

WACKER - Cash, Growth and Sustainability

Wacker Chemie AG, November / December 2020

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An Attractive Investment

- Competitive Advantage: Silicon-based integrated sites and operational excellence
- Market Leading Position:
 All segments among top 3 with leading technology and costs
- Superior Growth Opportunities: Innovation, sustainability and emerging markets
- Transforming Growth:
 High cash generation funds Chemicals growth and shareholder returns

WACKER: At a Glance

Facts & Numbers

€783m

€4,928m

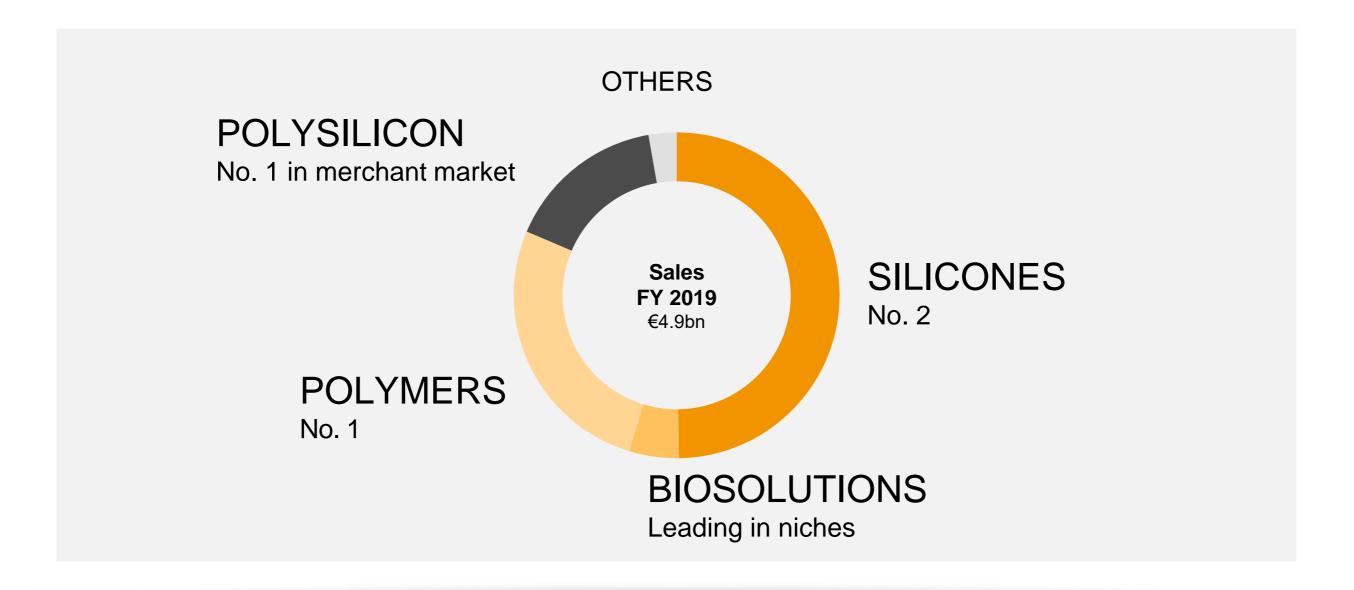
Sales in 2019

15.9% EBITDA margin in 2019

4 Business Segments



WACKER: An Overview



Progress on our 5 Targets

Our Targets



Progress Since CMD in 2017



1 CapEx – Extend Leverage Phase



Capitalizing on growth opportunities in Chemicals while maintaining Group CapEx < Depreciation

2 Grow Above Chemical Production



Specialties and demand for applications in smart construction drives sales above chemical production

3 Focus on Sustainability



Continuous efficiency gains lower corporate footprint while expanding sustainable product solutions

4 Sustain Attractive Margins Over the Cycle



Mix improvement and excellent cost performance maintains margin well over 16% EBITDA target

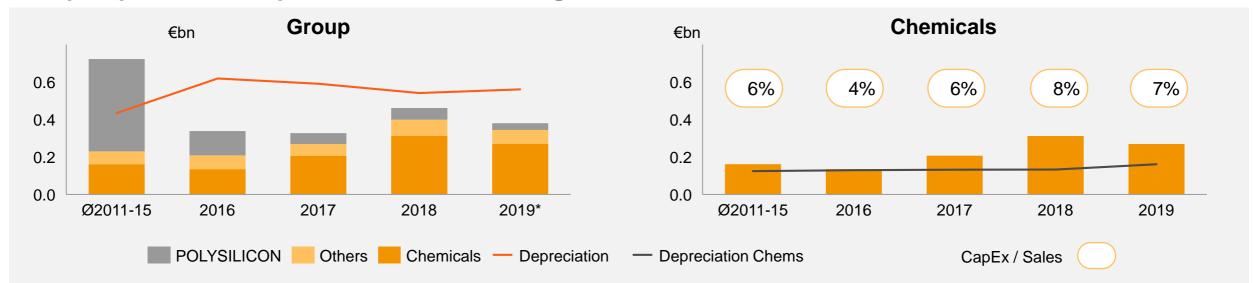
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Generate Cash



Strong cash generation funds investments and dividends while maintaining a strong balance sheet

Group CapEx Below Depreciation while Enabling Growth in Chemicals



Pivot to More and Smaller Projects to Support Customers Downstream

Europe

- ▶ Silicones Burghausen: '18/20
- ► Silicon-Metal-Norway: '19
- ▶ Biopharma Amsterdam:'18
- ▶ Fermentation León: '18
- ▶ VAE Burghausen: '17

Asia

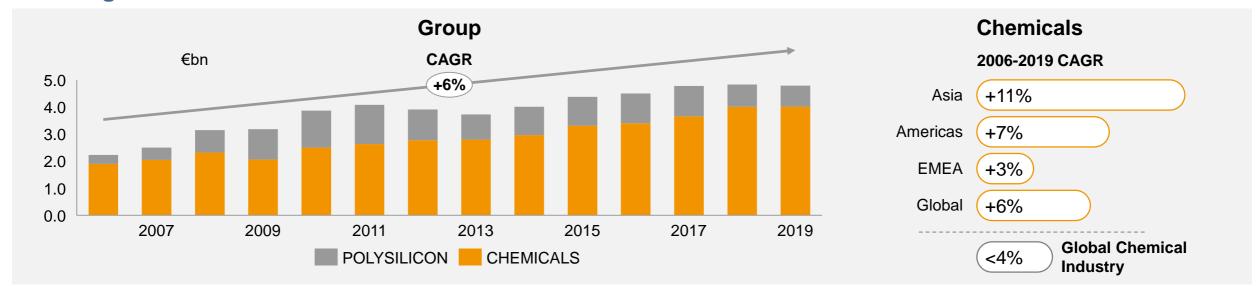
- VAE/DPP Ulsan: '19/20
- Silicone surfactants Amtala: '18
- Silicone elastom. Zhangjiagang: '18
- Silicone elastom. Jincheon: '18
- VAE Nanjing: '18

