

## LANXESS – Q2 2018 Roadshow

Building our future

Michael Pontzen, CFO

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Agenda



### **1** Building our future

- 2 Business and financial details Q2 2018
- 3 Back-up

### **Our journey: Shaping LANXESS**





Resilience

Clear strategy accelerates transformation

Faster leverage of synergies

- Focus on high yield growth
   CAPEX projects
- Early exit of synthetic rubber\*:

Financials immediately strengthened again

Improved business and financial risk profile

## A lot has happened since last year! (1/2)



### Organic growth

- BU All: DCB\* capacity increase, Leverkusen
   MEA\* capacity increase, Brunsbüttel
   Menthol capacity increase, Uerdingen
- BU HPM: Compounding facility, Changzhou
   Compounding facility, Uerdingen
- **BU RCH**: Production line zinc oxide, Uerdingen
- **BU ADD:** New line lubricant additives, Mannheim



### **Portfolio management**

#### **2017**

- Divesture of chlorine dioxide business (BU MPP)
- Acquisition of biotech startup IMD Natural Solutions GmbH (BU MPP)
- **2018** 
  - Acquisition of Solvay's U.S. phosphorous additives
  - Announcement to divest remaining 50% in ARLANXEO



## A lot has happened since last year! (2/2)



### Restructuring

- Site Closures
  - Zárate / Argentina (BU LEA)
  - Rio Claro / Brazil (BU URE)
  - Ankerweg / Netherlands (BU ADD)
  - Reynosa / Mexico (BU ADD)

### Synergies

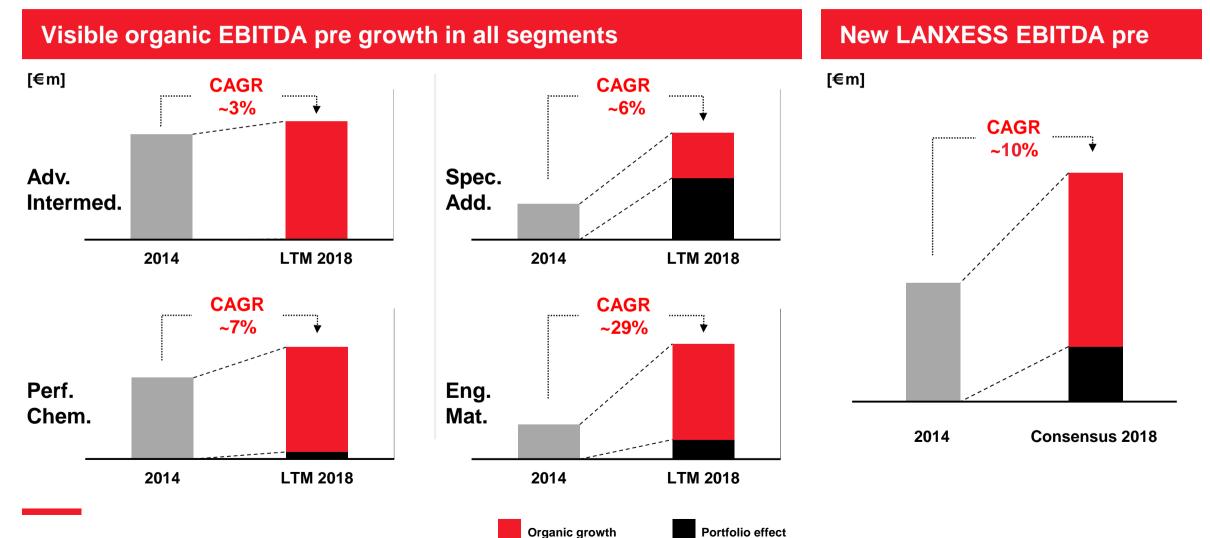
- Realization of Chemtura synergies ahead of plan
  - In 2017: ~€30 m mostly administrative synergies
  - Outlook for 2018: ~€30 m with operational impact



Solid foundation for the LANXESS platform

## New LANXESS with track record of organic growth





# Capital allocation priorities: Focus on deleveraging and building a superior growth platform



Capital allocation after receipt of cash						
Attractive growth	Deleveraging	Share buy-back				
<ul> <li>M&amp;A following our communicated financial matrix</li> <li>Investments into announced and new brownfield &amp; debottlenecking projects (until ~2021)</li> </ul>	<ul> <li>Funding of pension liabilities</li> <li>Gross debt reduction</li> </ul>	To be considered unless				
€400 – €X m	~€400 – €500 m					

Use of proceeds in line with investment grade commitment

## Chapter 3: More balanced and stronger platform along three key dimensions





### Balancing the ground for further growth

- Regionally balanced platform with no pronounced dependencies
- Diversified industrial platform mitigates impact from any individual industry's volatility
- Market positions in every business at least among leading players to keep or improve profitability level



th Chapter 3 will establish an even stronger platform

Chapter 1

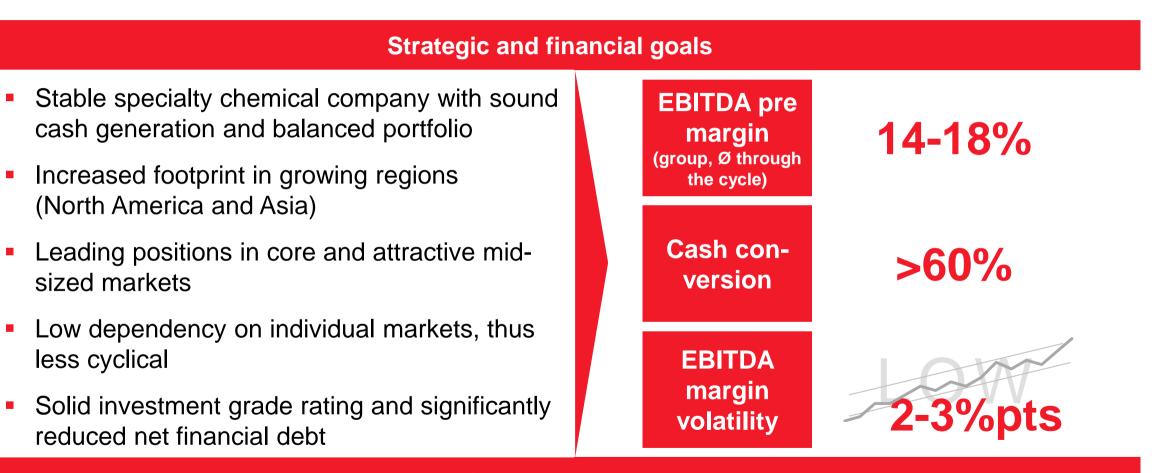
Chapter 2 Improve

**Chapter 3** 

Solid growth

## LANXESS' target 2021: Leading, balanced and strongly cash generative





Underlying growth: Sustainable >GDP growth targeted

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## The journey continues - exciting times ahead



AND REAL PROPERTY.

