

# Strong momentum continues

**Roadshow Presentation** 

# Covestro key investment highlights

Global leader in high-tech material solutions



- Leading and defendable global industry positions based on focused portfolio
- Favorable industry dynamics
  with robust above GDP growth prospects in a diverse range of end-markets
- Positioned to deliver volume growth through well-invested, large-scale asset base with competitive cost position
- Portfolio including high-value CAS business with attractive and historically resilient margin profile
- Attractive cash flow growth outlook underpinned by disciplined cost management

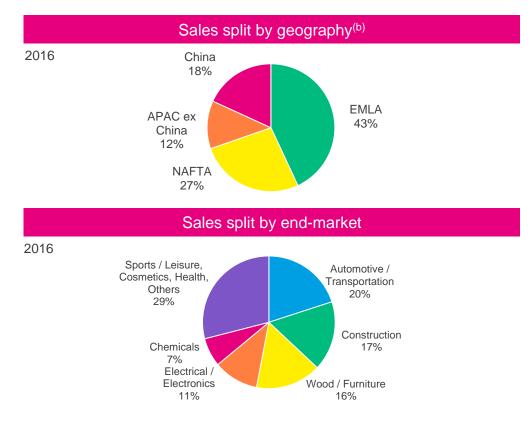
Headed by experienced management with full commitment to value creation

# Covestro at a glance



Inventor and leader in high-tech material solutions driven by global trends

- Leading global polymer producer in polyurethanes and its derivatives as well as polycarbonates
- Proven track record of process and product innovation, customer proximity as well as market-driven solutions
- State-of-the-art asset base with leading process technology and total production capacity of 4,950kt<sup>(a)</sup> distributed across 8 world-scale production facilities in three main regions
- Backward-integration into chlorine, propylene oxide and other feedstock, aimed at sourcing critical raw materials internally with no or limited merchant market sales
- Headquartered in Leverkusen, Germany, with 15,600 employees<sup>(c)</sup> globally



Key financials	Sales	Adj. EBITDA	Adj. EBITDA margin
	2016 €11.9bn	2016 €2.0bn	2016 16.9%

# Covestro business units

# Three industry-leading, structurally attractive business units



<b>Business Units</b>	Polyurethanes (PUR)	
Global Position <sup>(a)</sup>	Global #1 (3,470kt)  • MDI: #3 (1,420kt)  • TDI: #1 (720kt)  • Polyether polyols: #2 (1,330kt)	
Sales 2016	€5.9bn or 50% of Covestro	
Adj. EBITDA Margin 2016	14.9%	
Key Applications	Rigid foam:  • Building insulation  • Cold chain  • Automotive parts Flexible foam:  • Furniture  • Bedding/mattresses	

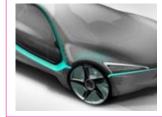
# Polycarbonates (PCS) Global #1 (1,480kt)

EMEA: #2 (540kt)NAFTA: #2 (230kt)APAC: #1 (710kt)

#### €3.3bn or 28% of Covestro

#### 21.3%

- Automotive parts
- IT and electrical equipment, electronics
- Construction (windows, roof structure)
- Consumer products, medical and other applications





#### **Coatings, Adhesives, Specialties (CAS)**

#### Global #1:

- Aliphatic isocyanate derivatives
- · Aromatic isocyanate derivatives
- Polyurethane dispersions

#### €2.0bn or 17% of Covestro

#### 24.5%

- Surface coatings
- Adhesives and sealants
- Elastomers
- Specialty films

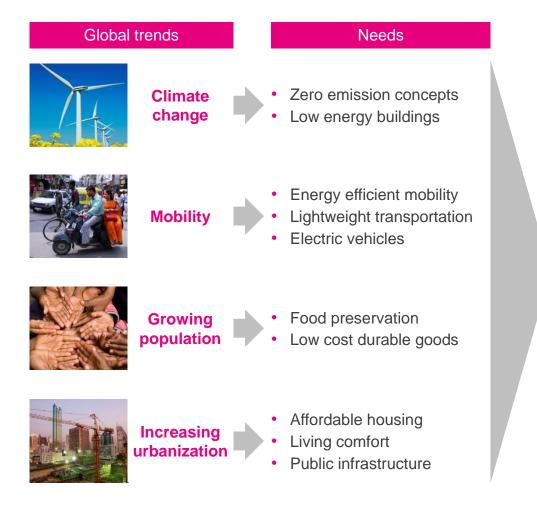


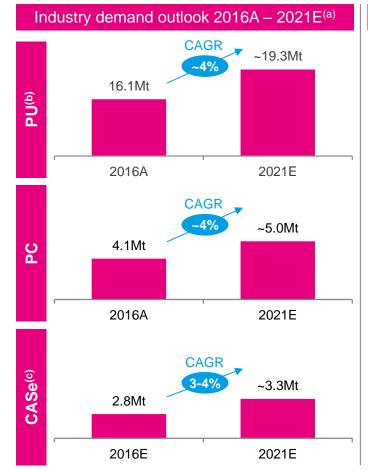


# Exposure to fundamental macro trends

# Above GDP industry growth supported by global trends







#### Covestro solutions

- Building insulation
- Insulation along the cold chain
- Foam mattresses and comfort solutions
- Weight-saving car parts
- Lightweight materials for transportation
- Roofing and glazing for buildings
- Blends and composites for electronics / IT and consumer goods
- High performance surfaces and coatings
- High-tech films
- Solvent-free coatings and adhesives