Americas

- ► HDK®-Tennessee: '19
- Silicone emulsions Adrian: '18
- Silicone emulsions Jandira: '17

Chemicals = BIOSOLUTIONS + SILICONES + POLYMERS *Depreciation excl. POLYSILICON impairment; **BOLD** = Upstream & midstream

Doubling Sales in Chemicals since IPO



Main Drivers for Chemicals Growth

Regional Growth

- ▶ Emerging markets catch-up
- Transformation to advanced technologies and higher building standards

Innovation

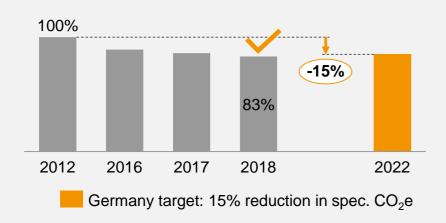
- WACKER holds ~4,100 active patents and ~1,800 pending patent applications
- Annually, the Group applies for 90-100 inventions

Substitution

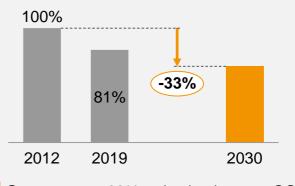
- Customized high value add solutions for our customers
- ▶ High performance materials
- Smart construction
- ▶ Lower raw material consumption

Germany CO₂e Target Achieved, New Ambitious Group Targets for 2030

Germany Specific CO₂e Target Achieved in 2018



New Group Specific CO₂e 2030 Target



Group target: 33% reduction in spec. CO₂e

Driving Improvements Across our Value Chain

Value Up

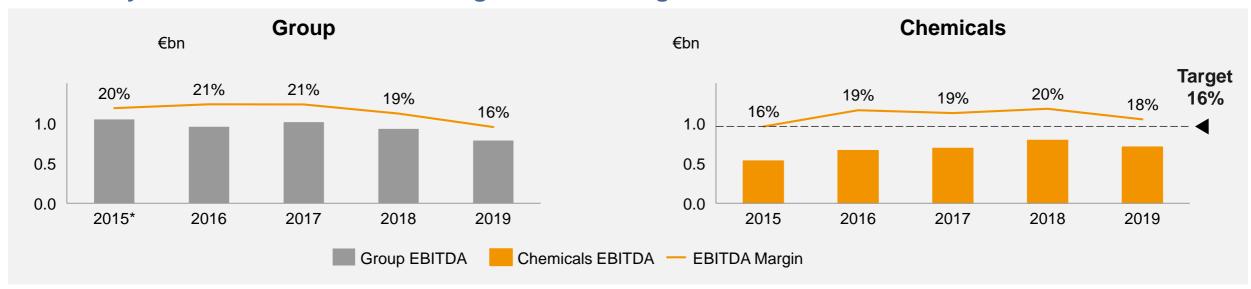
Increase the share of products with neutral or positive sustainability contribution to 90% by 2030 **Footprint Down**

- Reduce specific energy consumption by 50% by 2030
- Reduce specific CO₂e by 33% by 2030

Collaboration Beyond

 90% of our key suppliers with a positive sustainability contribution by 2030

Profitability of Chemicals Well Above Target EBITDA-Margin



Strong Performance in Chemicals, Overcapacities in POLYSILICON

Group

- High plant utilisation and excellent cost performance in Chemicals
- Good progress on cost roadmap, but overcapacities remain in POLYSILICON
- Siltronic deconsolidation in 2017 and lower at-equity income

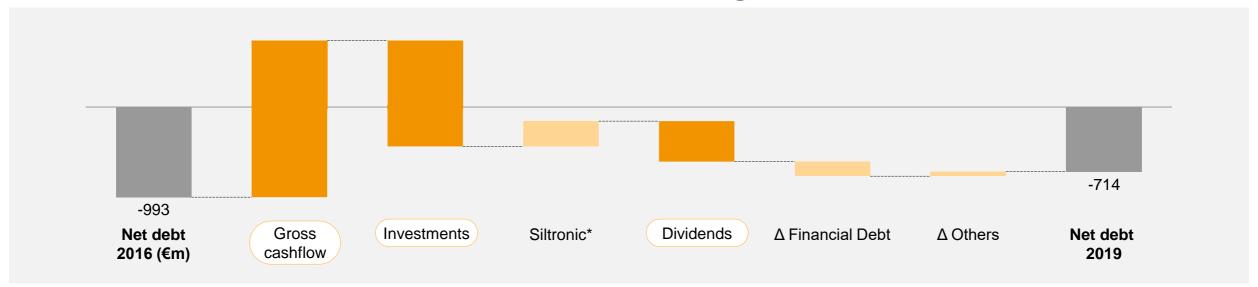
Chemicals

- SILICONES with improved product mix
- POLYMERS with rising demand for smart construction
- BIOSOLUTIONS with rapidly growing biopharma business

*Siltronic fully consolidated, from 2016 onwards at-equity

Generate Cash

Cash Generation Funds Growth and Dividends while Maintaining Low Net Debt



Strong Cash Generation Through Specialty Focus, Budgeting and Cost Discipline

Drivers to Gross Cashflow

- ▶ Strong cash generation in Chemicals
- Strict working capital management
- Insurance and pension top-up effects

Drivers to Net Debt

- ▶ Targeted investments upstream & downstream
- Dividend payout since end of 2016: €447m
- ▶ IFRS 16 effects in 2019

*Cash flow effects from deconsolidation of Siltronic in 2017

"Shape the Future" Efficiency Program to Increase Competitiveness and Profitability

Broad Scope of Program

Reorganization of business and central divisions

- Positioning business divisions even stronger for profitable growth
- ▶ Lean central departments, with required scope of services

Savings in indirect and non-operational functions

- Save €250m in annual costs
- Reducing material costs and in-house services
- ▶ FTE reduction of >1,000; Focus on Germany

Reduction of indirect costs

- All areas with external costs affected
- Critically examine demand and purchasing behavior, simplify processes and compare needs and requirements

by 2022

Lean organization



Efficient processes

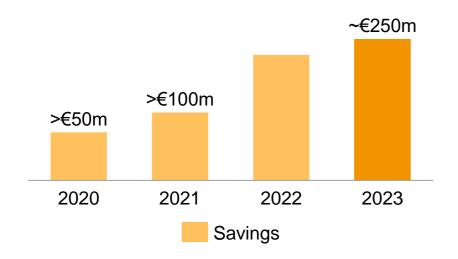


Cost Discipline



"Shape the Future" More than €50m in Savings in 2020 and Rising to >€100m in 2021