Solid platform	<ul><li>Business units leading in growing markets</li><li>Robust regional set-up</li></ul>	
Targeted growth	<ul> <li>Leveraging our efficient value chains with focus on higher value-add products</li> <li>Strong organic growth pipeline balanced over all segments - capital allocation with high reward but low risk</li> </ul>	<u>A communications</u>
Energizing Chemistry	<ul> <li>Team with proven race experience</li> <li>Keen on execution</li> <li>Building a more profitable and resilient LANXESS engine</li> </ul>	

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# Q2 2018 financial overview: Solid operational performance



[€m]	Q2 2017	Q2 2018	yoy in %
Sales	1,712	1,829	7%
EBITDA pre	280	290	4%
margin	16.4%	15.9%	
EPS (group)**	0.04	1.38	>100%
EPS pre* (group)**	1.54	1.77	15%
Capex	77	83	8%

[€m]	31.12.2017***	30.06.2018	Δ%
Net financial debt	2,252	2,633	17%
Net working capital	1,948	1,535	-21%

- Sales and EBITDA pre increase due to strong pricing and synergies, mitigated by FX
- EPS includes contribution of ARLANXEO
- Capex increase reflects investments in debottlenecking
- Net working capital reflects absence of ARLANXEO portion
- Seasonally higher net financial debt due to dividend, interest and bonus payments

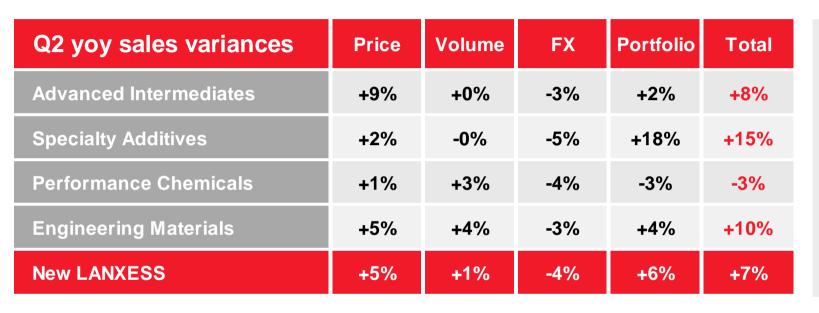
\* Net of exceptionals and amortization of intangible assets as well as attributable tax effects

\*\* Including 50% ARLANXEO

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\*\*\* Balance sheet items at 31.12.2017 include 100% ARLANXEO

# Q2 2018: Strong pricing and portfolio drive topline while FX headwind continues





- Strong sales growth due to successful raw material price passthrough (esp. BUs AII, ADD and HPM) and portfolio effect
- Overall slightly increased volumes





- EBITDA pre increase driven by successful price pass-through and synergies
- "Other" includes the positive portfolio effect, overcompensated by FX

# Q2 2018: Strong earnings growth and declining exceptionals



[€m]	Q2 2017		Q2 2018		yoy in %
Sales	1,712	(100%)	1,829	(100%)	7%
Cost of sales	-1,233	(-72%)	-1,332	(-73%)	-8%
Selling	-196	(-11%)	-212	(-12%)	-8%
G&A	-83	(-5%)	-69	(-4%)	17%
R&D	-29	(-2%)	-28	(-2%)	3%
EBIT	29	(2%)	159	(9%)	>100%
Profit from continuing operations	3	(0%)	97	(5%)	>100%
Profit from discontinued operations	11	(1%)	59	(3%)	>100%
Minorities	11	(1%)	30	(2%)	>100%
Net Income	3	(0%)	126	(7%)	>100%
EPS pre*	1.54		1.77		15%
EBITDA	137	(8%)	263	(14%)	92%
thereof exceptionals	-143	(-8%)	-27	(-1%)	-81%
EBITDA pre exceptionals	280	(16.4%)	290	(15.9%)	4%

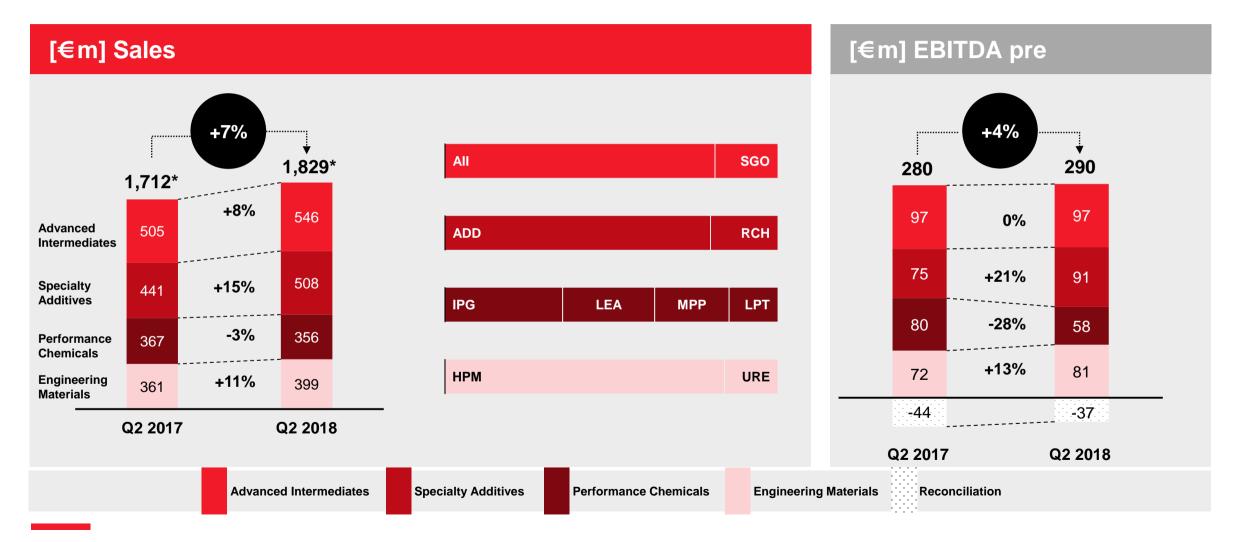
- Sales driven by price increase and acquired businesses, FX burdens
- Selling costs increase due to portfolio effect and higher freight costs
- Improved G&A costs reflect reclassification effect from discontinued operations
- Significant EBIT boost due to good performance and lower exceptionals
- Nice increase in EPS