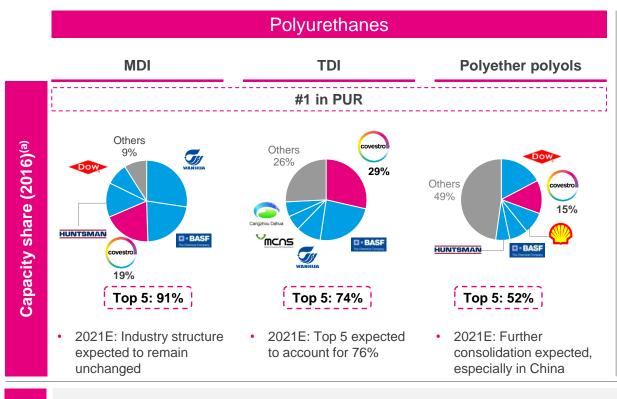
<sup>(</sup>b) Comprises MDI, TDI and polyether polyols

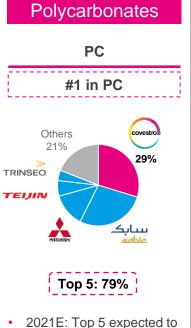
<sup>(</sup>c) Shows PU raw materials industry demand in coatings, adhesives and sealants

# Global industry positions

#### Covestro is a leader across its entire portfolio

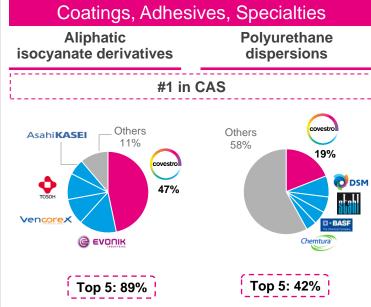






account for ~70%

Top 5 players might differ



2021E: Industry structure expected to remain stable

- Sizable investment requirement
- Intense pressure to advance process technology
- Global asset base to enable customer proximity
- Persistent demand for product and process innovation
- Efficient feedstock integration required

- Economies of scope crucial
- Formulation and application know-how necessary
- Close customer relationships and long-term R&D collaborations
- Operation of global platform essential

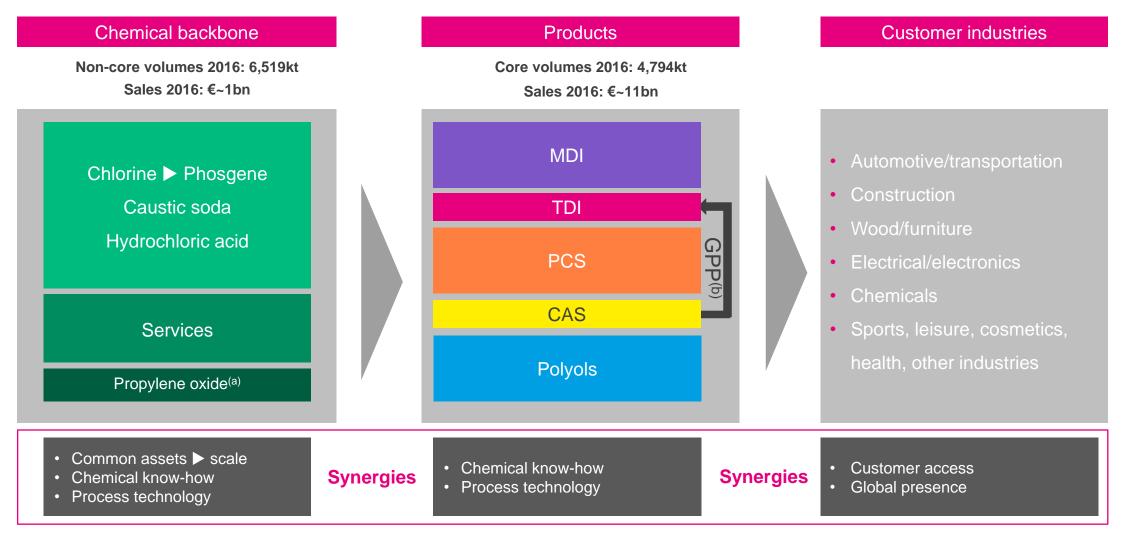
equirements

**Entry** 

# A common chemical backbone across all segments



Significant synergies in scale, process technology and chemical know-how



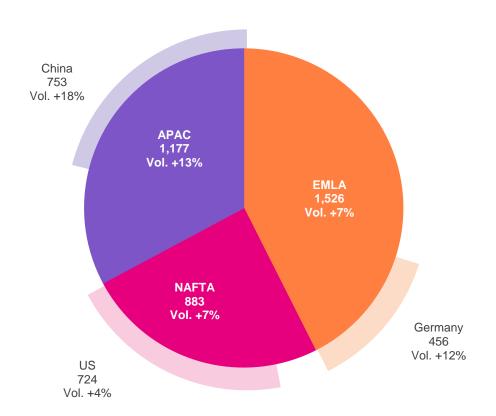
# Q1 2017 – Sales per Region

#### Improving European business



#### Solid development in Q1 2017

in € million / Core volume growth Y/Y



#### Highlights

#### **EMLA**

- Double-digit volume growth in Germany, mainly driven by PUR and PCS
- Strong rebound in Latin America