Full Cost Savings Starting Year-end 2022



Contribution by Category



Savings From Personnel Costs

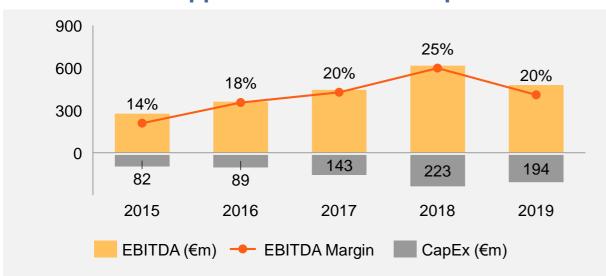
- Reduction of ~1,200 FTEs globally
- More than 80% of targeted reductions in Germany
- Framework agreements signed with employee representatives
- First personnel savings expected in 2021
- Mid-double-digit provision expected in Q4 2020
- Additional costs expected in 2021-22 as project develops

Savings From Indirect Spend

- More than 1,000 measures identified
- Implementation underway and on track
- >€50m savings expected in 2020, increasing to >€100m in 2021

SILICONES at a Glance

Full Portfolio Supplier with Focus on Specialties





Drivers for SILICONES

Growth

- Versatile chemistry with excellent performance and strong substitution drive
- Reduced cyclicality through broad market and customer diversification

Performance

- Intensive knowledge / best practice sharing between regional competence centers
- Investment focus on specialties
- ▶ Focus on cost and efficiency

Sustainability

- Silicones enable CO₂ savings* in numerous applications
- Renewable raw material solutions

*Source: Silicon Chemistry Carbon Balance, Global Silicone Council



SILICONES Serve Diversified End Markets

Broad Market Penetration and a Wide Customer Base Advanced Processing & Performance Additives **Health Care** Silicones Consumer Automotive Global Care Market Energy & **Electronics Smart** Construction Manufacturing Machinery Coatings

Market Drivers

- ▶ Automotive ↔ E-Mobility
- ▶ Health Care → Ageing Population
- Construction ← Urbanization
- **▶** Electronics ↔ Communication
- Consumer Care ← Living Comfort

Short-term COVID-19 impact

- Significant: Automotive, Energy, Textile & Plastic Additives
- Moderate: Construction
- Positive: Health Care, Pulp & Industrial Defoamer, Labeling

Industry Split; Source: Freedonia

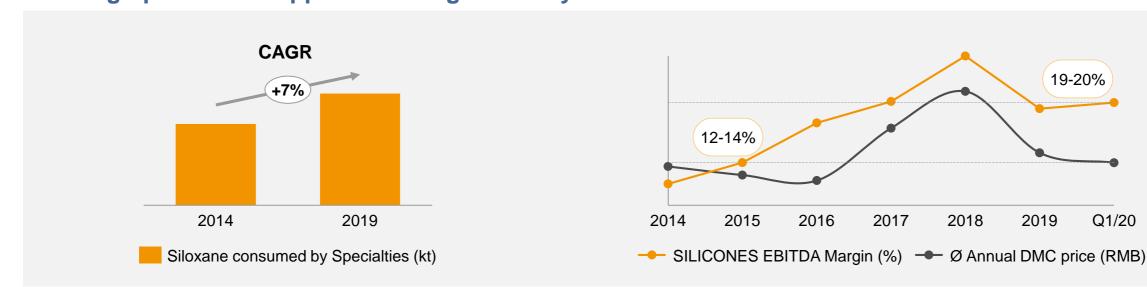
SILICONES Silicones – A Basis for Unlimited Applications





SILICONES Improved Product Mix Enabled by Specialties Strategy

Growing Specialties Supports Earnings Stability



Success Factors for Specialization Drive

Mix Improvements

- Significant specialty volume growth
- ▶ Sufficient Sx volume to support specialties growth without upstream investments

Success Factors

- Localization of service and downstream production close to our customers
- Preferred development partner

Operational Excellence

Q1/20

19-20%

2019

- Continuous cost improvements
- Benchmark cost Sx feedstock
- Integrated supply chain to handle complex global material flow

Source Chinese DMC Price: SAGSI & Luxi



SILICONES Full Portfolio Provider with Focus on Specialties

Strategic Focus and Roadmap

Value Creation

- ▶ Focus on downstream projects to support our customers' specialty applications
- Lower capital intensity with higher return on capital



Innovation

- Extend our global competence network and grow local markets
- Preferred innovation partner of our customers



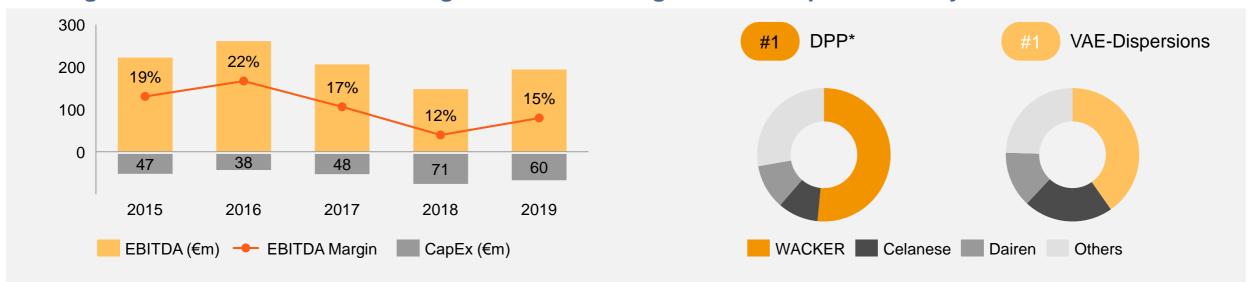
Operational Excellence

Benchmark costs with continuous improvements



POLYMERS at a Glance

Leading Market Positions & Generating Attractive Earnings on Low Capital Intensity



Drivers for POLYMERS

Growth

- Intact growth drivers in key markets and broad scope of applications
- Diverse market & customer base
- ▶ Growth partner of our customers

Customer Focus

- Global presence with tandem production sites (DPP + VAE) and 16 technical centers
- Innovation and in-depth formulating expertise

