



### LANXESS – Baader Investment Conference

Delivering operationally and executing on key strategic milestones

Investor Relations, 22. September 2022

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### Agenda

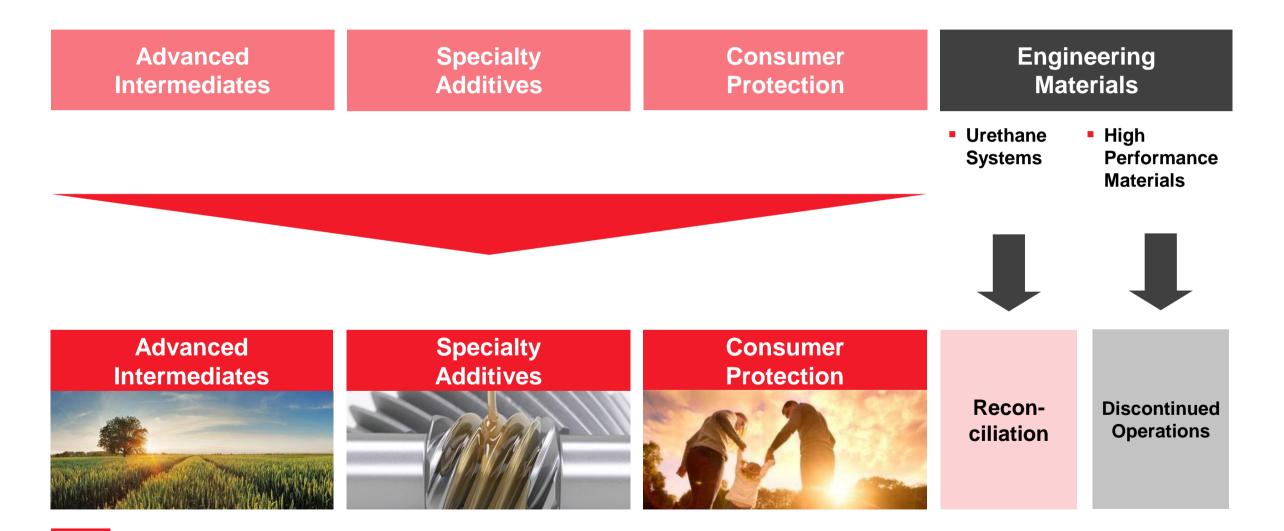
1 LANXESS toda	у
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- 2 Q2 review and financials
- 3 **Proactively managing risks**
- 4 **Growth opportunities**
- 5 Recent portfolio changes



## Reduction of complexity through portfolio changes leading to a new segment structure





### Monetization of BU HPM stake with attractive financials



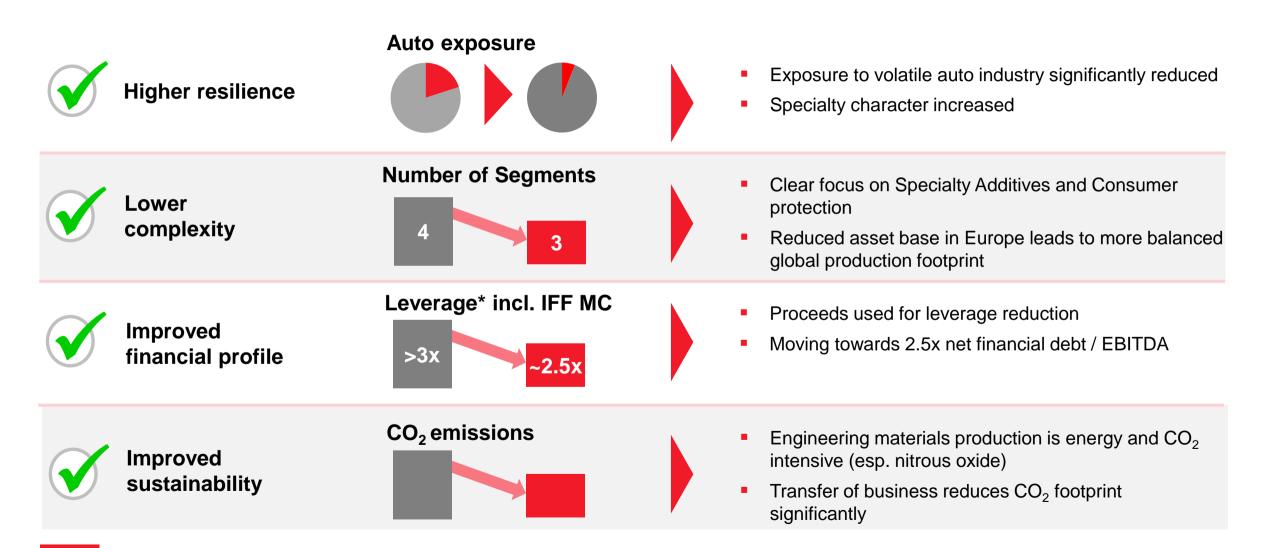
BU HPM Sales EBITDA pre	Multiple	Enterprise value	Use of proceeds	
~€1.5 bn* ~€210 m*	12x	<b>~€2.5 bn</b> Thereof cash	De- leveraging	
	IZX	proceeds of ≥€1.1 bn from first payment**	share buyback	

LANXESS entitled to receive a total of ~€2.5 bn in value; not yet reflected in market perceptions

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## LANXESS profile improves: more resilient, less complex, lower leverage, better ESG footprint





### Strong portfolio of attractive chemical businesses: Reduced complexity, higher margins, asset lighter





7 \*% of pro forma group EBITDA pre incl. full contribution from EKC and IFF MC, excluding Engineering Materials segment

## Executing on our strategy: Portfolio transformation strengthens our resilience and competitiveness



Reducing cyclical market exposure and becoming more  $( \mathfrak{O} )$ resilient Higher resilience Underperforming businesses divested - 6 transactions Acquisitions in the area of Consumer Protection – 5 transactions 2 **Focus on Americas** Ø Global Acquisitions reduce German production footprint footprint More balanced and optimized sales split **(C)** Upgrading financial profile with focus on de-leverage Improving and cash flow improvement financial Leverage addressed with sale of HPM profile Managing the controllables (ongoing)