#### Q2 result underlines New LANXESS' operational improvement

\* Net of exceptionals and amortization of intangible assets as well as attributable tax effects, including 50% ARL, according to discontinued operations reporting,

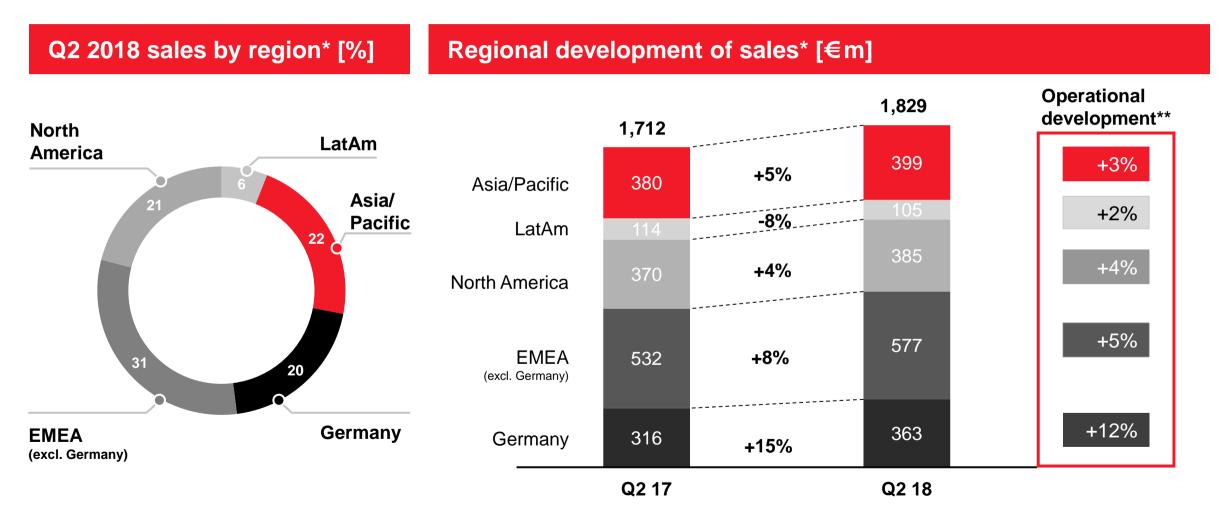
# Q2 2018: Strong sales and EBITDA pre growth in most New LANXESS segments





# Q2 2018: Increasing sales in most regions, FX limits growth especially in North and Latin America



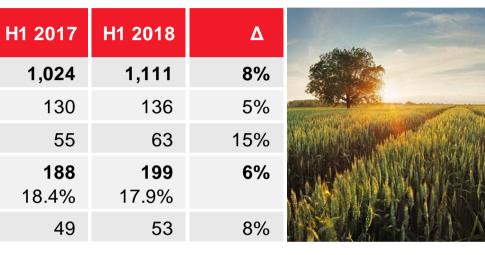


\* All figures are indicative only
 \*\* Currency and portfolio adjusted

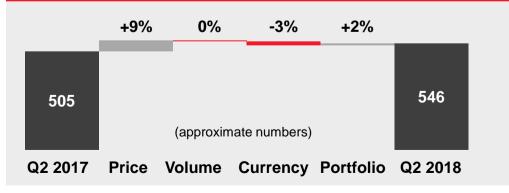
### **Advanced Intermediates: Stable on high level**



[€m]	Q2 2017	Q2 2018	Δ
Sales	505	546	8%
EBIT	65	65	0%
Depr./Amort.	29	32	10%
EBITDA pre exceptionals Margin	<b>97</b> 19.2%	<b>97</b> 17.8%	0%
Сарех	33	30	-9%



### Q2 sales bridge yoy [€m]



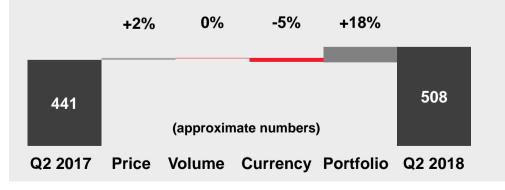
- Strong price development in both BUs
- BU All with successful raw material price pass-through
- Still declining volumes in BU Saltigo
- Segment stable on high level, despite agro weakness and ongoing FX headwind

## **Specialty Additives: Synergies start to materialize**



[€m]	Q2 2017	Q2 2018	Δ	
Sales	441	508	15%	
EBIT	-7	55	>100%	
Depr./Amort.	31	34	10%	
EBITDA pre exceptionals Margin	<b>75</b> 17.0%	<b>91</b> 17.9%	21%	
Capex	16	28	75%	

### Q2 sales bridge yoy [€m]



Δ	H1 2018	1 2017
48%	1,008	680
>100%	105	30
71%	65	38
45%	<b>172</b> 17.1%	<b>119</b> 17.5%
91%	44	23



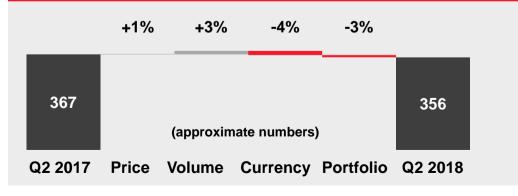
- Price increases due to successful raw material price passthrough
- Volumes on previous year's high level
- Improved EBITDA and margin due to pricing, portfolio effect and synergies, mitigated by FX development

## Performance Chemicals: Good performance at BUs MPP and LPT, LEA weaker than expected



[€m]	Q2 2017	Q2 2018	Δ	H1 2017	H1 2018	Δ
Sales	367	356	-3%	735	692	-6%
EBIT	-9	39	>100%	31	71	>100%
Depr./Amort.	25	19	-24%	44	38	-14%
EBITDA pre exceptionals Margin	<b>80</b> 21.8%	<b>58</b> 16.3%	-28%	<b>139</b> 18.9%	<b>110</b> 15.9%	-21%
Capex	15	16	7%	26	27	4%



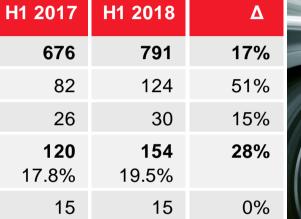


- Stable prices in all Bus, not fully reflecting raws price developm.
- Higher volumes in BU LPT and BU MPP, BU LEA (Zárate closure) declines
- Portfolio reflects disposal of chlorine dioxide business
- EBITDA, margins below except. high Q2'17 on ongoing low chrome price, raw material price pressure and FX