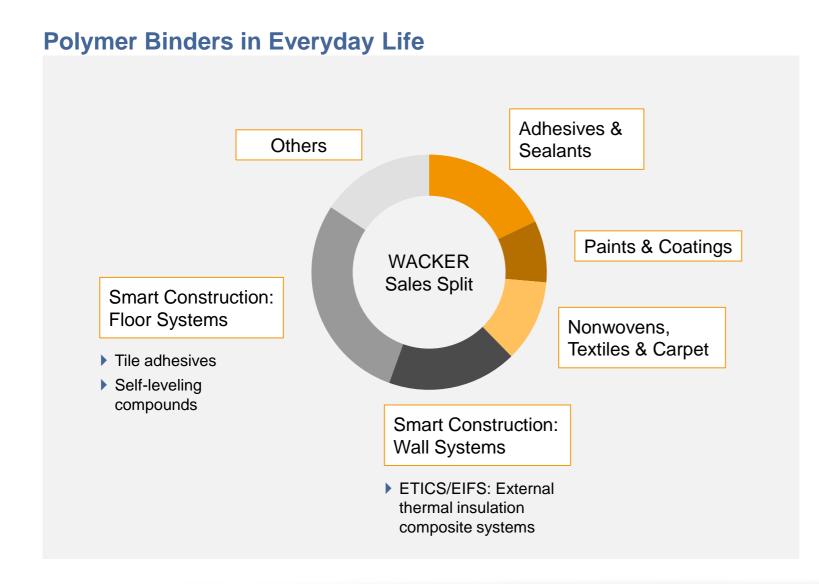
Sustainability

- Enable CO₂ savings with smart construction
- Renewable raw materials solutions

*DPP = Dispersible Polymer Powder



POLYMERS Create Value in a Wide Variety of Applications



Market Drivers

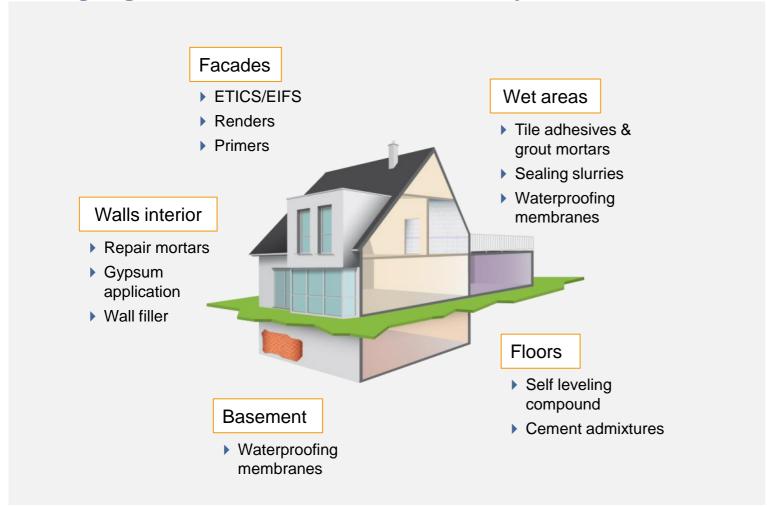
- ▶ DPP → Smart and sustainable construction, urbanization and renovation
- Dispersions ← Growth from key VAE performance benefits

Short-term COVID-19 impact

- Significant: Durable consumer goods, tabletop nonwoven
- Moderate: Construction
- Positive: Renovation, Packaging and hygiene applications
- Clear recovery signs in China and countries where economies reopening

POLYMERS Dispersible Polymer Powders Enable Smart Construction

Adding High Value to Mortar and Concrete Systems in Construction



Transformation Drivers

- Applicator (labor) productivity& material savings
- Higher building standards
- New building materials
- Demanding substrates& methods
- Sustainability

POLYMERS VAE Dispersions with Performance Advantages

Adhesives



- Balance Cohesion / Adhesion
- Machinability

vs. C3 Chemistry

Carpet



- Very Low Odor / Very Low Emission
- Low Flammability

vs. C4 Chemistry

Non-Woven



- Adhesion to cellulose fibers
- Absorbency (Hydrophilic)

vs. C3 Chemistry

Paints



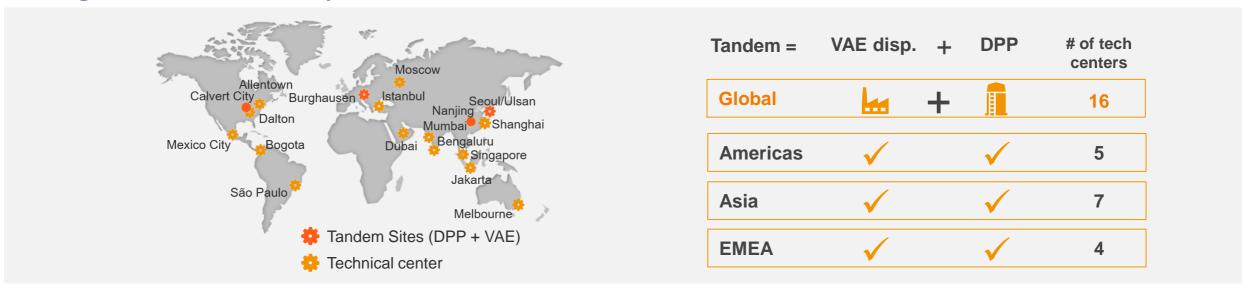
- Excellent Scrub Resistance
- Very Low Odor / Very Low VOC

vs. C3 Chemistry

POLYMERS

Tandem Sites and Tech Centers Enhance Global Reach

Serving Customers in All Key Markets



Addressing Individual Regional Market Requirements

Emerging

- Higher building standards
- ▶ Technology transformation
- Increased demand for housing

Developing

- Material savings & labor productivity
- Local technical support for local markets
- Value chain education

Developed

- Advanced technical product requirements
- Value based replacement
- Sustainable products

POLYMERS Sustainable Binder Solutions

Strategic Focus and Roadmap

Customer Focus

- Global presence with production and technical centers
- Continuously expanding our production footprint to enable customer's growth potential



Substitution by Innovation

- Value based substitution
- Transformation towards higher building standards



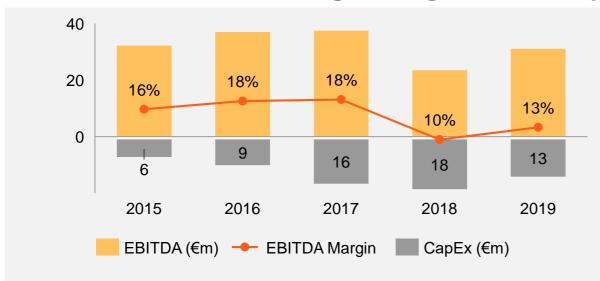
Sustainability

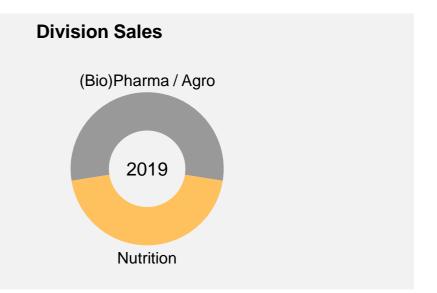
- New product releases based on renewable raw materials
- ▶ CO₂ savings with smart construction demonstrated