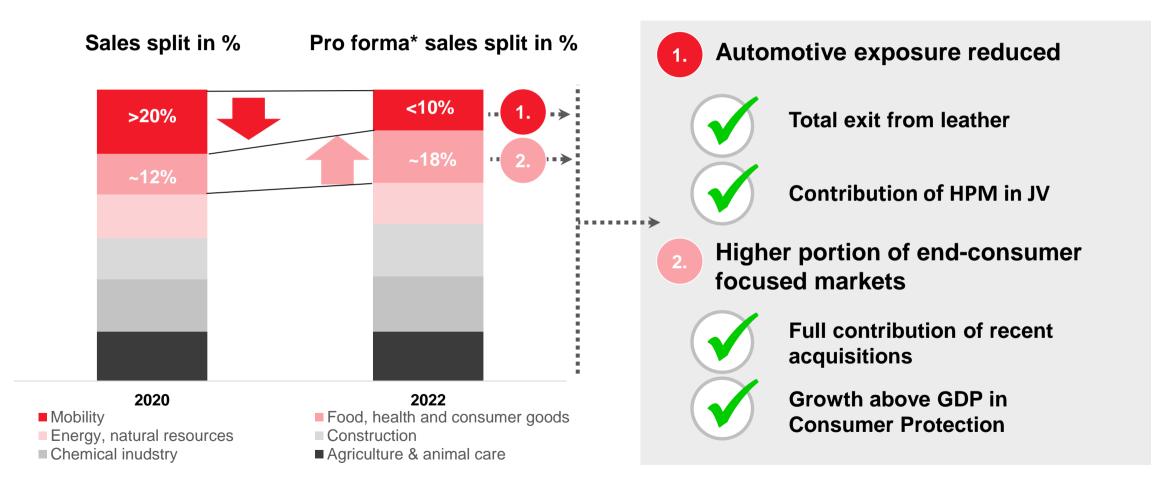
Less than 10% Auto exposure\*

#### Increase in US sales exposure

Commitment to solid investment grade

## Recent portfolio measures lead to a more balanced end-market exposure





### 2 Strengthened global footprint



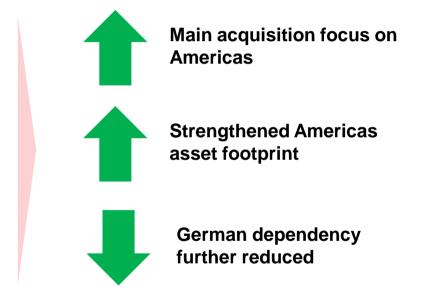
### CAPEX and M&A spending since 2017\*

In %



#### Portfolio transformation focus:

- Chemtura
- EKC
- IFF MC
- Bolt-ons

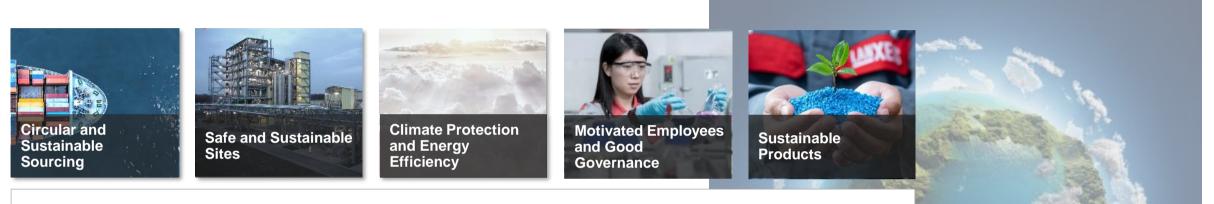


#### Germany Americas EMEA APAC

#### Global portfolio further balanced on basis of growth investments and M&A

## We have defined clear focus topics and objectives – aligned with societal goals and our strategic ambition





#### **Objectives**\*

- LANXESS to become climate neutral by 2040, -50% CO<sub>2</sub>e emissions by 2030 versus 2018
- LTIFR\*\* reduction of 50% to 1.0 in 2025 vs. 2016
- Increase proportion of women in management to 30% by 2030
- Reduction of absolute water withdrawal by 15% at water risk sites by 2023
- Increase in energy efficiency of 40% to < 1.24 (MWh/t) compared to base year 2015</p>

Ambition: LANXESS as a leading, resilient, sustainable, and profitable company

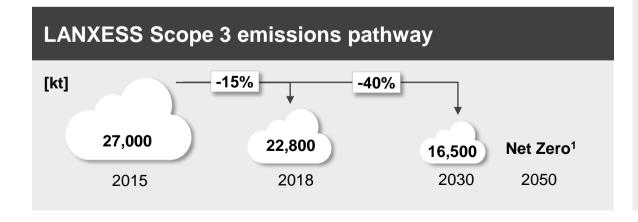
### LANXESS enhances climate strategy by adding Scope 3 reduction target and gaining SBTi approval



### Net Zero Value Chain

- Newly set Scope 3 emission reduction target
- Approved by SBTi





### LANXESS climate strategy

### 2019: "Climate Neutral 2040" with roadmap for Scope 1+2 emissions reduction

- Realize major impact projects for climate protection
- Decouple emissions and growth
- Pursue technological innovations

#### 2022: "Net Zero Value Chain" strategy to reduce Scope 3 value chain emissions

- Use of sustainable raw materials
- Transition to green logistics
- Increasingly offer low-carbon and climate-neutral products

### Leading ESG rating providers honor our performance

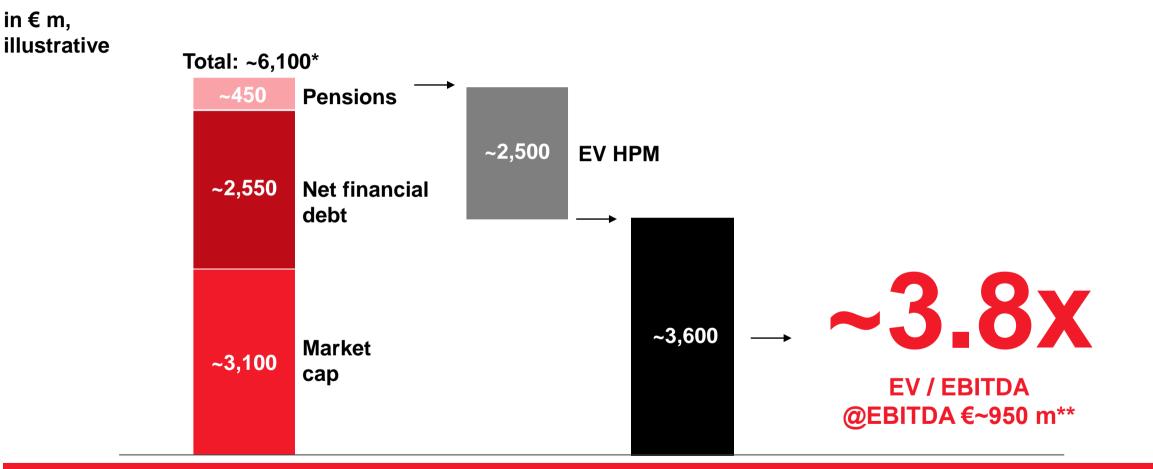






## Comparing valuation pre and post deal points to underappreciated transformation





#### Multiple decreases to only 3.8x EV/ EBITDA after exit from HPM showcases valuation gap

\* Excl. IFF MC, Market Cap on basis of closing price 3.08.2022 \*\* Referring to midpoint of guidance between €900 m and €1,000 m for FY 2022 which excludes HPM and includes 6 months of IFF MC

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## In a nutshell: Five of the most striking reasons to invest