#### **APAC**

- Double-digit volume growth in APAC and China driven by all segments
- Continued strong demand in Electrical, Automotive and Furniture

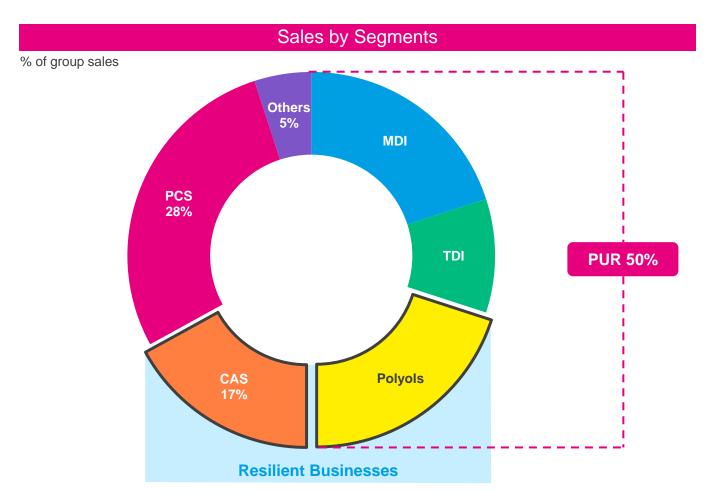
#### **NAFTA**

- Solid volume growth in US, mainly driven by doubledigit volume growth in PCS
- · Double-digit volume growth in Mexico

# FY 2016 - Cyclical business on structural upward trend



Significant proportion of sales generated with resilient businesses



#### **Industry Expectations**

#### MDI - Oversupply gradually absorbed

 Mid-term demand growth of 4-5% p.a. above supply additions 2-3% p.a. (a)

#### TDI – Higher volatility

 Supply-demand development less favorable midterm in case all announced capacities come on stream<sup>(a)</sup>

#### **PCS – Improving mix**

- Relatively stable industry margin<sup>(b)</sup> due to balanced supply-demand development<sup>(a)</sup>
- Covestro to benefit from strong growth in higher value-added applications

#### Resilient businesses – Steady high FOCF

CAS & Polyols: structurally low volatility

# CAS at a glance



Focus on stable high margins in CAS business with defendable competitive advantages

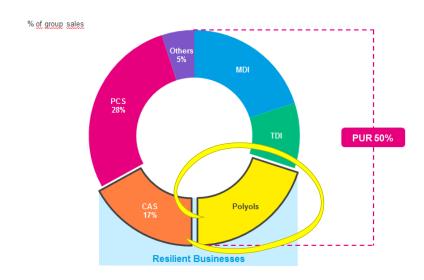
#### Global leading supplier of high performance materials to the Coatings / Adhesives / Specialties industries 4.300 +2,300+ 6+ Customers(b) **Products** Monomers #1 20.1% €2.0bn Producer of aliphatic **EBIT** margin isocyanates(a) Sales 2016 2016 CAS products have all the characteristics of niche coating / ingredients chemicals EBIT contribution of segments(c) in € million / Average 2014-2016 High value-add materials Priced on the basis of performance, high level of margin resilience Competition with other players based on performance, distinct entry requirements **PUR** 27% CAS Small proportion of cost to end-customer 42% Low volumes and large number of niche-customized products sold Products tailored to customer needs lead to significant switching efforts PCS 31% Product innovation and R&D critical to success

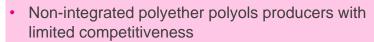
# Polyols industry spreads



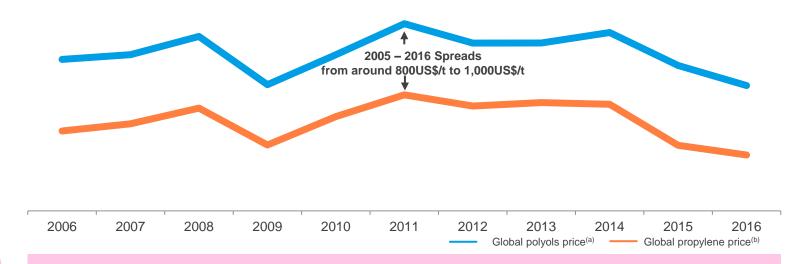


#### Resilience of polyether polyols business also confirmed in 2016





- Single capacity addition with little influence on supply/demand dynamics
- Specific entry requirements for new players, e.g.
   CapEx and technology