BIOSOLUTIONS at a Glance

BIOSOLUTIONS Transitioning to a High Growth Biopharma Business





Drivers for Fast Growing Biopharma

Unique Technology Platforms

- "The Microbial CDMO*" with proprietary technologies
- Cutting-edge technologies and strong scientific background
- ▶ 3 EMA / FDA approved sites

Strong Track Record

- Customer focus and global track record: pre-clinical to market supply
- ▶ 200 projects successfully completed
- More than 1,100 GMP batches released

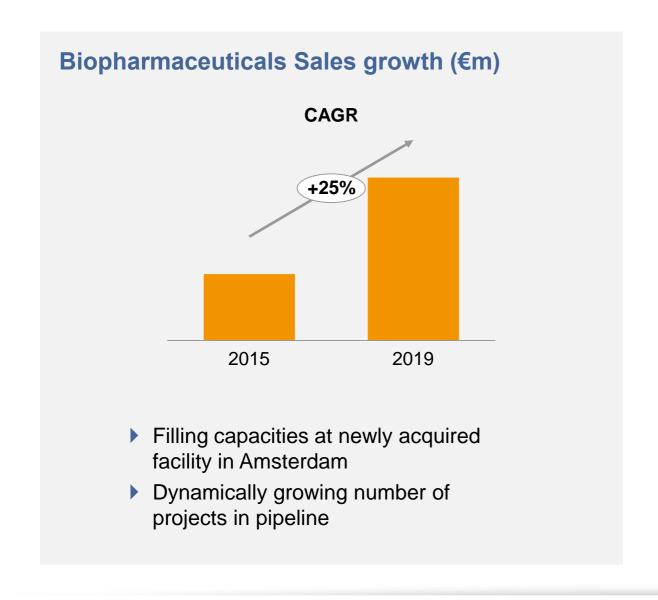
Growing Biopharma

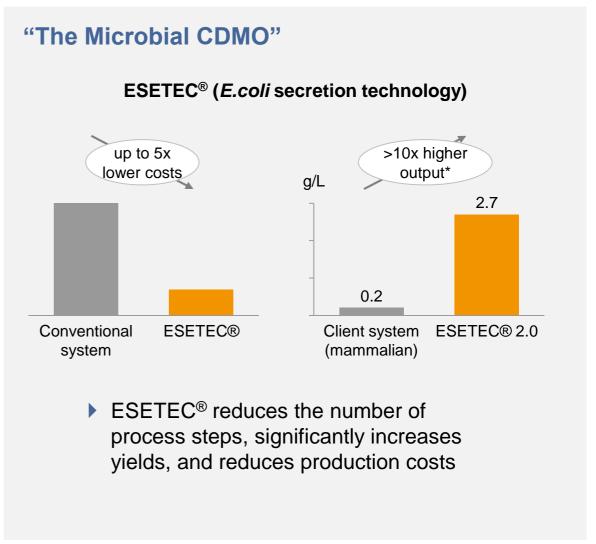
- Successful integration of Amsterdam business and increasing utilization
- Committing CapEx to meet growing Biopharma demand

*CDMO = Contract Development and Manufacturing Organization



BIOSOLUTIONS Serving a Fast Growing Biopharmaceuticals Business



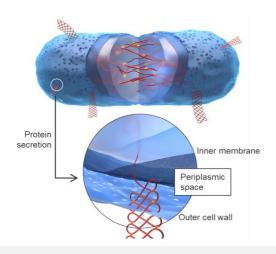


*Example: Medimmune Project

BIOSOLUTIONS

Set up for Growth with a Differentiating CDMO Toolbox

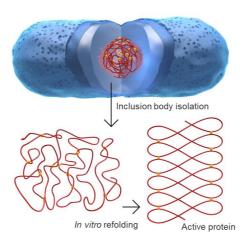
Secretion Technology



ESETEC®

- Correctly folded proteins are transferred across the cell membrane into the culture broth
- Unique manufacturing technology, with exceptionally high quality and flexibility

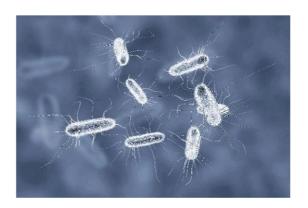
Refolding Technology



FOLDTEC®

- After cell disruption, aggregated proteins are converted to their active conformation
- Optimized for high productivity and quality

Live Microbial Products

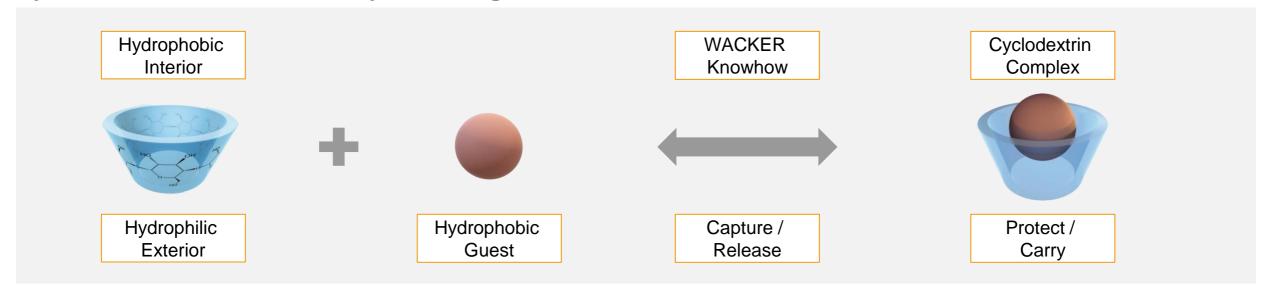


LIBATEC®

- Live microorganisms (bacteria or yeast) with therapeutic or preventive effects
- Development of scalable and fully closed mono-septic production processes

BIOSOLUTIONS Cyclodextrins Enable Technologies to Combat COVID-19

Cyclodextrins Protect and Carry Active Ingredients



Anti-Viral Properties



- Functional treatment of textiles with cyclodextrins
- Cyclodextrins capture lipids on the surface of viruses, like SARS-CoV-2

Improved Bioavailability



- Cyclodextrins increase solubility of active ingredient
- Carrier to deliver the active ingredient in anti-viral drugs

BIOSOLUTIONS

Leveraging Technology for Biotechnology-Based Growth

Strategic Focus and Roadmap

Unique Technology Platforms

- Develop fast growing biotechnology businesses
- Cutting-edge technologies and strong scientific background



Customer Focus

- Strong global track record: pre-clinical to commercial manufacturing in Biopharma
- Leveraging our know-how, experience and assets to service customer