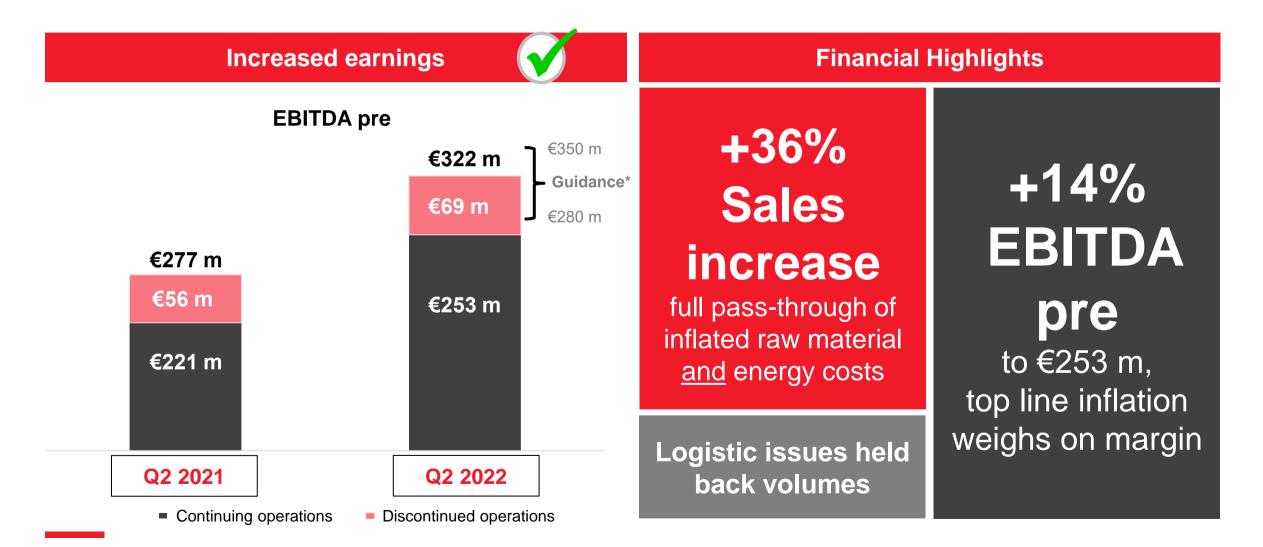
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### Q2 2022: Guidance achieved





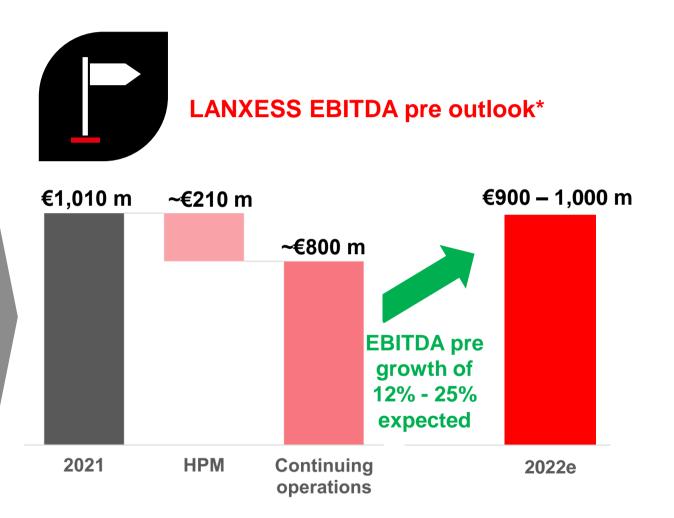
## Guidance for FY 2022 confirmed, based on current market data





#### **Current view on economy**

- Continuously high level of energy and raw material costs
- Ongoing disruptions in global supply chains and logistic constraints
- Increasing pressure from general inflation on global demand



## Q2 2022: Next strategic steps towards specialty chemicals executed



### **Highlights and challenges**

- Acquisition of IFF's microbial control: closed on 1<sup>st</sup> July
- A leading global JV for high performance engineering polymers agreed with Advent (HPM team up with DSM)
- Reduction of complexity through portfolio changes (leading to a new segment structure)
- Strong growth in Specialty Additives and Consumer Protection
- ✓ SBTi approved 1.5° climate path and Scope 3 targets
- A Ongoing logistic constraints held back volumes
- A Inflationary environment continues

### LANXESS Group: Further increase in EBITDA pre



## Full pass-through of input costs

[€ m]	Q2/2021	Q2/2022	Δ	1H 2021	1H 2022	Δ
Sales	1,469	1,999	36%	2,841	3,930	38%
EBITDA pre	221	253	14%	414	515	24%
Margin	15.0%	12.7%		14.6%	13.1%	
CAPEX	82	92	12%	143	151	6%

Price Volume +26% -6%		
To Q2 Sales vs. PY	otal -	<b>⊦36</b> %

- Significant sales increase in all segments driven by continued successful pass-through of higher raw material and energy prices, additionally supported by portfolio and FX
- Higher EBITDA pre results from strong contribution of Specialty Additives and Consumer Protection; logistic constraints held back volumes
- Full pass-through of inflated input costs and lower volumes impacted margins



## Advanced Intermediates: Soft result despite price Lapass-through

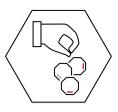


### Volumes held back by various logistic limitations

[€ m]	Q2/2021	Q2/2022	Δ	1H 2021	1H 2022	Δ
Sales	466	587	26%	918	1,200	31%
EBITDA pre	91	74	-19%	161	161	0%
Margin	19.5%	12.6%		17.5%	13.4%	
CAPEX	28	19	-32%	48	37	-23%

Price Volume +29% -8%	_	
To Q2 Sales vs. PY	otal +	<b>26</b> %

- Sales increase driven by higher prices due to raw material and energy price pass-through in both BUs, positive FX
- Logistic constraints burden volumes especially in BU IPG
- EBITDA pre and margin impacted by time lag in price pass-through and lower utilization on planned maintenance turnarounds in BU AII



## Specialty Additives: Earnings benefit from continued price catch-up



### All BUs contribute, BU PLA delivers especially well

[€ m]	Q2/2021	Q2/2022	Δ	1H 2021	1H 2022	Δ
Sales	568	764	35%	1,085	1,494	38%
EBITDA pre	89	134	51%	163	270	66%
Margin	15.7%	17.5%		15.0%	18.1%	
CAPEX	24	24	0%	40	37	-8%

Price	Volume	FX	Portfolio
+26%	-5%	<b>+10</b> 9	<b>~ +4</b> %
	То	otal -	<b>⊦35</b> %
Q2 Sales	vs. PY		

- Improved sales in all BUs, driven by strong pricing and FX
- Volumes remain on high level compared to strong previous year base but continuously held back by logistic constraints
- Ongoing recovery in aviation and oil & gas industry
- Continued price catch-up and positive FX development supports EBITDA pre and margin increase



## **Consumer Protection: Portfolio effect shapes results**



# BUF&F integration<br/>well on track[€ m]Q2/2021Q2/2022Sales366558EBITDA pre7190Margin19.4%16.1%

[€ m]	Q2/2021	Q2/2022	Δ	1H 2021	1H 2022	Δ
Sales	366	558	52%	707	1,064	50%
EBITDA pre	71	90	27%	147	176	20%
Margin	19.4%	16.1%		20.8%	16.5%	
CAPEX	16	36	125%	30	59	97%

Price	Volume	FX	Portfolio
+22%	-5%	<b>+4</b> %	+31%
	Тс	otal 4	-52%
Q2 Sales	vs. PY		

- Significant sales increase due to portfolio, successful pricing and FX
- Volumes impacted by logistic challenges
- Increased EBITDA pre due to successful pricing and contribution from acquired EKC business
- Margin held back by lower volumes and energy price driven top line inflation