# **Engineering Materials: Strong price increase, but currency burdens**

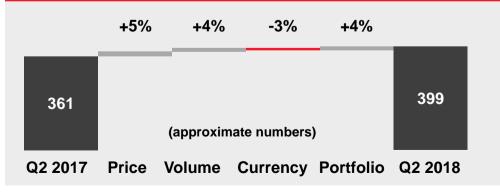


[€m]	Q2 2017	Q2 2018	Δ
Sales	361	399	10%
EBIT	45	66	47%
Depr./Amort.	15	15	0%
EBITDA pre exceptionals Margin	<b>72</b> 19.9%	<b>81</b> 20.3%	13%
Capex	10	9	-10%





### Q2 sales bridge yoy [€m]



- Strong price increase in both BUs offsetting raws price changes
- Higher volumes due to ongoing strong lightweight compound demand
- EBITDA and margin improvement driven by strong operational performance, good utilization, better mix
- FX and tight raw materials (TDI, MDI) burden BU URE. Whilst tightness worsens in Q3, relief expected in Q4

# Cash flow Q2 2018 driven by good operational performance mitigated by higher working capital





- Operating cash flow driven by good performance, mitigated by seasonally higher working capital
- Changes in other assets and liabilities driven by less exceptional items and variable compensation
- Investing cash flow:
  - 2017 reflects effects from Chemtura acquisition
  - Capex increases due to growth capex in debottlenecking
  - Mainly acquisition costs for Solvay's phosphorus additive business

## Balance sheet mirrors seasonal effects in Q2



[€m]	31.12.2017*	30.06.2018
Total assets*	10,411	10,540
Equity (incl. non-controlling interest)*	3,413	3,429
Equity ratio*	33%	33%
<b>Net financial debt</b> (after deduction of current financial assets)	2,252	2,633
Near cash, cash & cash equivalents	588	180
Pension provisions	1,490	1,329
Net working capital	1,948	1,535
DSI (in days)**	65	63
DSO (in days)***	51	47

- Stable total assets as ARLANXEO remains consolidated
- Net financial debt increases due to seasonally higher working capital, dividends and bonus payments
- Pension provisions decline despite lower German discount rate (from 2.0% to 1.75%) due to discontinued operations of ARLANXEO pensions
- Seasonally and raw material cost induced higher net working capital was compensated by ARLANXEO discontinued operations

## Line items reflect effects from accounting ARLANXEO as discontinued operations



[€m]	Dec 2017	Jun 2018		Dec 2017	Jun 2018
Non-current assets	6,454	4,688	Stockholders' equity	3,413	3,429
Intangible assets	1,784	1,737	attrib. to non-contr. interests	1,126	1,094
Property, plant & equipment	4,059	2,436	Non-current liabilities	4,540	4,726
Equity investments	0	0	Pension & post empl. provis.	1,490	1,329
Other investments	9	1	Other provisions	460	366
Other financial assets	20	25	Other financial liabilities	2,242	2,683
Tax receivables	20	11	Tax liabilities	134	105
Other non-current assets	562	478	Other liabilities	101	93
Current assets	3,957	5,852	Deferred taxes	113	150
Inventories	1,680	1,285	Current liabilities	2,458	2,385
Trade account receivables	1,316	948	Other provisions	525	391
Other current financial assets	7	60	Other financial liabilities	633	147
Other current assets	366	252	Trade accounts payable	1,048	698
Near cash assets	50	50	Tax liabilities	61	42
Cash and cash equivalents	538	130	Other liabilities	191	186
Assets from disc. operations	0	3,127	Liabilities from disc. operations	0	921
Total assets	10,411	10,540	Total equity & liabilities	10,411	10,540

**ARLANXEO's assets & liabilities grouped in discontinued operations** 

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ew ANXESS Y 2018	<ul> <li>FY 2018 EBITDA pre expected to increase 5 - 10% yoy (FY 2017: ~⊕25 m)</li> <li>Based on Q2, upper end of guidance expected</li> </ul>	
ANXESS	(FY 2017: ~€925 m)	

## Despite rising political risks, 5 - 10% EBITDA pre growth LANXE now expected at upper end

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Agenda



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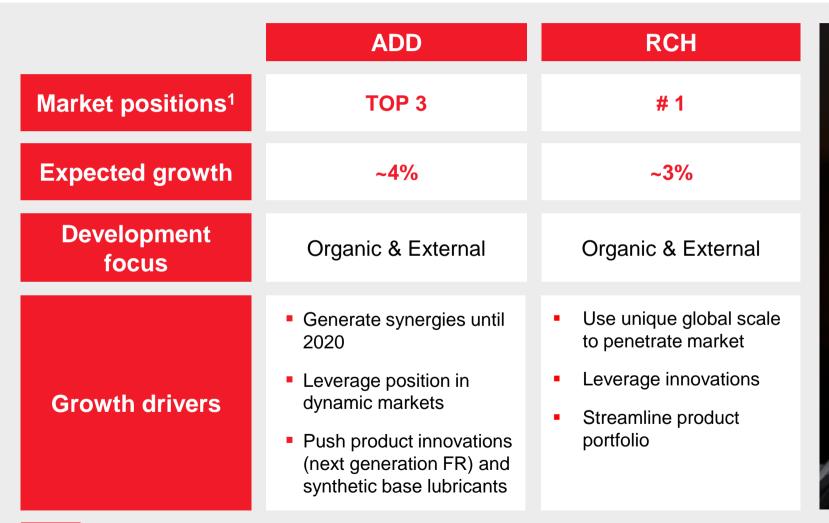
## **Backup - Group**

# Advanced Intermediates: Solid backbone with focus on organic growth

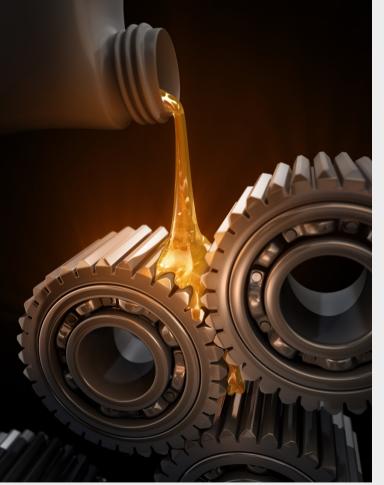




# Specialty Additives: Leading additives platform with broad expansion opportunities







## **Performance Chemicals: Expect structural changes!**



	IPG	LEA	MPP	LPT
Market positions <sup>1</sup>	# 1	TOP 2	TOP 3	TOP 3
Expected growth	~ 2%	1 - 2%	3%	4 - 10%
Development focus	Organic	Restructuring	Organic & external	Organic & External
Growth drivers	<ul> <li>Benefit from industry consolidation</li> <li>Further penetrate and develop North American market</li> </ul>	<ul> <li>Trimmed chrome value chain</li> <li>Potential partnerships</li> </ul>	<ul> <li>Expand and enrich regulatory organization to penetrate global markets</li> <li>Benefit from disinfection trends</li> </ul>	<ul> <li>Option to build-up production footprint (new assets) in North America or China</li> <li>Further develop high- value market applications</li> </ul>