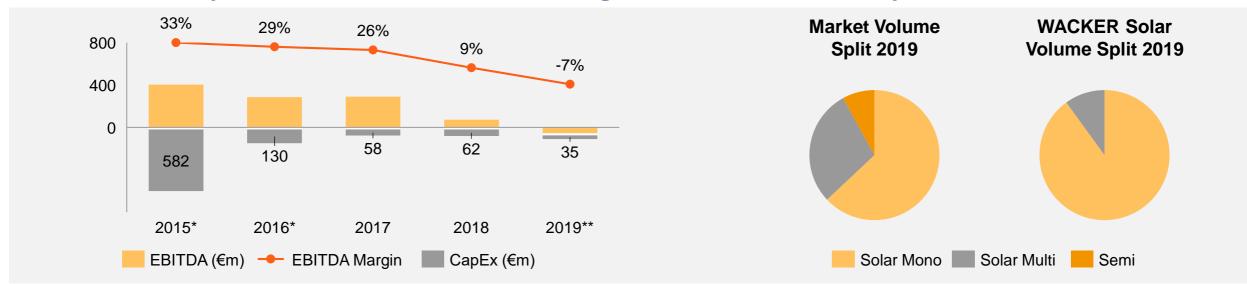
Commitment to **Growth**

- Continuous investments in innovation and growth
- Aligning organization towards strategic growth areas



POLYSILICON at a Glance

Market and Quality Leader in Semiconductor and High Performance Solar Polysilicon



Drivers for POLYSILICON

Mix Shift Towards Semi

- Leader in quality, quantity and cost
- ▶ Benchmark in process stability
- Recognized industry partner
- Supporting market growth from plants in Europe and US

High Quality Applications in PV

- Fast market conversion to mono
- Fierce price competition amid overcapacity
- 4x lower CO₂ footprint in production compared to Chinese competitors

Cost Roadmap

- Continuous cost reduction
- Reducing energy consumption
- Optimizing resource efficiency
- Improving labor productivity

*Operating EBITDA Margin **EBITDA excl. insurance compensation of €112.5m from 2017 incident in Charleston



POLYSILICON High Quality Polysilicon Required for Growing Semi Segments

Growth of Semi Market Driven by Highly Demanding 300mm Wafers



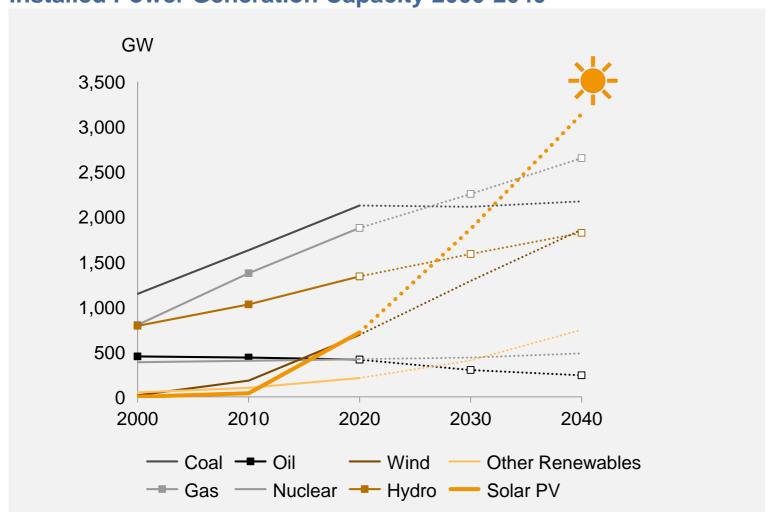
WACKER is Clear #1 in Semiconductor Polysilicon

- Consolidation ongoing in semi grade polysilicon market with 3 major suppliers left
- WACKER leading in quality, quantity and cost
- Only producer offering the full portfolio from clean handled to FZ
- WACKER is highly dedicated to semiconductor customers

Source: SEMI and WACKER Estimates

POLYSILICON Low Cost CO₂-free Power with Polysilicon for Photovoltaics

Installed Power Generation Capacity 2000-2040



Market Drivers

- PV is the fastest growing source of new power generation globally
- Annual PV installations represent ~35% of total yearly global power capacity additions
- Market shifts from subsidy driven to competitive pricing
- WACKER polysilicon enables highest efficiency PV systems with benchmark LCOE

Source: IEA Energy Outlook November 2019, Stated Policies Scenario

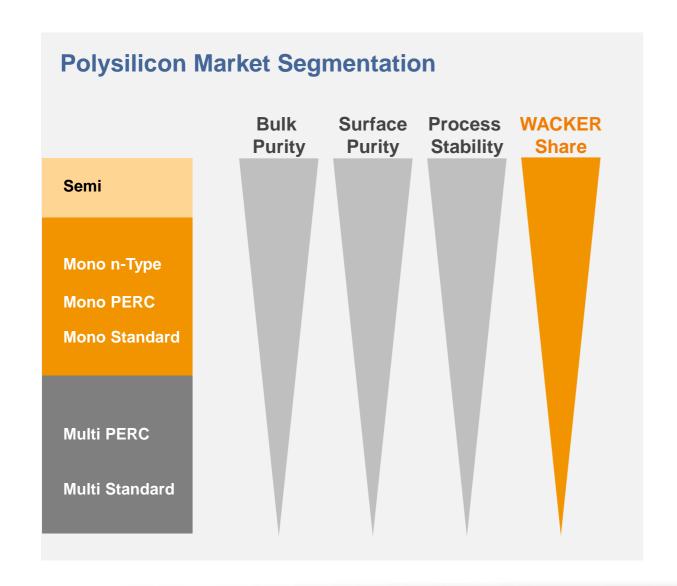
POLYSILICON Strong Rebound of Global PV Markets in 2021 Expected