## P&L Q2: Successful pass-through of higher input costs - ongoing logistic constraints and lower volumes burden

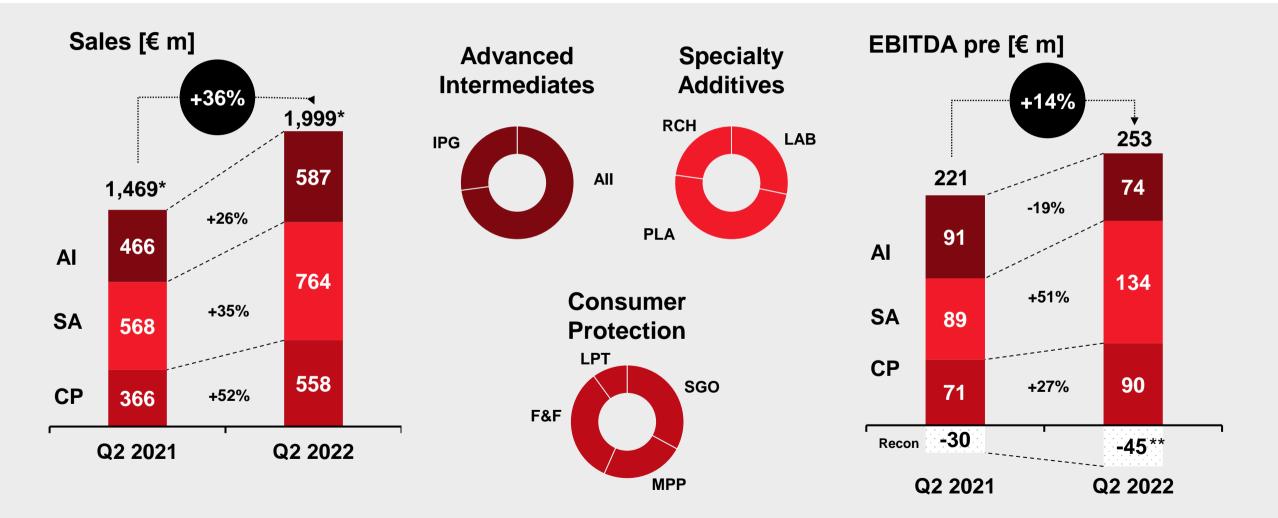


[€ m]*	Q2/2021		Q2/2022		yoy in %
Sales	1,469	(100%)	1,999	(100%)	36%
Cost of sales	-1,082	(-74%)	-1,515	(-76%)	40%
Selling	-192	(-13%)	-241	(-12%)	26%
G&A	-62	(-4%)	-71	(-4%)	15%
R&D	-23	(-2%)	-26	(-1%)	13%
EBIT	84	(6%)	97	(5%)	15%
Net Income (cont.)	47	(3%)	48	(2%)	2%
EPS pre (cont.)	1.02		1.05		3%
EBITDA	191	(13%)	229	(11%)	20%
thereof except.	-30	(-2%)	-24	(-1%)	-20%
EBITDA pre except.	221	(15%)	253	(12.7%)	14%

- Successful pass-through of increased input costs. However, margin impacted by lower utilization and arithmetic effect
- Rising selling expenses result from ongoing higher logistic costs and portfolio effect
- Increase in G&A due to portfolio and FX effect

### Q2 2022: Significant sales improvement in all segments



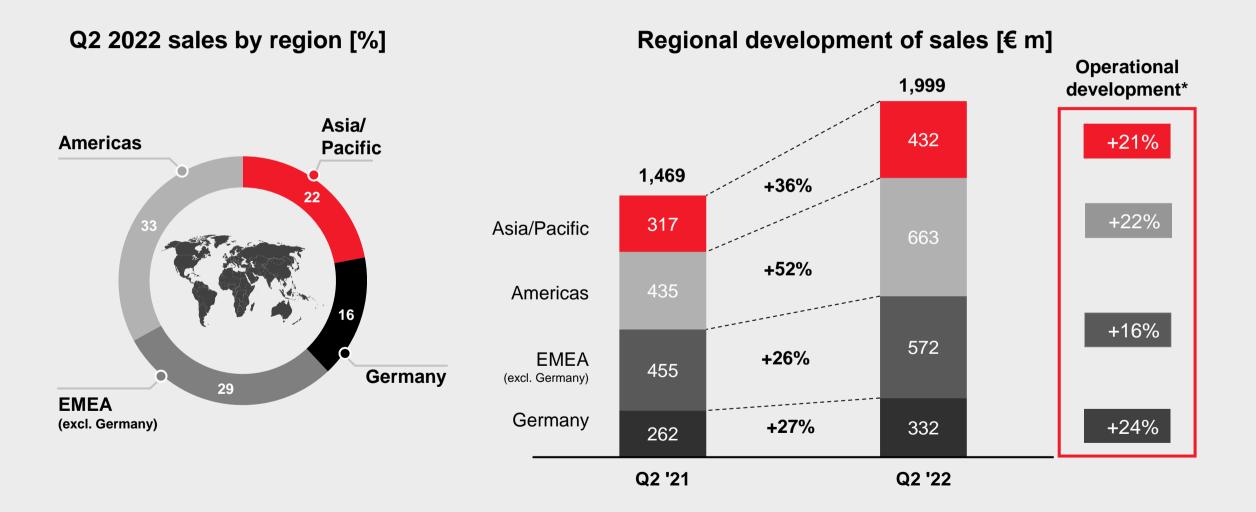


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\*\* Lower result due to hedging and inflated costs due to higher USD

### Q2 2022: Strong price-driven growth in all regions





## Improved operating cash flow despite outflow from change in working capital



[€ m]*	Q2/2021	Q2/2022	Δ
Profit before tax	67	67	0
Income taxes paid	-9	27	36
Changes in other assets and liabilities	-76	-18	58
Oper. CF before $\Delta$ in W/C	100	236	136
changes in working capital	-99	-86	13
Operating cash flow	1	150	149
Investing cash flow	192	47	-145
thereof capex	-82	-92	-10
thereof net invest in money markets	260	134	-126

- Operating cash flow significantly increased
- Continued reimbursement of prepaid taxes
- Factoring of €95 m mitigates outflow from price driven working capital increase
- Change in investing cash flow due to lower net proceeds from money market products

## Portfolio and FX effects reflected in balance sheet items



[€ m]	31.12.2021	<b>30.06.2022</b> <sup>1</sup>
Total assets	10,518	11,820
Equity	3,762	4,517
Equity ratio	36%	38%
Net financial debt <sup>2</sup>	2,245	2,547
Liquidity <sup>2</sup>	1,234	1,720
Pension provisions	877	461
Net working capital	1,675	1,891
DSI (in days) <sup>3</sup>	71	78
DSO (in days) <sup>3</sup>	45	43

- Increase in total assets driven by higher working capital, FX and strengthened liquidity position
- Higher equity reflects positive net income and OCI effects (mainly FX and pensions)
- Higher financial debt due to increased working capital and dividend payment
- Reduced pension provisions due to interest rate increases

BU HPM accounted as "discontinued operations": Assets & related liabilities of BU HPM summarized in one line item only and no longer included in presented line items (except total assets, equity)

2 Including cash, cash equivalents, near cash assets, short-term money market investments

3 Days sales of inventory / sales outstanding calculated from quarterly sales

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### Housekeeping items 2022



Capex 2022 **Reconciliation 2022** Underlying tax rate Exceptionals 2022 FX sensitivity Book Value BU HPM €1,253 m assets (30.06.2022)

- ~€450 m (incl. IFF MC and excl. HPM D/O)
  - ~€180 m reflecting contribution from BU URE offset by hedging and inflated costs due to higher USD
- ~28%

### ~€100 m based on current initiatives

- One cent change of USD/EUR resulting in **~€7 m** EBITDA pre impact before hedging
- €369 m liabilities