# Engineering Materials: Leading players with clear strategy for market independent growth

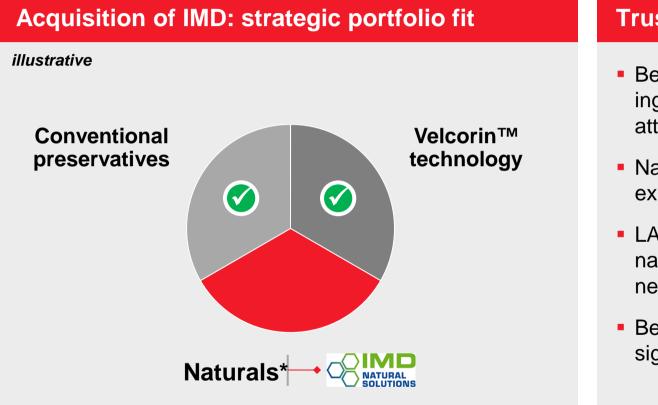


	НРМ	URE	
Market positions <sup>1</sup>	# 2 Europe	# 1	
Expected growth	~5%	~3%	
Development focus	Organic	Organic & external	
Growth drivers	<ul> <li>Lightweight trend and e-mobility</li> <li>Capital light compounding investments</li> <li>Continuous consumer product innovation in E&amp;E</li> </ul>	<ul> <li>Expand market share in Europe and Asia</li> <li>Leverage further product innovations (esp. on low- free isocyanate products)</li> <li>Benefit from automation trends</li> </ul>	



## **BU MPP: Complete supplier for beverage** preservation technologies





### **Trusted partner for a growing industry**

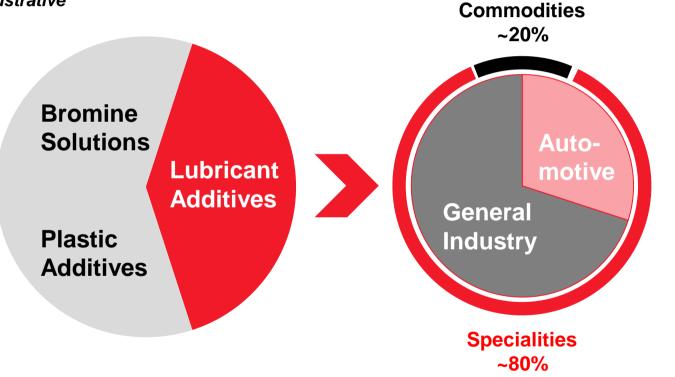
- Beverage manufacturers face trend towards natural ingredients: Natural and clean label become top attributes
- Natural options for flavors and sweeteners already exist, but there is a lack in natural preservatives
- LANXESS offers a well balanced portfolio with a natural preservation solution to meet various industry needs out of one hand
- Beverages with steadily growing end markets significantly above GDP

# Business Unit Additives with strong focus on high value-add industrial lubricant solutions



### Well diversified and specialized lubricants portfolio

Sales of Business Unit Additives - *illustrative* 



### A leading specialties player

- Highly diversified end-market split with focus on industrial lubricants
- Strong expertise in high value-add specialty lubricants
- Leading positions in midsized and niche markets
- Automotive exposure well balanced with additives and base stocks only for high grade specialty engine oils (highest category 4 & 5)

## Housekeeping items – New LANXESS



### **New LANXESS financial expectations**

- Capex 2018:
- Operational D&A 2018:
- Reconciliation 2018:
- Tax rate:
- FX sensitivity:

€450 m-€500 m

~€400 m

around previous year's level (~€150 m) lower end of 30%-35%

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



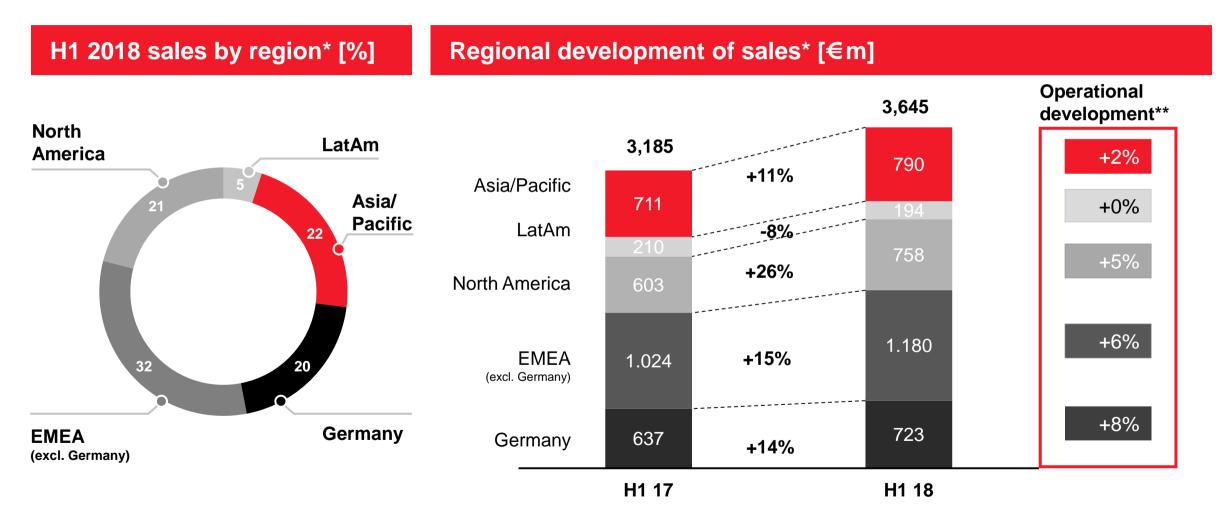
• IFRS 15 has been applied since January 1, 2018; no material impact on result