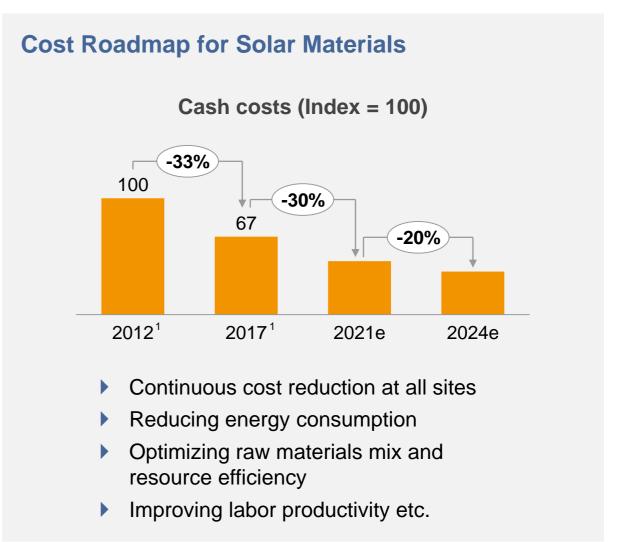
Country	2016	2017	2018	2019	2020	2021e
Germany	1.5	1.8	3.0	4.0	4.0 - 5.0	4.0 - 5.0
Spain	0.1	0.1	0.4	4.7	3.5 - 4.5	4.0 - 5.0
Europe other	4.8	4.9	8.1	13.0	11.0 – 13.0	14.0 – 18.0
Europe total	6.4	6.8	11.5	21.7	18.5 – 22.5	22.0 - 28.0
Australia	0.8	1.3	3.8	5.0	4.0 – 5.0	4.0 - 6.0
China*	32.5	52.8	44.3	30.2	30.0 – 35.0	40.0 – 50.0
India	4.3	9.6	8.5	7.3	5.0 – 7.0	9.0 – 11.0
Japan	8.4	7.4	7.0	7.5	6.0 - 7.0	6.0 - 7.0
USA	14.8	10.6	10.6	13.3	16.0 –19.0	18.0 – 22.0
Rest of Americas	3.0	3.4	6.0	7.5	6.5 - 7.5	8.0 – 10.0
Rest of World	7.7	8.1	13.3	26.0	24.0 – 27.0	33.0 – 36.0
Total	78 GW	100 GW	105 GW	120 GW	110 – 130 GW	140 – 170 GW

Sources: SPE, IHS, industry announcements, WACKER estimates; *China official data adjusted for installed/not connected capacity

POLYSILICON

Benchmark Quality and Aggressive Cost Reductions





1) without Tennessee

POLYSILICON Targeting High Performance Products at Low Costs

Strategic Focus and Roadmap

Operational Excellence

- Continuous cost reductions at all sites
- Sustainable production with low CO₂ footprint



Serving High-End Markets

- Focus on semiconductors and high performance solar
- Cost and quality leader in high quality polysilicon

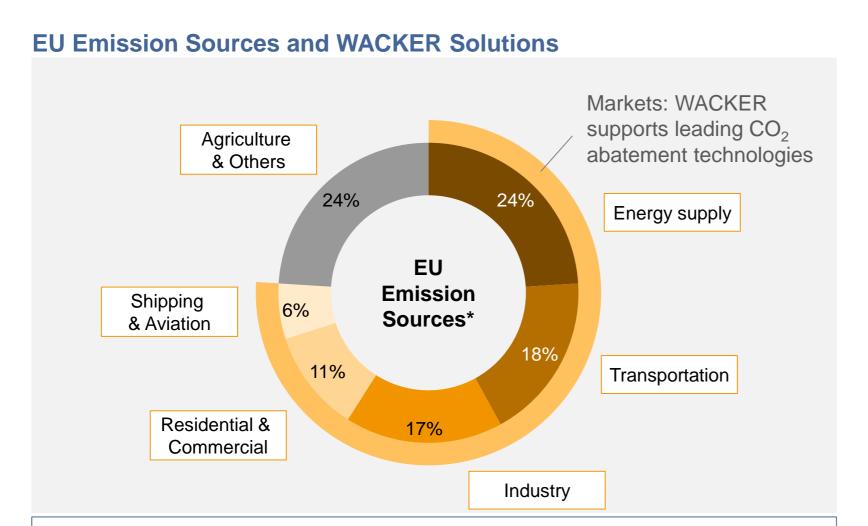


Fully Invested

- Leveraging our assets
- Semiconductor grade polysilicon in Europe and US



EU Green Deal Targets Climate-Neutrality by 2050 Catalyst for CO₂ Abatement Technologies Enabled by WACKER



WACKER Enables CO₂ Saving Technologies

- ▶ Energy supply

 → Polysilicon for PV solar, silicones insulators for grids
- ▶ Industry ↔ Silicones for advanced processing aids, defoamers
- ► Transportation

 Silicones enable EV's and fuel-efficient motors
- ▶ Residential & Commercial ↔ Polymer binders in external thermal insulation panels, weather resistant coatings
- Shipping & Aviation ↔
 Silicone de-foaling coatings and thermal insulation in aerospace



▶ €7trn needed to reach EU targets**

^{*} Eurostat 2017 ** Source: Goldman Sachs (2020) The EU Green Deal

Appendix: FY 2019 and Q3 2020 Results – P&L

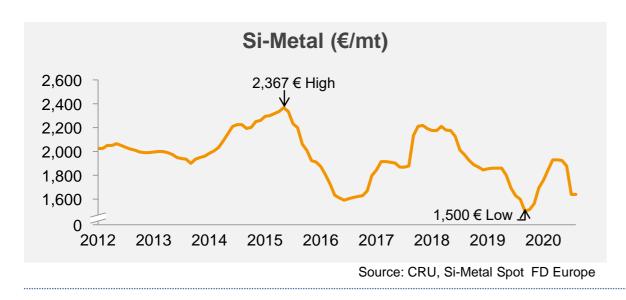
In €m	FY 2019	FY 2018	% YoY	Q3 2020	Q3 2019	% YoY
Sales	4,928	4,979	-1	1,183	1,268	-7
EBITDA	783 ¹	930	-16	191	273	-30
EBITDA margin	15.9%	18.7%	-	16.1%	21.5%	-
EBIT	-536	390	n.a.	91	137	-34
EBIT margin	-10.9%	7.8%	-	7.7%	10.8%	-
Net income for the period	-630	260	n.a.	68	86	-22
EPS in €	-12.94	4.95	n.a.	1.30	1.67	-22
Capital expenditures	380	461	-18	45	88	-48
Depreciation / amortization	1,320	540	>100	100	136	-26
Net cash flow	184	862	>100	296	176	68

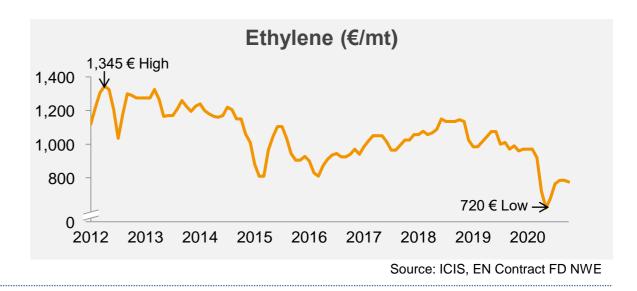
¹⁾ incl. insurance compensation of €112.5m from 2017 incident in Charleston