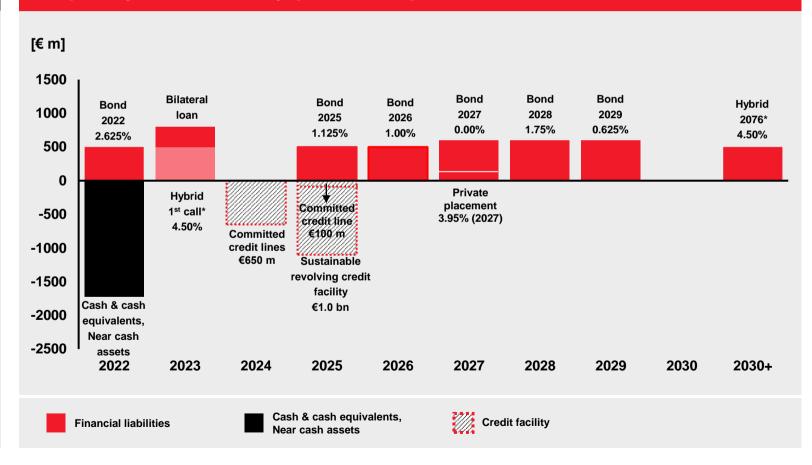
## LANXESS maturity profile actively managed and well balanced



### Long-term financing secured

- Diversified financing sources
  - Bonds & private placements
  - Undrawn sustainable revolving credit facility
  - Undrawn committed credit lines
- Average interest rate of financial liabilities ~1.5%
- Maturities in 2022:
  - Bond in November
- All group financing executed without financial covenants

### Liquidity and maturity profile as per June 2022



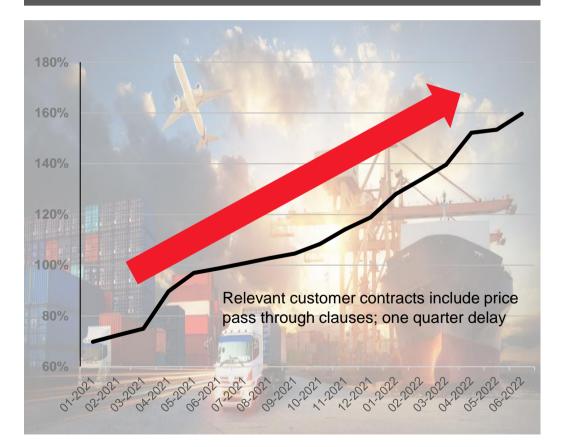
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### **Unprecedented rise in input costs**

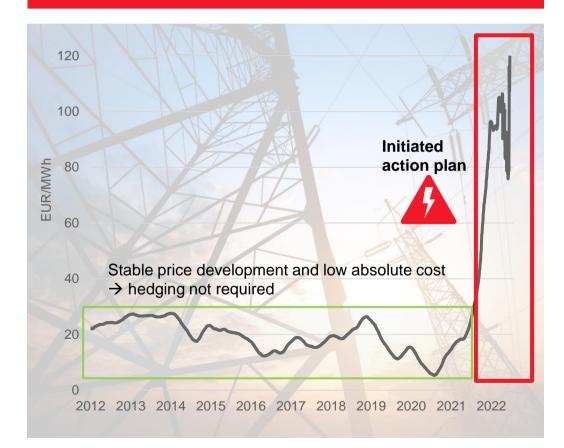


#### Sharp increase in raw material costs\*



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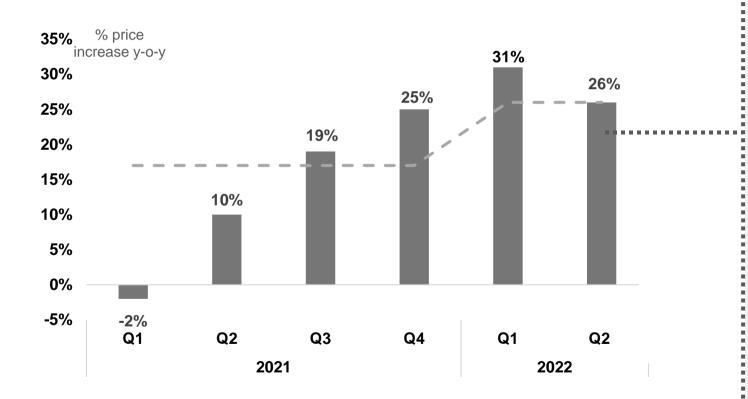
#### Gas price\*\* as high as never seen before



## We are managing inflationary input costs by continuous push for price increases



#### 2022 price increases reflect pass on of raw & energy costs



- Raw material prices are fully forwarded to customers with a typical time lag of one quarter
- Energy prices fully passed on since Q4 2021
- Inflationary environment leads to higher working capital and therefore burdens operating cash flow

## Potential gas embargo could be tackled by reduced output of some specific gas intensive plants





### Moderate direct impact on major German sites

#### Situation at sites in North Rhine-Westphalia\*:

- Mainly steam and electricity needed for production. Both are based on gas or coal (sourced from CURRENTA)
- LXS / CUR are not directly supplied by Russian gas. However, embargo of Russian gas leads to undersupply in Germany (35-50% sourced from Russia) and would reduce supply of steam at LXS sites
- LXS energy costs: only 40% depend on gas in Germany
- Embargo of Russian oil: not an issue

#### Potential consequences:

Electricity: Not an issue, replaceable from grid

**Steam**: An embargo of Russian gas only leads to a modest direct impact (see following analysis)

## Reduced production in 4-5 out of 53 plants could offset Russian gas embargo\*



#### Russian gas embargo should be manageable

plant	steam demand [t/h]	profitability contribution	necessary action
Plant 1	high	modest	shutdown
Plant 2	high	modest	reduced output
Plant 3	high	modest	reduced output
Plant 4	high	modest	reduced output
Plant 5	medium	modest	reduced output
Plant 6	medium	high	continued operation
Plant 7	medium	high	continued operation
			continued operation
Plant 52	low	high	continued operation
Plant 53	low	high	continued operation

Uerdingen Dormagen

Leverkuser

#### Estimated direct EBITDA effect: €80-120 m p.a. – indirect effects not quantifiable

## LANXESS manages financial risks proactively and successfully





#### Strong liquidity position

- Cash\*: €1,720 m in Q2 2022
- RCF: €1 bn (undrawn, no financial covenants)
- Committed credit lines: €750 m (undrawn)

2

### Leverage

### Maintaining investment grade rating

 Leverage clearly limited by commitment to solid investment grade rating



(3)

Cash Flow



Eneraizina Chemist

Burdened cash flow on basis of inflationary environment

#### **Risk measures**

- Careful evaluation of different scenarios and stress tests
- Daily cash monitoring
- Interest rate hedging for next bond maturity in November 2022

#### Risk measures

- Focus on deleveraging and sale of assets (see HPM JV)
- Increasing EBITDA will support deleveraging

#### Countermeasures

- Focus on WC management
- Exceptionals will ease in 2023 (e.g. less M&A, SAP upgrade realized)
- Rigorous CAPEX review and reflecting HPM deal

## <sup>3</sup> We are working on all possible levers to improve cash flow



	2022	Following years
EBITDA pre	<ul> <li>Contribution from organic growth &amp; acquisitions</li> <li>Higher specialty business due to portfolio optimization</li> </ul>	<ul> <li>Higher margin business</li> </ul>
Exceptionals	<ul> <li>Lower M&amp;A activity</li> <li>Less cost for digitalization &amp; restructuring</li> </ul>	Further reduction
W/C	Release once input costs normalize	<ul> <li>Inflow, Disciplined</li> <li>WC management</li> </ul>
CAPEX	<ul> <li>Reflecting HPM carve out</li> </ul>	<ul> <li>Prudent CAPEX spending</li> </ul>