## Backup – H1 figures

# H1 2018: Increasing sales in most regions driven by portfolio and operational performance

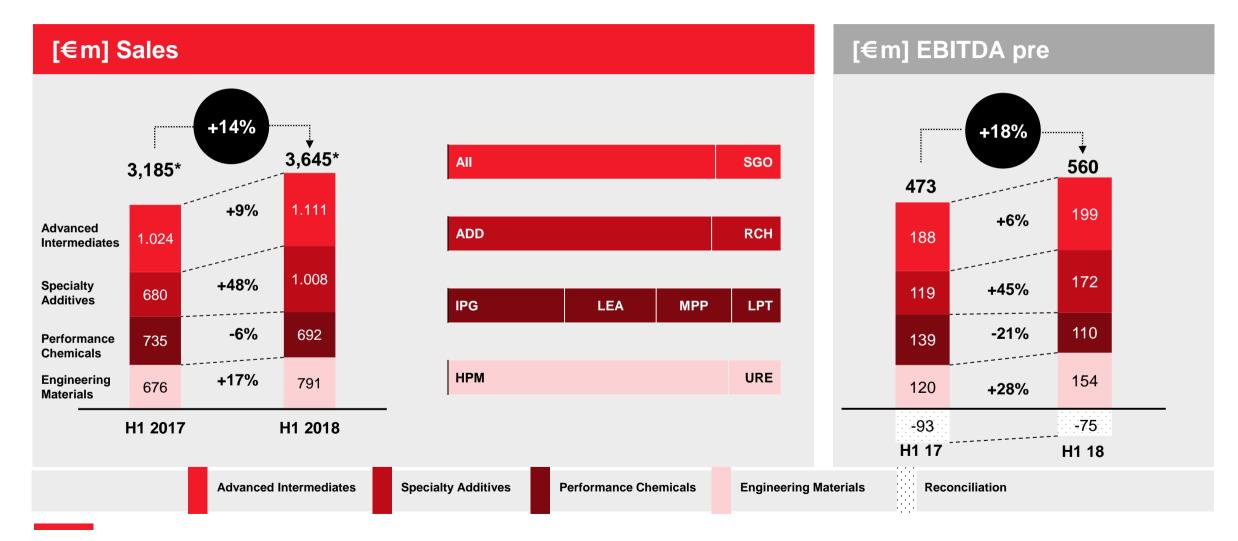




\* All figures are indicative only
 \*\* Currency and portfolio adjusted

# H1 2018: Strong sales and EBITDA pre development in most New LANXESS segments



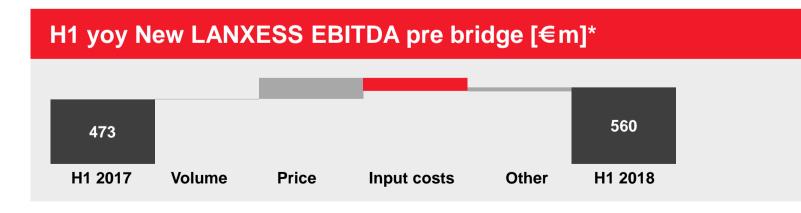


# H1 2018: Strong pricing and portfolio effect while volumes are stable versus a strong prior year base



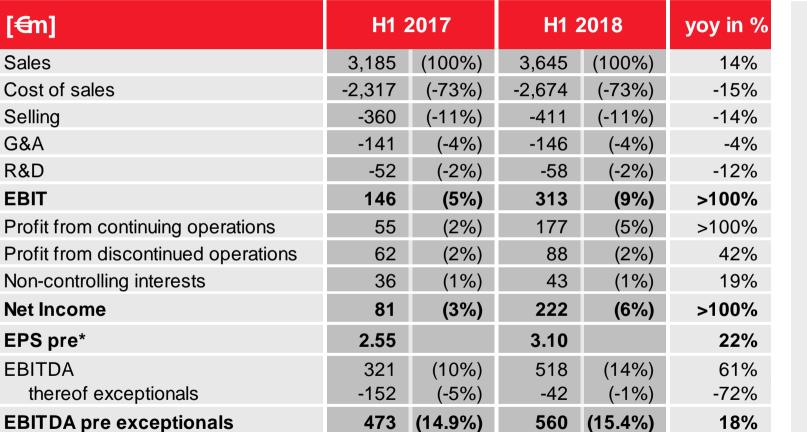
H1 yoy sales variances	Price	Volume	FX	Portfolio	Total
Advanced Intermediates	+9%	-1%	-4%	+4%	+9%
Specialty Additives	+2%	+1%	-5%	+50%	+48%
Performance Chemicals	+0%	+2%	-6%	-2%	-6%
Engineering Materials	+6%	+3%	-4%	+11%	+17%
LANXESS	+5%	+0%	-5%	+14%	+14%

- Strong sales growth due to successful raw material price passthrough (esp. BUs AII, ADD and HPM) and portfolio effect
- Overall stable volumes



- EBITDA pre increase driven by successful price pass-through and portfolio
- "Other" includes the positive portfolio effect, overcompensated by FX

# H1 2018: Strong earnings growth and declining exceptionals



- Sales driven by price increase and acquired businesses, FX burdens
- Significant EBIT boost due to good performance and lower exceptionals
- Nice increase in EPS

### H1 result reflects New LANXESS' good performance

\* Net of exceptionals and amortization of intangible assets as well as attributable tax effects; according to discontinued operations reporting, no ordinary

39 depreciation of ARLANXEO included

## **Operating cash flow in H1 2018 improved**



[€m]	H1 2017	H1 2018
Profit before tax	129	258
Depreciation & amortization	175	205
Financial (gain) losses	-3	25
Cash tax payments/refunds	-70	-61
Changes in other assets and liabilities	-10	-89
Operating cash flow before changes in WC	221	338
Changes in working capital	-155	-273
Operating cash flow (continuing operations)	66	65
Investing cash flow (continuing operations)	316	-194
Thereof capex	-117	-143
Thereof M&A	-1,782	-65
Thereof cash inflows from/cash outlows for fin. assets	2,276	1
Financing cash flow (continuing operations)	-35	-36

- Operating cash flow driven by good performance, mitigated by seasonally higher working capital
- Changes in other assets and liabilities driven by less exceptional items and variable compensation
- Investing cash flow:
  - 2017 reflects effects from Chemtura acquisition
  - Capex increases due to growth capex in debottlenecking
  - Mainly acquisition costs for Solvay's phosphorus additive business