Appendix: FY 2019 and Q3 2020 Results – Breakdown by Business

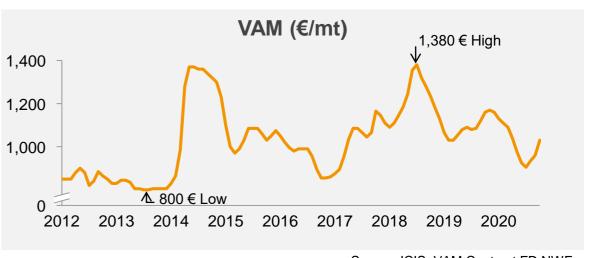
		FY 2019		FY 2018		Q3 2020			Q3 2019			
In €m / %	SALES	EBITDA	EBITDA MARGIN	SALES	EBITDA	EBITDA MARGIN	SALES	EBITDA	EBITDA MARGIN	SALES	EBITDA	EBITDA MARGIN
Chemicals	4,011	704	17.5%	4,009	788	19.7%	945	184	19.4%	1,029	183	17.8%
SILICONES	2,453	479	19.5%	2,500	617	24.7%	548	91	16.5%	633	127	20.1%
POLYMERS	1,315	194	14.8%	1,282	148	11.5%	340	85	25.0%	335	49	14.5%
BIOSOLUTIONS	243	31	12.8%	227	24	10.4%	57	8	14.0%	61	7	12.0%
POLYSILICON	780	57	7.3%	824	72	8.8%	211	8	3.7%	206	85	41.2%
Others	158	22	14.2%	171	71	41.4%	29	-1	-2.7%	37	4	10.5%
Consolidation	-21	0	-1.4%	-24	-1	-	-3	0	-	-5	1	-
WACKER Group	4,928	783	15.9%	4,979	930	18.7%	1,183	191	16.1%	1,268	273	21.5%

Appendix: Raw Material Prices with Volatile Development

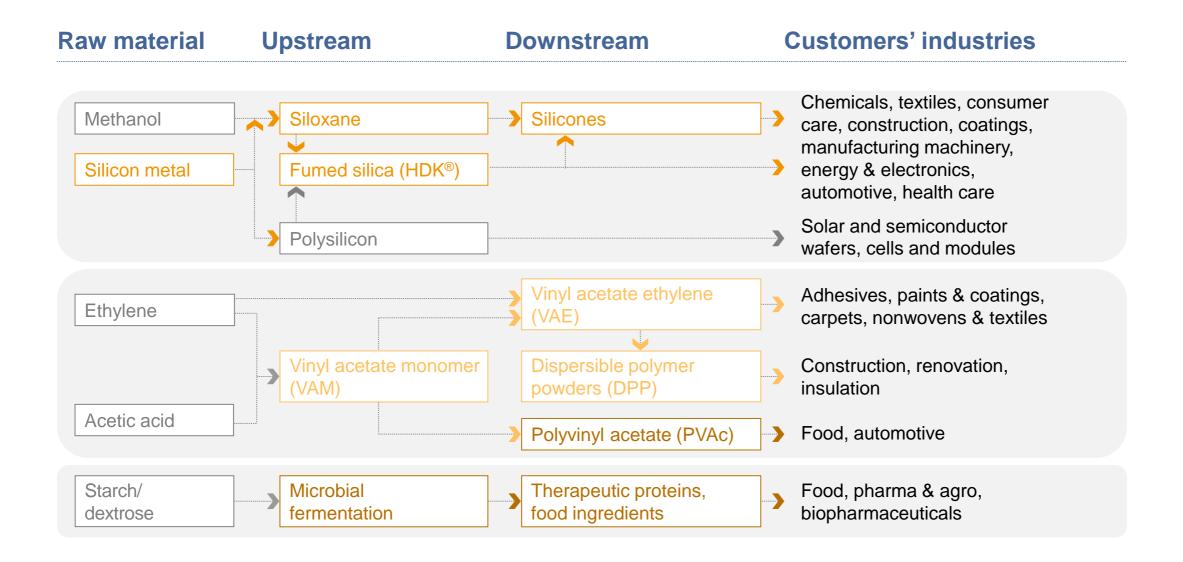




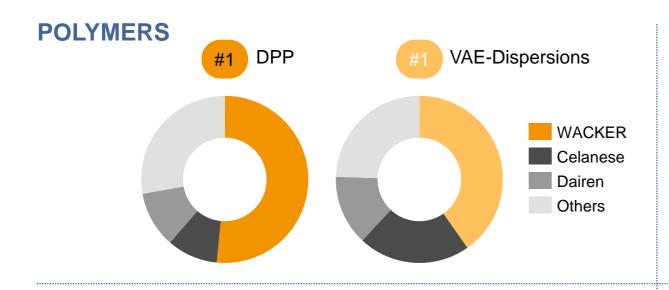


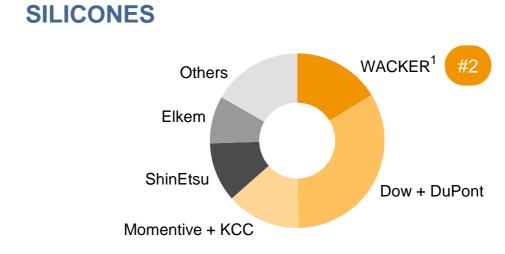


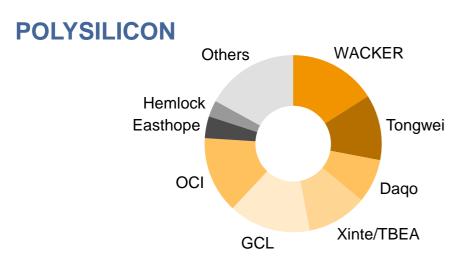
Appendix: Highly-Integrated Operations Based on Five Key Raw Materials

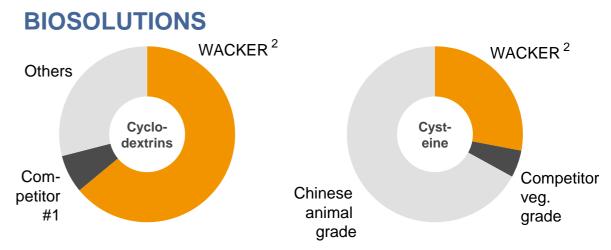


Appendix: Market Leading Positions









1) WACKER JV participations fully consolidated 2) Food only; Source: Industry Announcements; WACKER; Year: 2019

WACKER: Issuer, Contact and Additional Information

Issuer and Contact

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Additional Information



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Deutsche Börse WCH

Financial Calendar

12/17/20 Virtual CMD Series: SILICONES & POLYMERS

03/16/21 FY 2020 Results

04/29/21 Q1 Results 2021

05/12/21 Annual Shareholders' Meeting

07/29/21 Q2 Results 2021 **10/28/21** Q3 Results 2021

Publications