Multiple levers over mid-term to improve cashflow

### Agenda

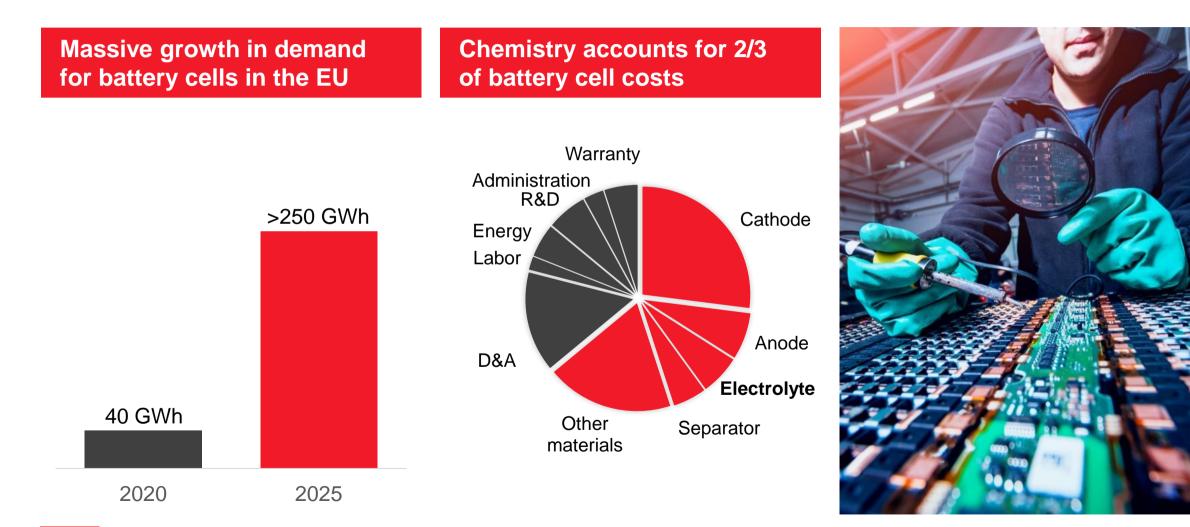
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## EU market for battery chemicals to grow to over EUR 10 billion by 2025

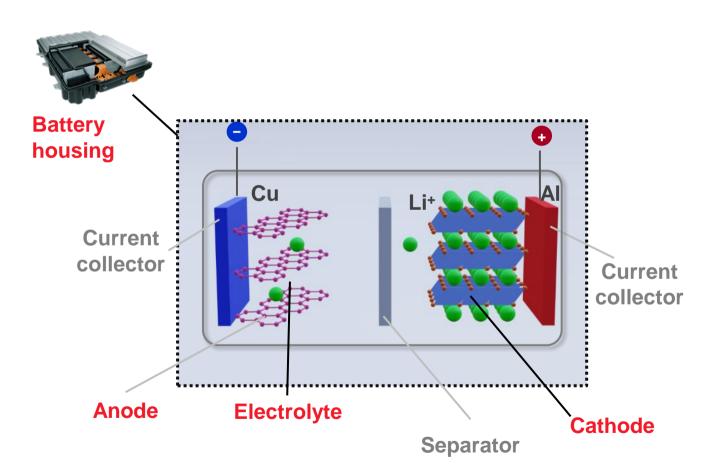




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### LANXESS offers key products for Li-Ion batteries





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#### **Battery housing**

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

#### Electrolyte

- Key materials (Hydrofluoric acid, phosphorus chemicals) for electrolyte salt (LiPF<sub>6</sub>) (BU AII/BU PLA)
- Flame retardants (BU PLA)

#### Cathode & Anode

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

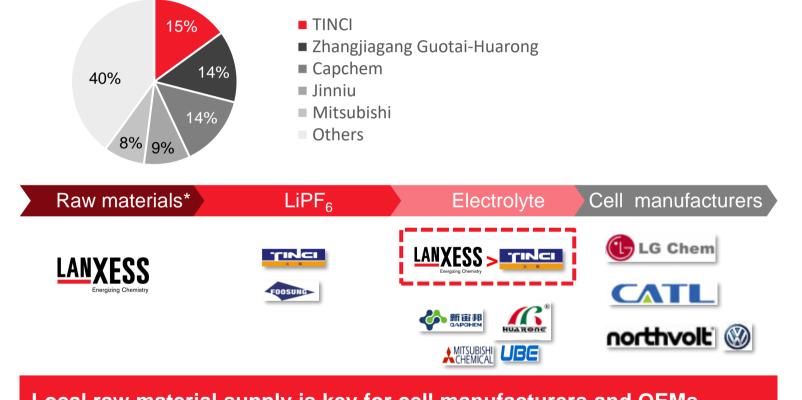
## LANXESS starts electrolyte production for Li-Ion batteries in cooperation with market leader TINCI



#### **Partnership with TINCI**

- TINCI (Chinese Guangzhou Tinci Materials): a leading manufacturer for battery materials and the largest electrolyte producer worldwide
- Saltigo starts electrolyte production for TINCI in its hightech plant in Leverkusen (Germany) early 2022

#### TINCI with leading position in fragmented electrolyte market\*



Local raw material supply is key for cell manufacturers and OEMs

## Digital trading at CheMondis is booming – first online marketplace for Chemicals





CheMondis

- B2B platform for chemical products
- Profound chemical expertise, high technological skillset
- Clear customer and market focus
- CheMondis operates fully independent with own organization, own systems and own market presence

Unbroken demand for digital sales within the chemical industry

CheMondis services cover value chain including the order fulfillment

Strong competitive positioning exploiting monetization options across whole value chain



Traction on platform grows exponentially – More than 10,000 companies registered



First monetization products and payment services successfully launched

### Agenda

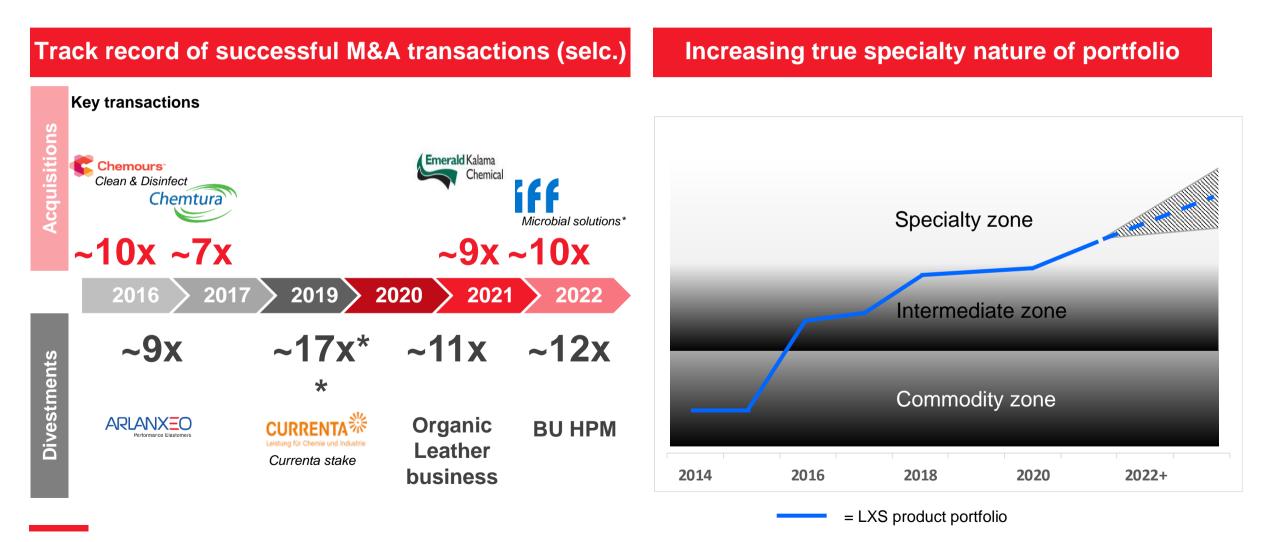
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## Improving our financial profile via active portfolio management