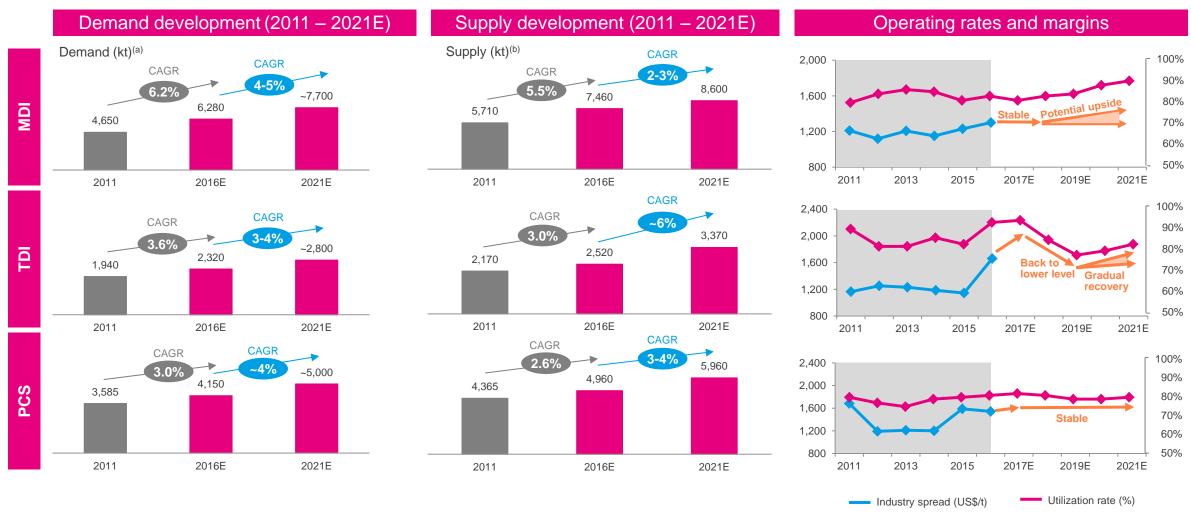
- Resilient industry margins over the last decade reflective of overall Covestro polyether polyols profitability
- Spreads not materially impacted by high volatility of propylene prices, particularly during the financial crisis
- Propylene oxide supply/demand dynamics create local pricing opportunities in the short-term

Covestro internal estimates

# Industry historical development and outlook



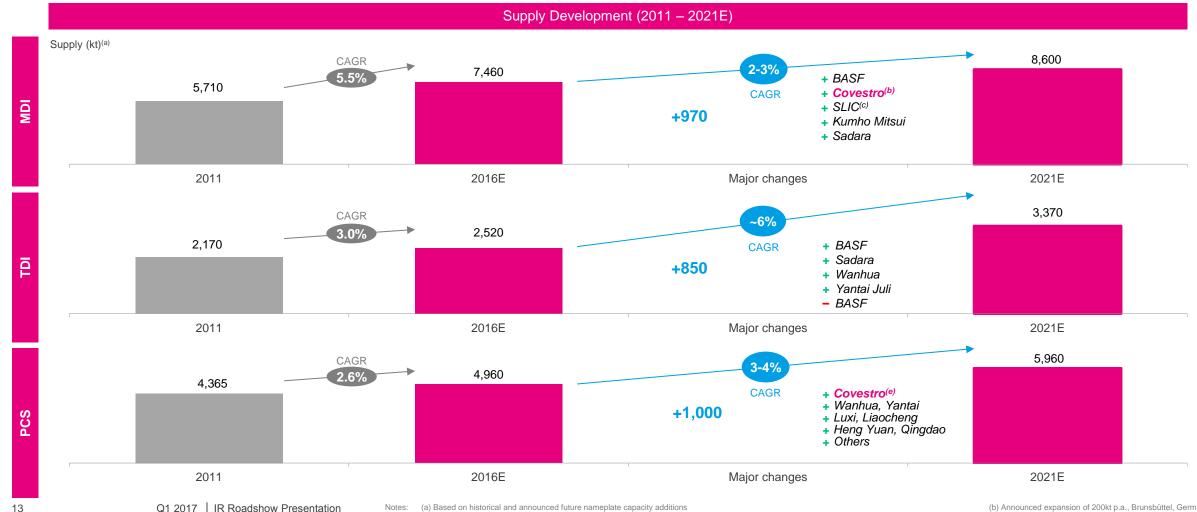
Above GDP growth driving industry capacity utilization and supporting higher margins



# Industry supply development

# Favorable industry supply outlook





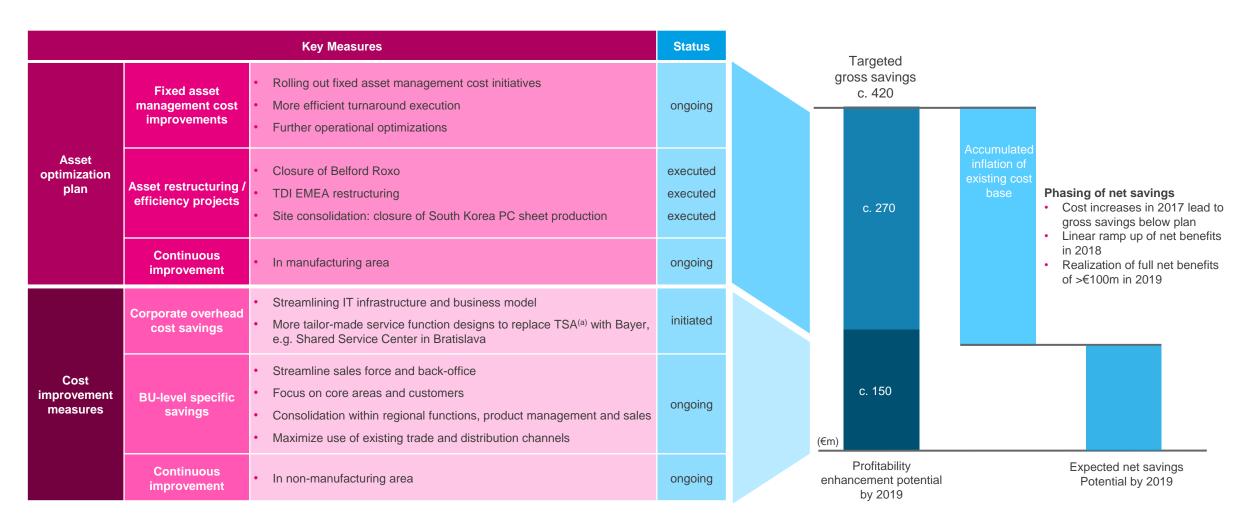
<sup>(</sup>c) Refers to Shanghai Lianheng Isocyanate JV (BASF 35%, Huntsman 35%, Shanghai Chlor-Alkali 15%, Shanghai Hua Yi 8% and Sinopec 7%) (e) Announced expansion of 200kt p.a., Caojing, China

