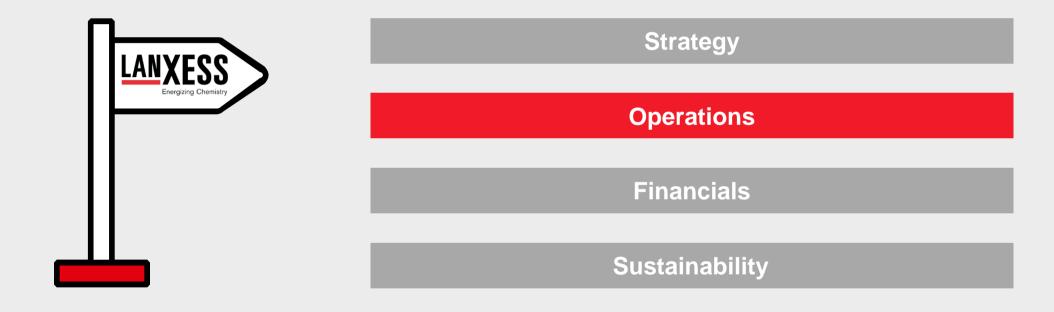
**Marketing/Sales** 

General/ Administration



# The way forward – Providing direction from four perspectives





# Portfolio additions most likely in Specialty Additives and along with transformation of Performance Chemicals



	Organic growth / Capex	Likelihood for M&A	Characteristics for M&A
Advanced Intermediates			
Specialty Additives			Synergies in related businesses
Consumer			Attractive secular growth
Protection			High entry barriers due to increasing regulation
Engineering Materials			