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## Formation of a powerful plastics JV immediate cash-in and clear exit determined



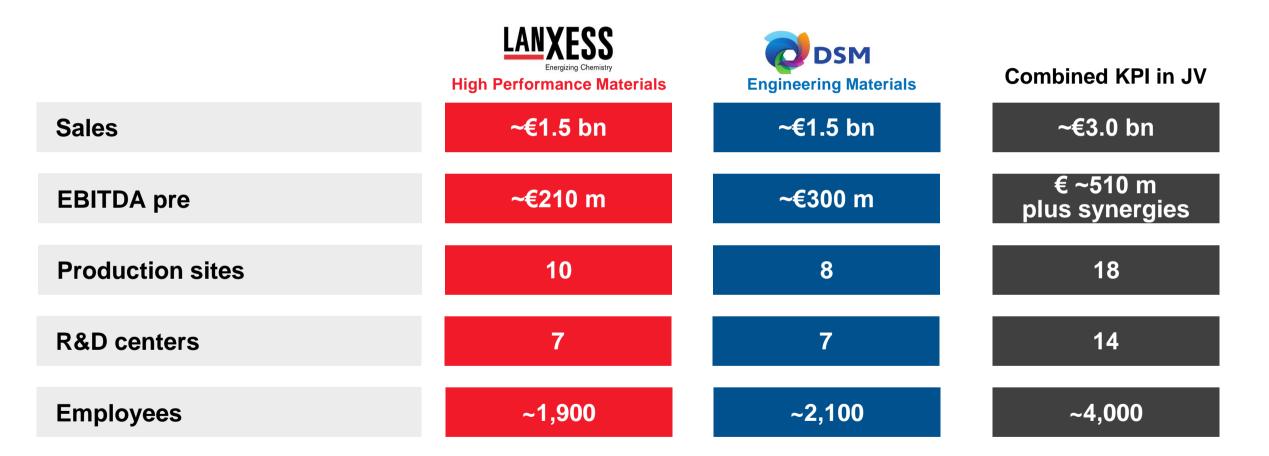


- Immediate cash-in of at least €1.1 bn
- LANXESS has exit possibility:
  - Earliest exit possibility after 3 years
  - Fixed multiple for complete exit offers upside due to synergies
- Closing & deconsolidation of BU HPM expected H1 2023\*

LANXESS retains exit option for ≤40% ownership in JV

### HPM Deal HPM & DEM: Bringing together two strong global Engineering materials players



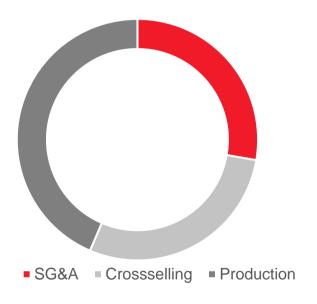


LANXESS to own ≤40% in Joint Venture with combined EBITDA: ~€510 m plus synergies

## Combining HPM & DEM offers massive synergy potential



### Synergies based on highly complementary businesses



- Portfolio combinations
- Overlap of HPM with DEM Specialty business (Procurement, compounding)
- Cross-Selling
- Optimization of PA6 Polymerization in EMEA