Source: Covestro internal estimates

# Structured profitability enhancement program on track

# Net saving expected to start ramping up in 2018



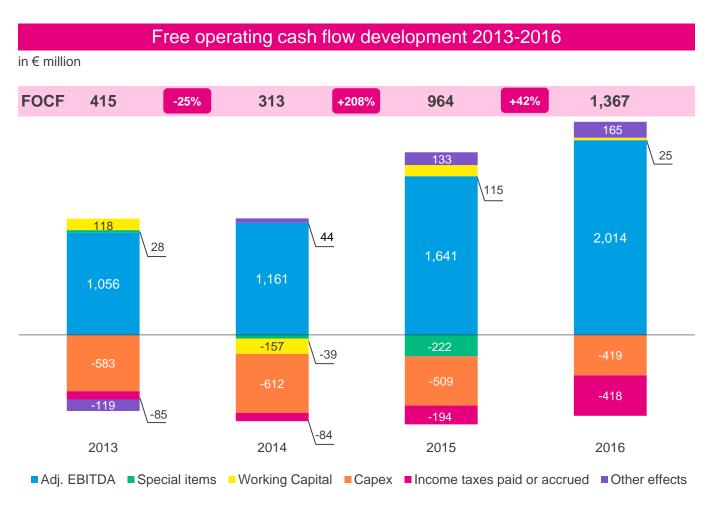


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# High EBITDA to FOCF conversion rate

#### Record FOCF





#### Highlights

- The FOCF to EBITDA conversion rate increased to 68% compared to 59% in 2015 due to the absence of cash-out for special items
- Working capital to sales ratio almost unchanged at 15.6% vs. 15.4% in 2015, in the targeted range of 15-17%
- Capex of €419m significantly down Y/Y partly due to delayed invoicing; Capex below D&A of €683m; D&A/sales above long-term average given the young asset base and the conservative life time applied
- High cash-tax rate of 37% vs. effective tax rate of 29% due to prepayments

# Use of cash reflects strong cash generation



# covestro

- CapEx below D&A in 2015-2017E, mid-term budget under review
- Goal to further reduce net debt
- Long-term preparation of next growth investments underway

#### Dividend policy



- Focus on increasing or at least stable dividends
- FY 2016 dividend of €1.35 per share represents a dividend yield of 2.1% (year end DY)



- Disciplined & focused approach
- Bolt-on acquisition to boost R&D and business development
- Focus on high margin, differentiated business areas and continuous portfolio optimization

# Covestro strategy



Leverage industry leadership to capture growth in our industries and improve our asset and cost base

- Capture market growth
  over the next years with existing world-scale assets
- Optimize asset footprint through site consolidation, restructuring and efficiency projects
- Improve cost position by 2019, align overall costs with best-in-class chemical industry benchmarks
- Protect and build profitable competitive positions through focused R&D
- Embed sustainability
  in every element of the strategy



# Financial Highlights Q1 2017

covestro.com Q1 2017 | IR Roadshow Presentation

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# Q1 2017 Key Highlights

#### Strong momentum continues



Continued dynamic core volume growth (9.0% Y/Y)



9<sup>th</sup> consecutive quarter with Y/Y EBITDA improvement (€846m; 67% Y/Y)

Net income increase to €468m (157% Y/Y)

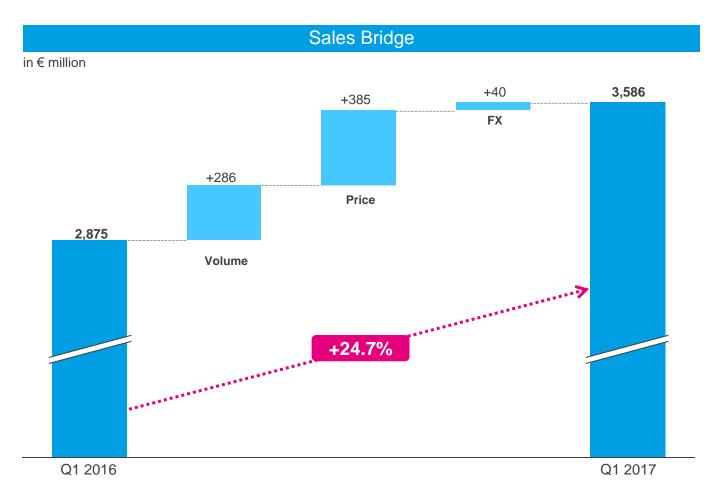
FOCF increase to €211m (174% Y/Y)