# The way forward – Providing direction from four perspectives





## Cash Conversion target also on track – but at what price does it come?

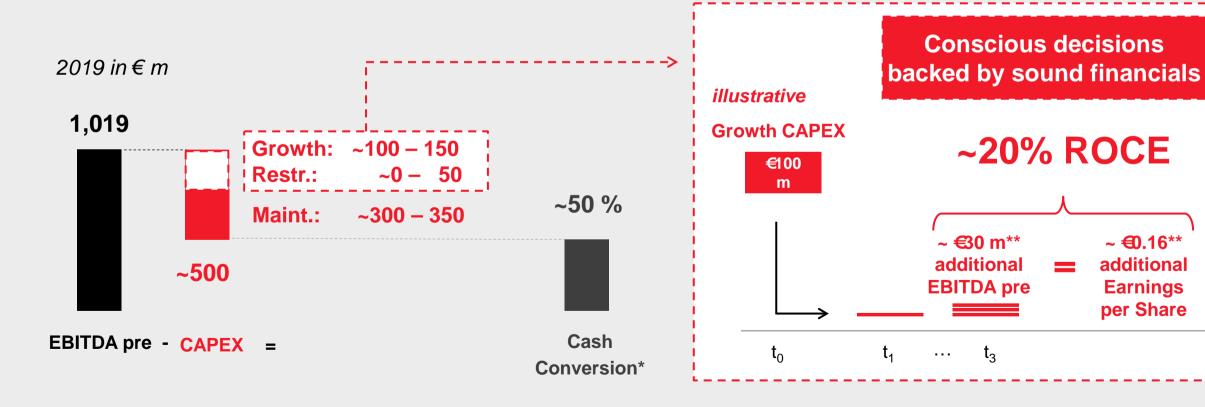


~ €0.16\*\*

additional

**Earnings** per Share

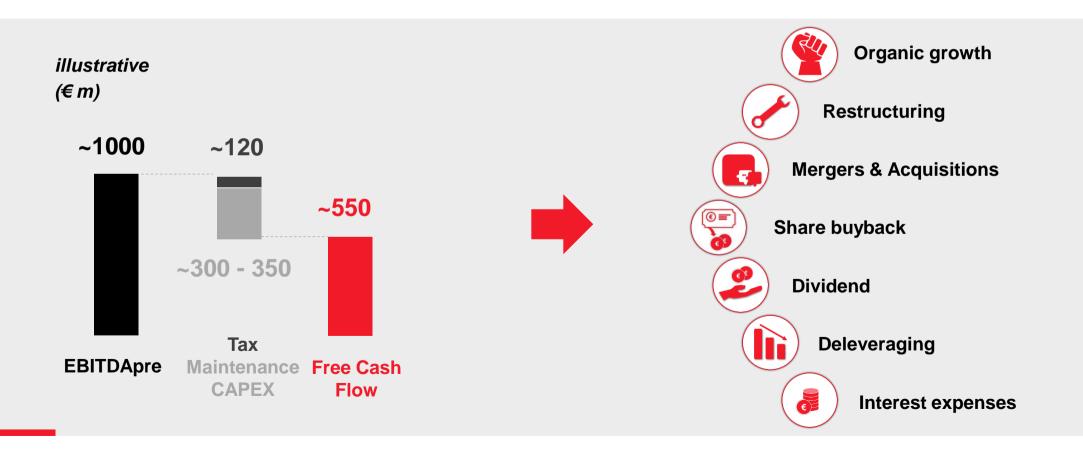
We could deliver on our Cash Conversion target already today, but give priority to profitable growth



## Capital allocation follows shareholder interests



## Shareholder return is the driver for capital allocation



# LANXESS strengthens its All aromatic "Verbund" with additional synthetic menthol capacity



Clear long-term investment approach based on synergetic customer relationship







## **Investment rationale:**

- Significant increase in demand for synthetic menthol
- Strong customer relation based on long-term contracts
- Downstream development of the aromatic "Verbund"



# Venture investment into Lithium with low risk and potentially high return



Opportunity in cooperation with Standard Lithium



~€100 – 400 m

**Investments** 



2021

Planned start of construction

#### **Investment rationale:**

- Potential lucrative yield of battery grade lithium from LANXESS' "waste material" tail brine
- Strong growth of Lithium use based on rising demand for batteries



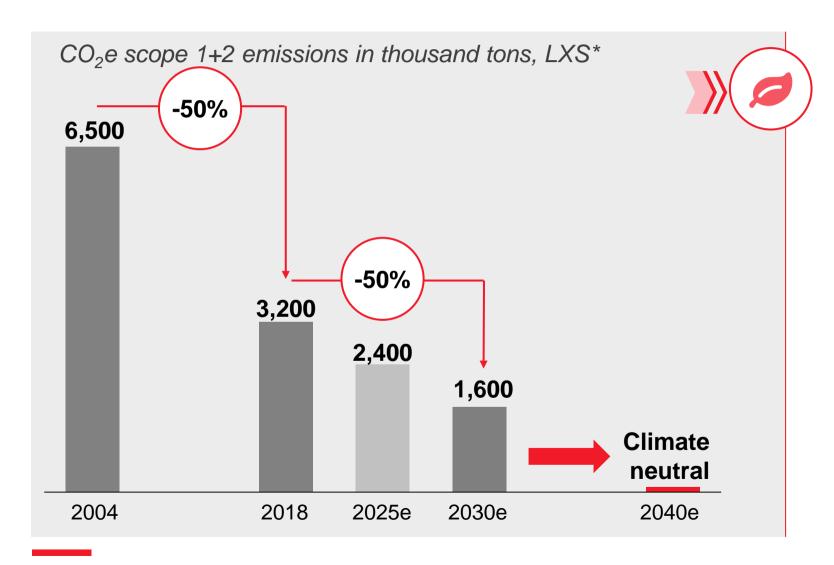
# The way forward – Providing direction from four perspectives