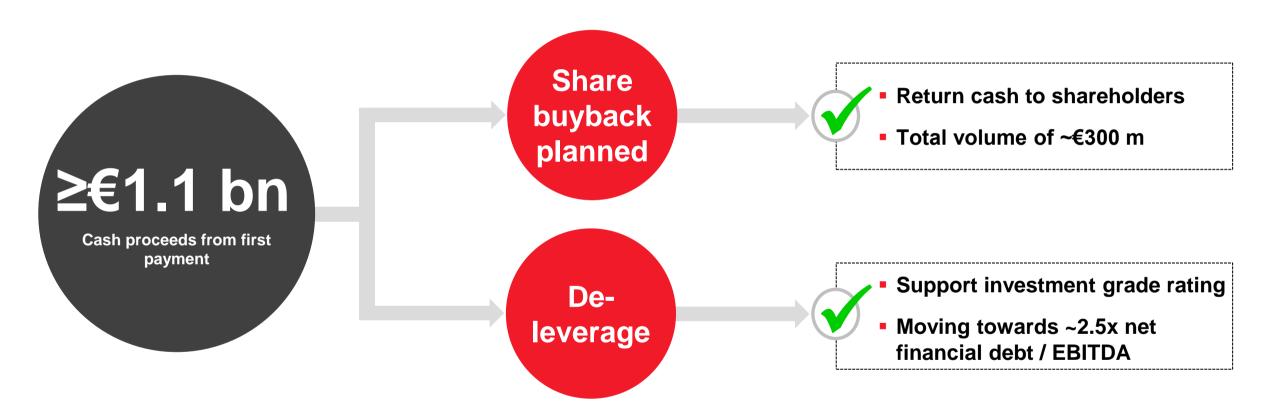


**Engineering Materials** 

HPM Deal

### Use of proceeds in line with capital markets' interests

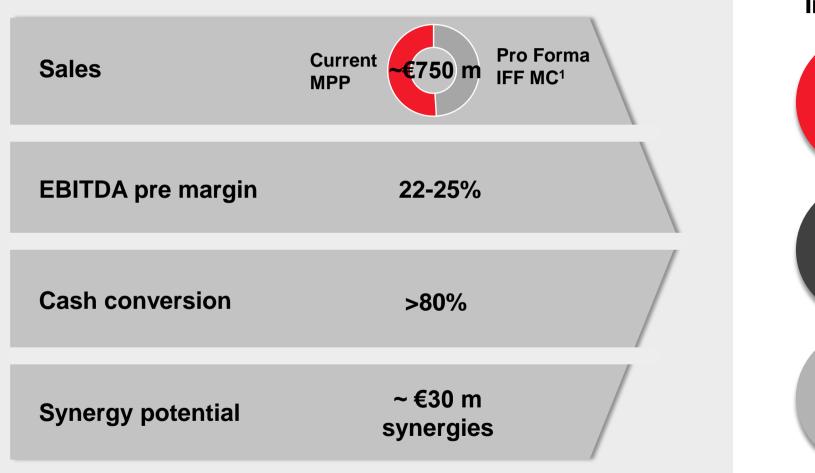


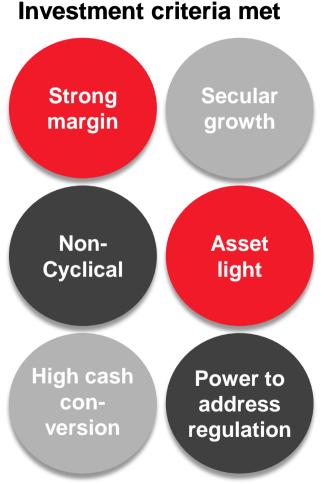


Transaction strengthens balance sheet and creates options for shareholder return

## Financials: Enhancing MPP's strong financial profile



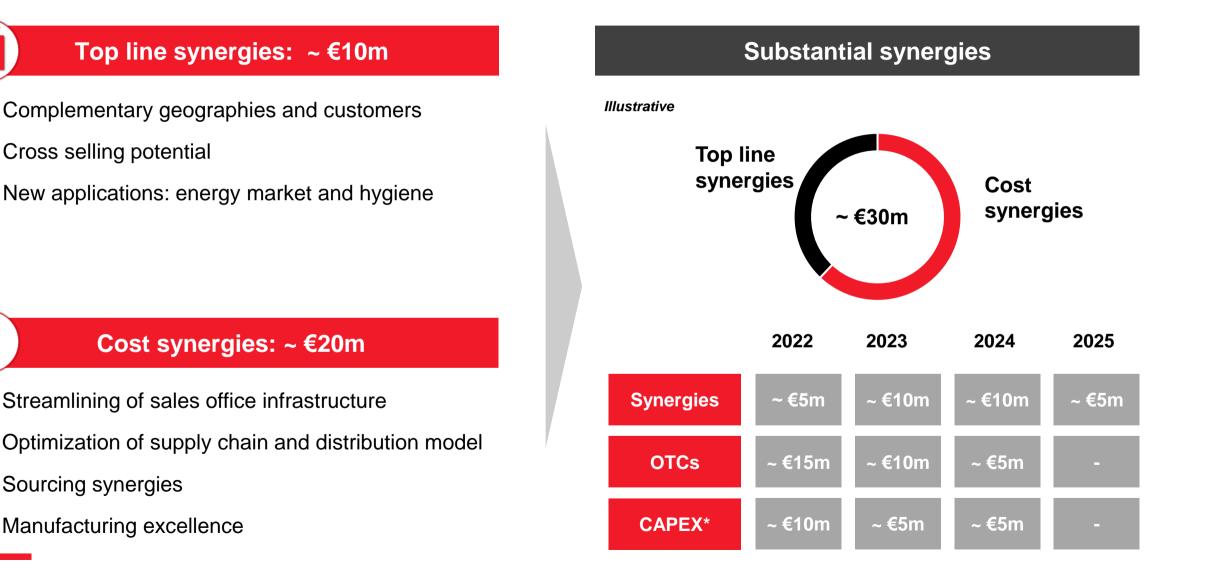




#### **IFF MC Acquisition**

## Targeting €30m synergies, thereof €25m by 2024

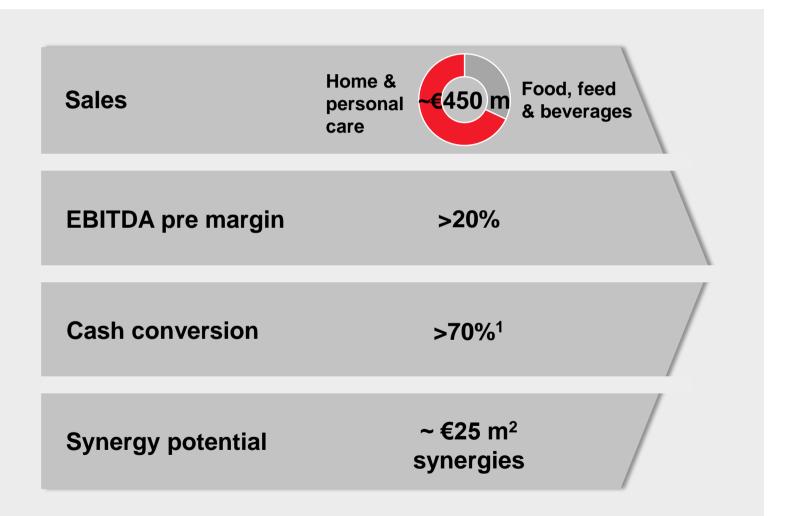


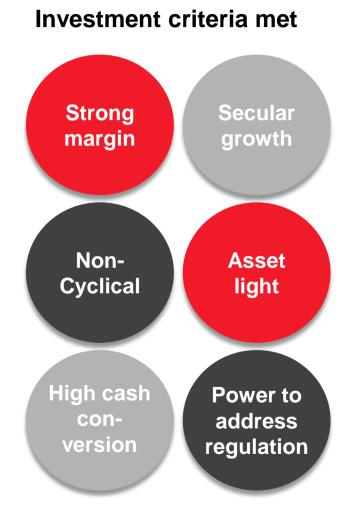


50 \*Mainly driven by expenditures to upgrade sites to LANXESS standard

## **BU F&F Financials: Reflecting specialty character**



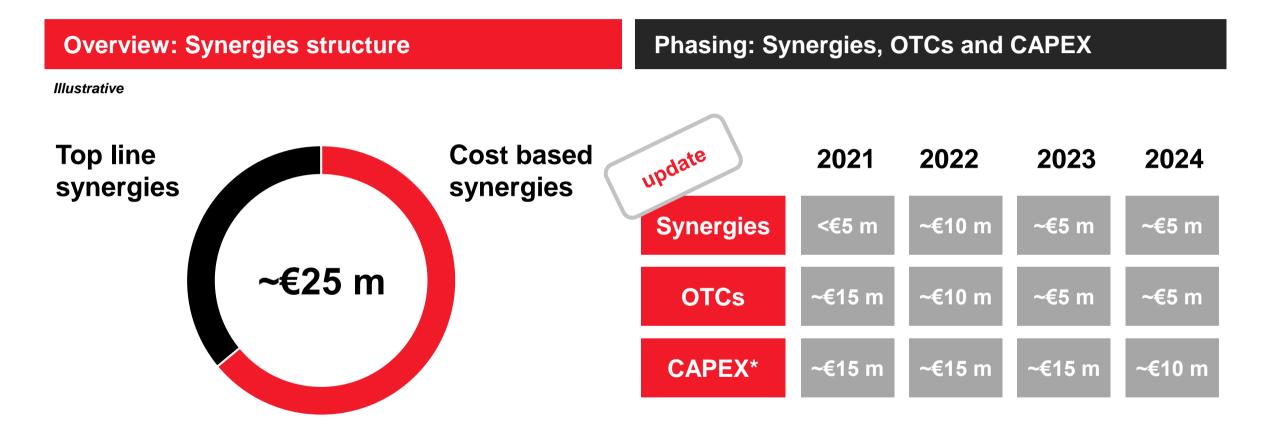




**EKC** Acquisition

## Emerald Kalama Chemical acquisition: Synergies, OTCs and Capex step in earlier than expected





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### **Abbreviations**





### **Advanced Intermediates**

All	Advanced Industrial Intermediates
IPG	Inorganic Pigments



#### **Consumer Protection**

F&F	Flavors & Fragrances
LPT	Liquid Purification Technologies
MPP	Material Protection Products
SGO	Saltigo



### **Specialty Additives**

LAB	Lubricant Additives Business
PLA	Polymer Additives
RCH	Rhein Chemie



# LANXESS Energizing Chemistry