**Increase of guidance for FY 2017** 

# Q1 2017 – Sales Bridge

#### Strong volume growth and reflation





#### Highlights

#### **Dynamic volume development**

- Core volume growth (in kt) of 9.0% Y/Y
- Sales volumes (in €) expansion of 9.9% Y/Y
- Sales volume expansion above core volume growth due to product mix upgrades

#### Reflation and higher industry utilization

 Higher selling prices positively impacted sales by 13.4% Y/Y

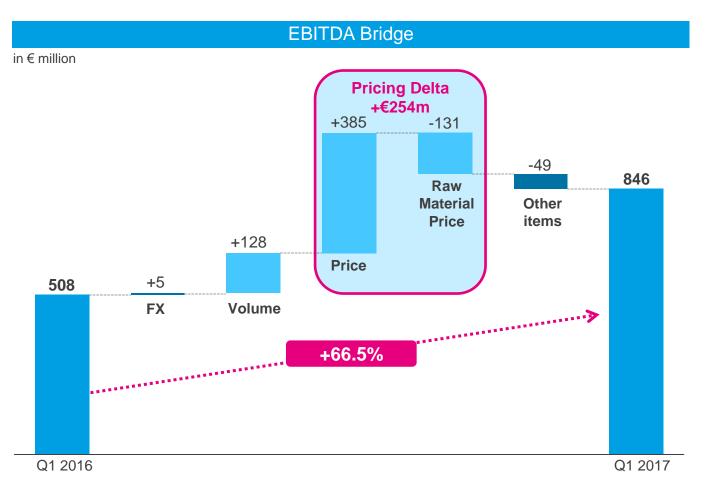
#### **Positive FX effects**

 FX effects benefited sales by 1.4% Y/Y mainly due to stronger USD

# Q1 2017 – EBITDA Bridge

#### Strong volume leverage and positive pricing delta





#### Highlights

#### Positive volume leverage

Broad-based in all three business segments

#### Improving cash margin

- Positive pricing delta driven by TDI & MDI
- Selling price increases could more than compensate for rising raw material prices

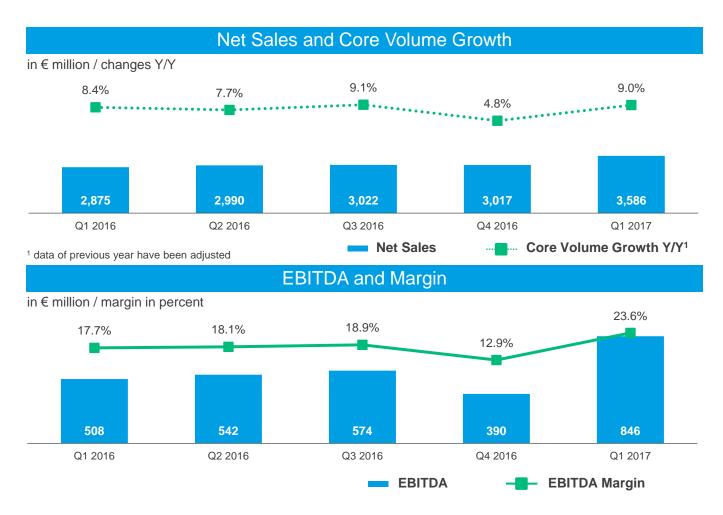
#### Other items

- Provision release of €9m for Tarragona
- Prior year benefited from an insurance income of €30m

# Q1 2017 – Group Results

#### Continued margin expansion





#### Q1 2017 Highlights

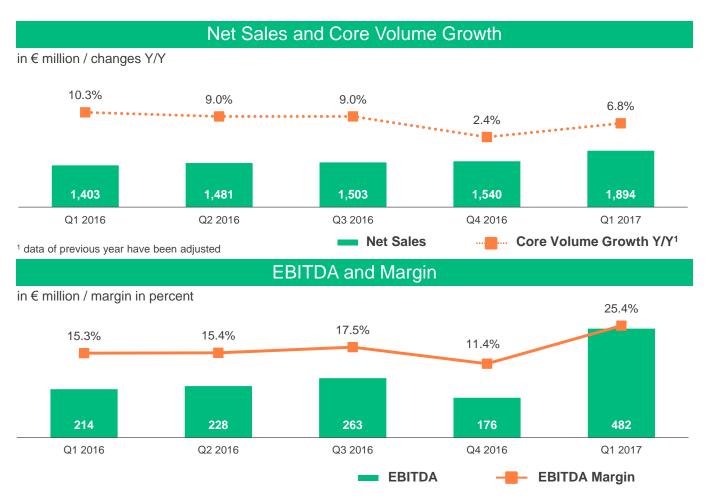
- Strong core volume growth (in kt) of 9.0% driven by strong end market growth and partial re-stocking
- Sales increased by 25% driven by volume und pricing leverage