# LANXESS goes climate neutral by 2040 – New long-term commitment

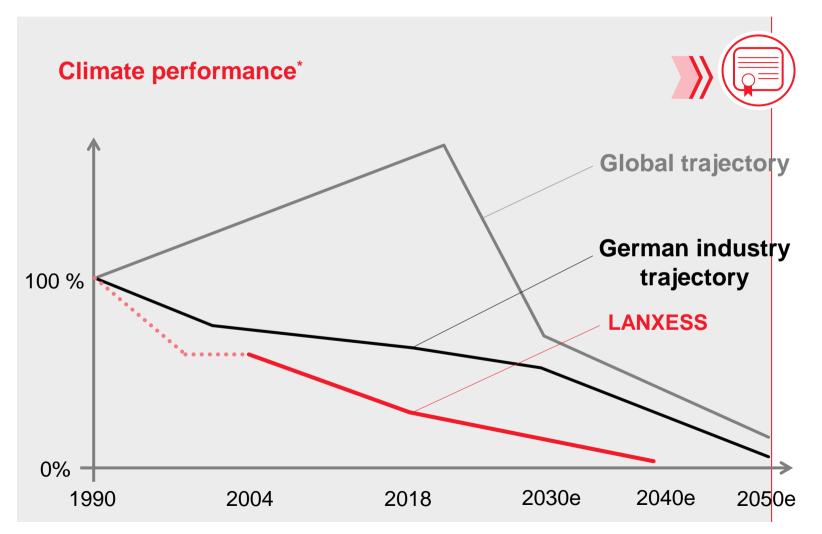




- Clearly defined measures to reduce today's emissions
- Compensate growth effects with efficiency
- Majority of projects with reasonable investment costs
- Sustainable management is seen as a competitive advantage
- In 2019, we further reduced absolute Scope 1+ 2 emissions to ~3,060 kt – around 5% of total volume.
- Good for LANXESS, good for our customers, good for our planet!

# LANXESS ahead of regulation and far sighted in management of ETS certificates

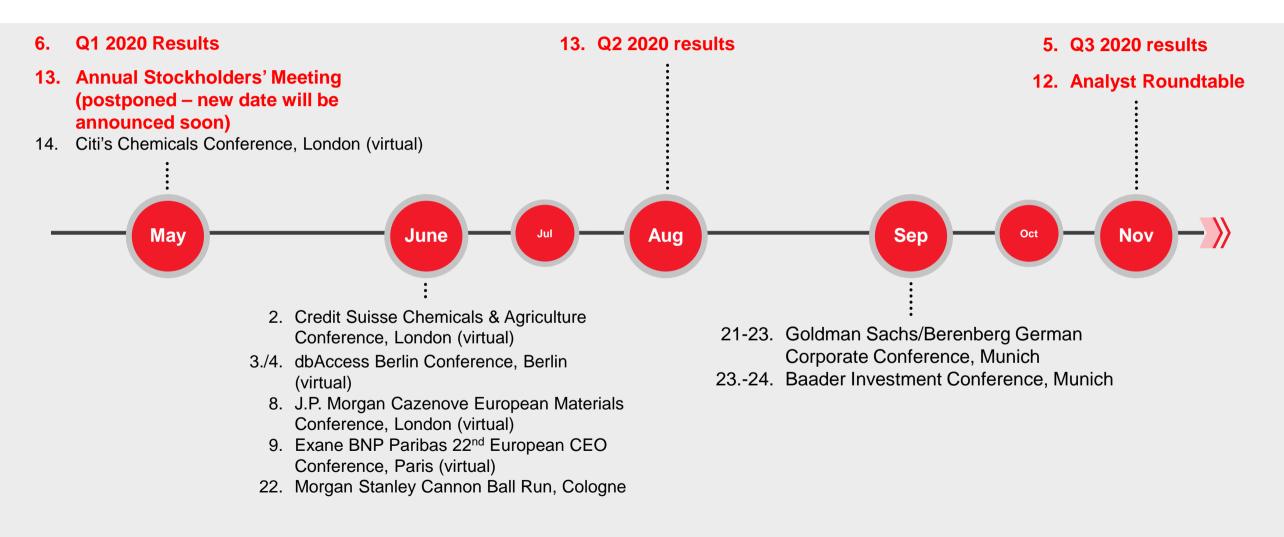




- LANXESS actively reduced CO<sub>2</sub>e emissions in line with Emission Trading Scheme (ETS) reduction targets
- Cost effect from ETS is currently neutral
- We will continue to reduce CO<sub>2</sub>e emissions and remain ahead of ETS reduction targets

# **Upcoming (virtual) events 2020 - Proactive capital market communication**





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## **Abbreviations**





### **Advanced Intermediates**

All Advanced Industrial Intermediates

**IPG** Inorganic Pigments



### **Consumer Protection**

**LPT** Liquid Purification Technologies

**MPP** Material Protection Products

**SGO** Saltigo



## **Specialty Additives**

**LAB** Lubricant Additives Business

**PLA** Polymer Additives

**RCH** Rhein Chemie



## **Engineering Materials**

**HPM** High Performance Materials

**URE** Urethane Systems

# LANXESS Energizing Chemistry