## Significantly reduced exceptional items in 2018



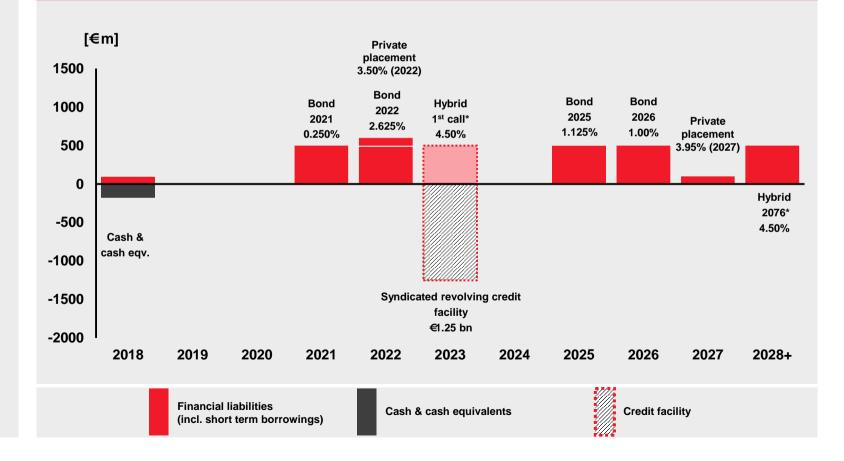
[€m]	Q2 2	2017	Q2 2018		H1 2017		H1 2018	
	Excep.	Thereof D&A	Excep.	Thereof D&A	Excep.	Thereof D&A	Excep.	Thereof D&A
Advanced Intermediates	3	0	0	0	3	0	0	0
Specialty Additives	57	6	2	0	57	6	2	0
Performance Chemicals	70	6	0	0	70	6	1	0
Engineering Materials	13	1	1	1	13	1	1	1
Reconciliation	14	1	25	0	23	1	39	0
Total	157	14	28	1	166	14	43	1



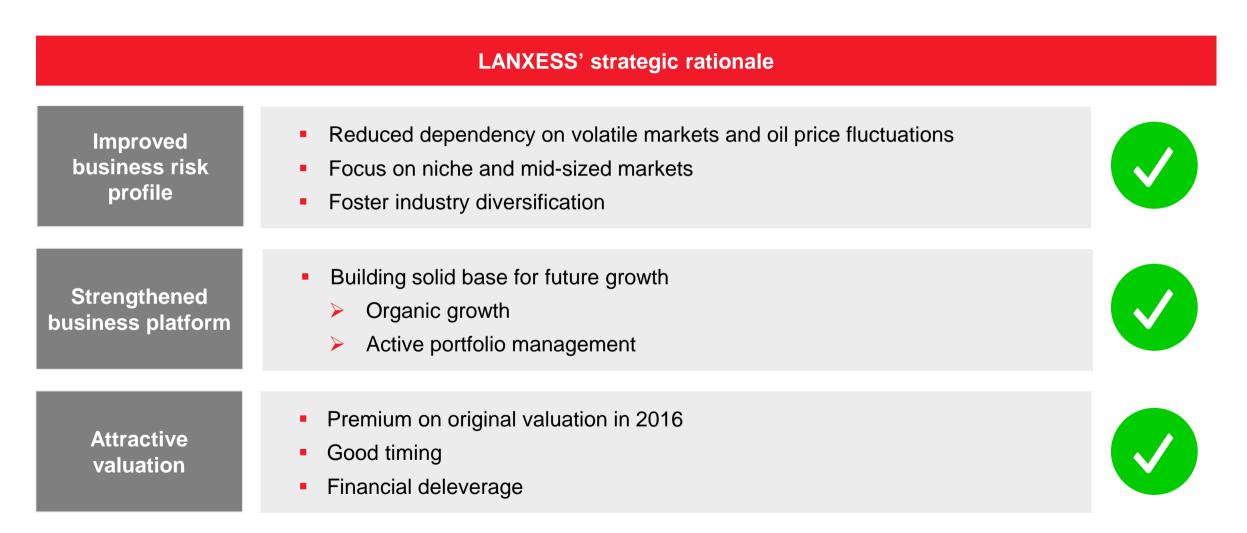
### Long-term financing secured

- Diversified financing sources
  - Bonds & private placements
  - Syndicated credit facility
- Average interest rate of financial liabilities <3%</li>
- Maturing €500 m bond refinanced in May 2018 with new bond maturing in 2025
  - €15 m saving p.a. in interest result
- All group financing executed without financial covenants

### Liquidity and maturity profile as per June 2018

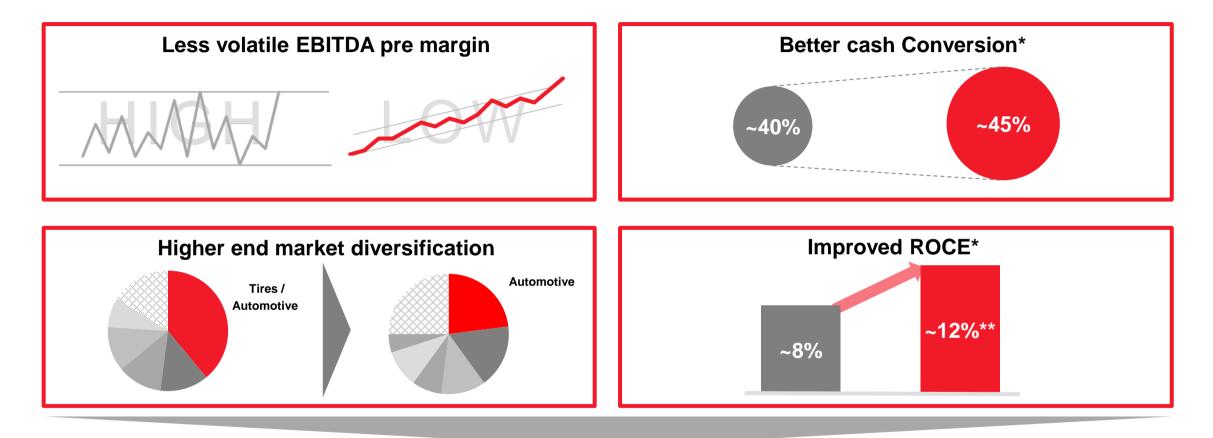


# Good for LANXESS: Earlier de-risking and intensified strengthening of LANXESS' platform



## LANXESS is more resilient without rubber business





### **Strengthening LANXESS' financial basis**

\* All figures are indicative only \*\* Excluding goodwill. Including goodwill ~10%