- EBITDA margin improved significantly to 23.6%
   vs. 17.7% in Q1 2016
- 9th consecutive quarter with Y/Y EBITDA increase

# Q1 2017 – PUR Segment – Results

#### Polyurethanes – Structurally improving margins in MDI





#### Q1 2017 Highlights

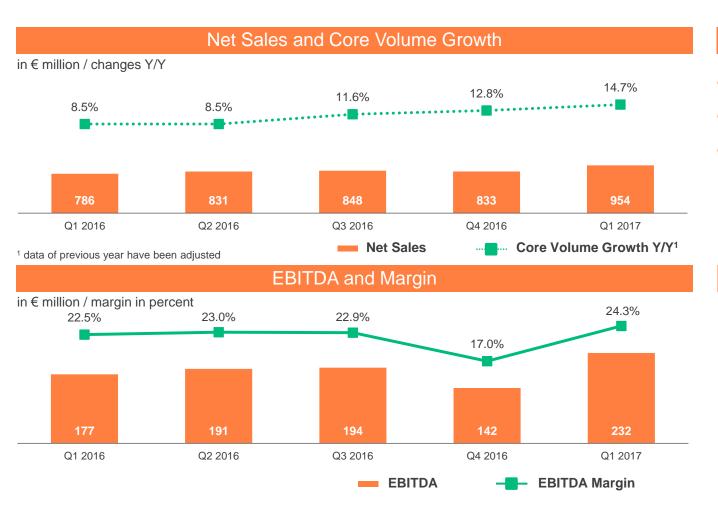
- Core volume growth of 6.8% Y/Y mainly driven by strong MDI and TDI, whereas polyols increased low-single digit
- Selling prices increased 25.8% mainly due to strong demand in MDI and TDI

- EBITDA increased by 125% Y/Y with a margin of 25.4% vs. 15.3% in Q1 2016
- Around half of the Y/Y EBITDA growth related to strong volume leverage and structurally higher margins, mainly in MDI
- Remaining Y/Y EBITDA improvement related to fly-up margins, mainly in TDI

# Q1 2017 – PCS Segment – Results

#### Polycarbonates – Steady high margin business





#### Q1 2017 Highlights

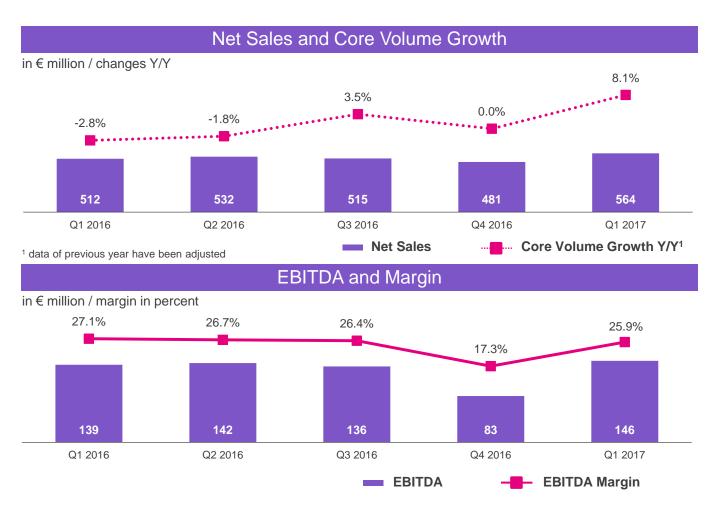
- Core volumes increased double-digit by 14.7%
- Broad-based acceleration of demand growth
- Selling prices increased by 2.9%

- EBITDA increased by 31.1% Y/Y with a margin of 24.3% vs. 22.5% in Q1 2016
- EBITDA increase driven by positive volume leverage and product mix improvements
- Continuing favorable supply-demand balance

# Q1 2017 – CAS Segment – Results

#### Coatings, Adhesives, Specialties – Solid results





#### Q1 2017 Highlights

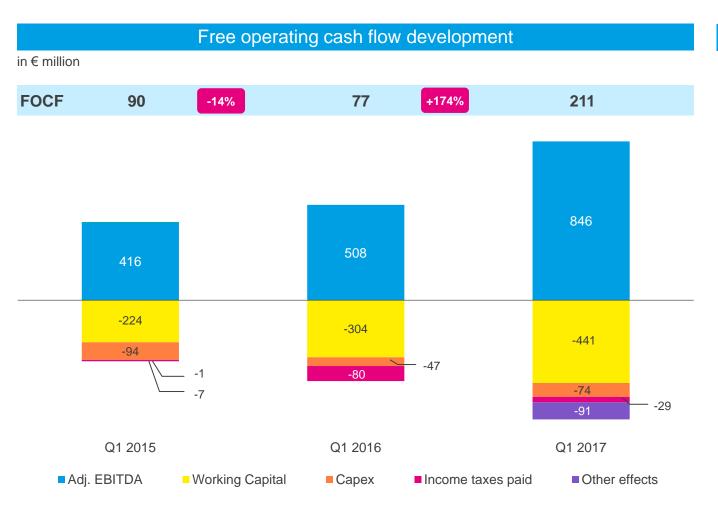
- Dynamic core volume growth of 8.1% Y/Y due to strong growth in APAC and EMLA
- Some pre-buying assumed due to announced price increases
- Selling prices decreased slightly