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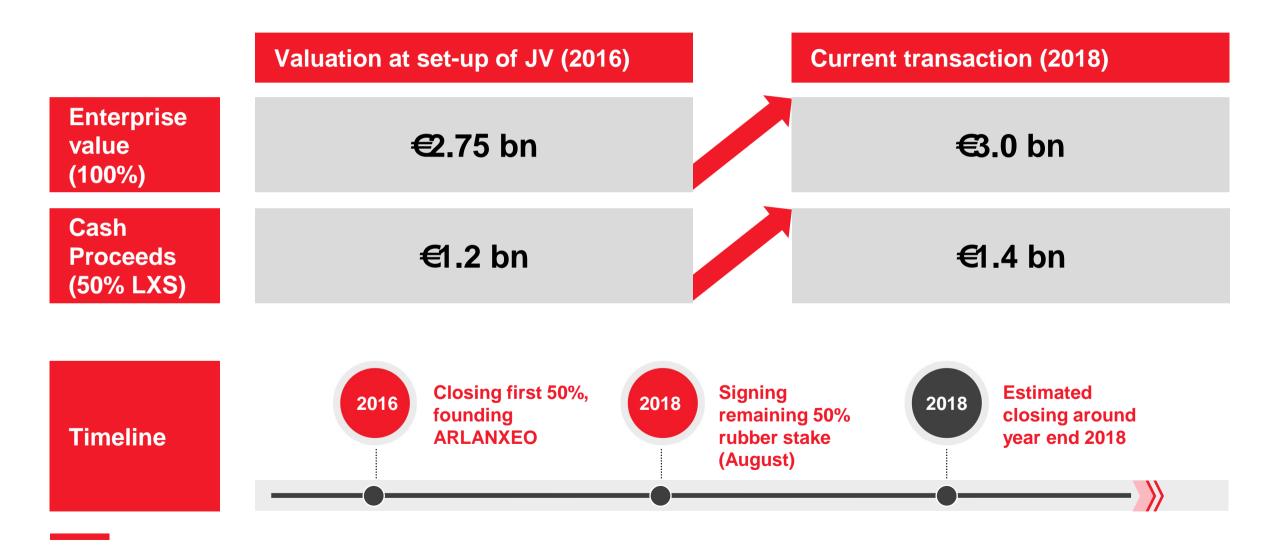
 ${\it ilde O}$  2013 -2017 LANXESS with ARLANXEO



Ø 2013 - 2017 LANXESS without ARLANXEO

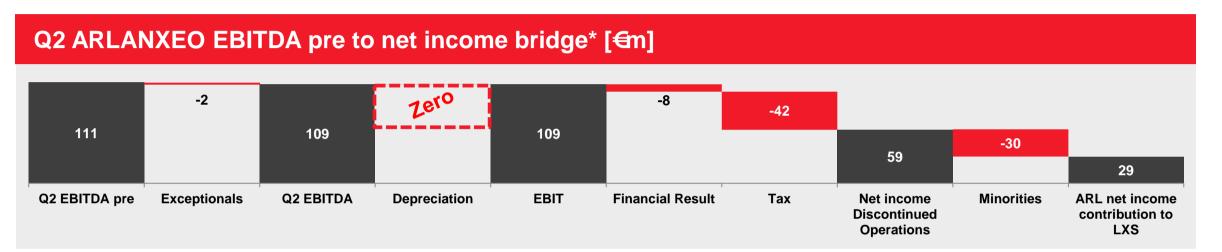
## **Attractive valuation**





## ARLANXEO delivers a solid result while IFRS accounting additionally boosts LANXESS' EPS





[€m]	Q2 2018*	Q2 2017	change yoy
Sales	776	811	-4%
EBITDA pre margin	<b>111</b> 14.3%	<b>87</b> 10.7%	28%
Depreciation	0	57	
EBIT	109	33	
Net debt incl pensions	~250		
Capex	33	28	18%



All figures are indicative only

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\* According to discontinued operations reporting, no ordinary depreciation of ARLANXEO



## Details on accounting for discontinued operations of ARLANXEO and for New LANXESS (starting Q2 2018)

#### **Income statement**

- A discontinued operation is reported as income separate from continued operations
- EPS from discontinued, continuing & total to be reported
- Restatement of previous years' figures

#### **Balance sheet**

- Line items "assets and liabilities held for sale and discontinued operations" will be shown under "current assets" and "current liabilities" respectively
- No restatement of previous years' figures

#### **Cash flow Statement**

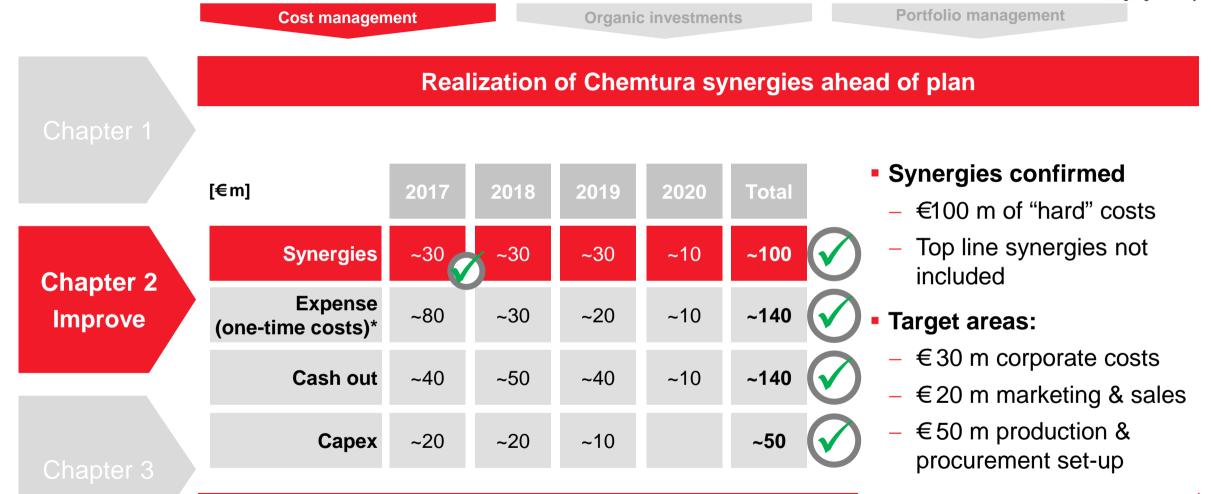
- Presentation of cash flows from discontinuing operations in one line item
- Restatement of previous years' figures

### ROCE

 ROCE definition will be adjusted for "continuing operations"

## Chemtura integration: €100 m of synergies by 2020





#### **Topline synergies provide additional comfort**

## LANXESS delivers on organic growth



**Portfolio management** Cost management **Organic investments** Organic investment program well on track Advanced Engineering Specialty Performance Intermediates **Additives Chemicals Materials** START -MOBILIT **Chapter 2** Improve ~€150 m €50 – 100 m €50 – 100 m €50 – 100 m Brownfield investments to Technology and Investment in Expansion of capital process upgrades and light downstream strengthen "Verbund" application technology platform and reinforce product development and customer solutions assets to further cost advantage improve product mix Total capex of ~€400 m 2016 - 2020 with expected Ø ROCE ~20%

## LANXESS delivers on organic growth

**Cost management** 



Organic investments

Portfolio management

Restructuring of Ongoing consolidation of global production set-up chrome chemicals (BU ADD, BU URE) activities (BU LEA) **Chapter 2** progressed **Chapter 2** Improve Acquisition of Solvay's Early divestiture of U.S. phosphorus synthetic rubber additives business (BU business announced ADD) (ARLANXEO) **Focused execution ongoing** 

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