- EBITDA increased by 5.0% Y/Y
- Slightly lower margin on a high level of 25.9%
   vs. 27.1% in Q1 2016 due to higher costs

# Q1 2017 – Free Operating Cash Flow

#### Solid FOCF in a seasonally low quarter





#### Highlights

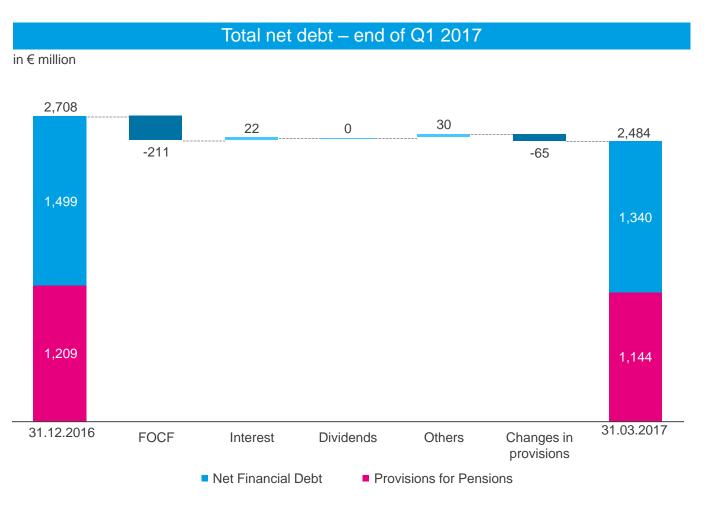
- Working capital to sales ratio\* at 18.1%, slightly above the targeted range of 15-17% due to higher valuation of stocks and higher receivables
- Capex of €74m up Y/Y due to low comparison basis and MDI expansion in Brunsbüttel; Capex below D&A of €158m
- Low cash tax rate of 4.6% mainly due to phasing of tax payments
- Others effects include the release of provisions for bonus payments

<sup>\*</sup> Method of calculation: WC on 31.03.2017 divided by sales of last four quarters

# Q1 2017 – Total Net Debt

#### Strong balance sheet





#### Highlights

- Total net debt to EBITDA ratio\* slightly reduced to 1.1x
- Pension provisions decreased slightly to €1,144m due to higher interest rates
- Equity ratio further improved to 44%

<sup>\*</sup> Method of calculation: Total net debt on 31.03.2017 divided by EBITDA of last four quarters

# Guidance 2017

# Strong momentum continues



	FY 2016	Guidance FY 2017*	New Guidance FY 2017*
Core Volume Growth	+7.5%	<b>Low- to mid-</b> single-digit percentage increase Y/Y	Unchanged
FOCF	€1,367m	Slightly above the average of the last three years	Significantly above the average of the last three years
ROCE	14.2%	Slightly above the 2016 level	Significantly above the 2016 level
Additional financial expectations	FY 2016	Guidance FY 2017*	New Guidance FY 2017*
EBITDA 2017 FY	€2,014m	At or above the 2016 level	Significantly above 2016
EBITDA 2017 Q2	Q2: €542m	n.a.	Significantly above Q2 2016
D&A	€683m	~€650-700m	~€650m
Financial results	€-196m	€-170 to -190m	€-180 to -200m
Tax rate	29.0%	≤30%	Unchanged
Capex	€419m	~€550m	Unchanged

 $<sup>^{\</sup>ast}$  Basic Assumptions: Exchange rate of USD/EUR ~1.10 and a similar macroeconomic environment as in 2016

# First bio-based automotive 2K PU clearcoat tested

Audi: Successful near-series trial / BASF: Satisfied with performance



- Successful coating of Audi Q2 under near-series conditions
- Based on proven 2K PU technology fulfilling high performance standards
- Application on existing coating lines possible
- Helps customers to lower carbon footprint of their products







# Q1 2017 – Summary

Covestro fully on track

Strong volume growth with a focused portfolio

supported by continued robust demand

Solid earnings and cash flow generation

helped by higher industry utilization and a focus on profitability

Robust financial profile

with an investment grade rating (Baa2 from Moody's)

**Long-term progressive dividend policy** 

with a focus on increasing or at least stable dividends

Solid financial outlook

despite continued limited visibility



# **Upcoming IR Events**



Find more information on investor.covestro.com

HA	norting	g dates
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July 25, 2017
 Q2 2017 Interim Report

October 24, 2017
 Q3 2017 Interim Statement

February 20, 2018
 Q4 & FY 2017 Annual Report

#### **Annual General Meeting**

May 3, 2017
 Annual General Meeting, Bonn

#### **Broker conferences**

May 15, 2017
 Deutsche Bank, dbAccess Asia Conference, Singapore

May 16, 2017 Citi's Inaugural Chemical Conference, London

June 13, 2017
 Exane BNP Paribas European CEO Conference, Paris

June 21-22, 2017
 Deutsche Bank, dbAccess German, Swiss & Austrian Conference, Berlin

#### **Capital Markets Day**

• June 29, 2017 Covestro Capital Markets Day, London



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