

### FULL YEAR 2012 - CALL NOTE

Dr. Rudolf Staudigl (CEO), Dr. Joachim Rauhut (CFO), March 14, 2013

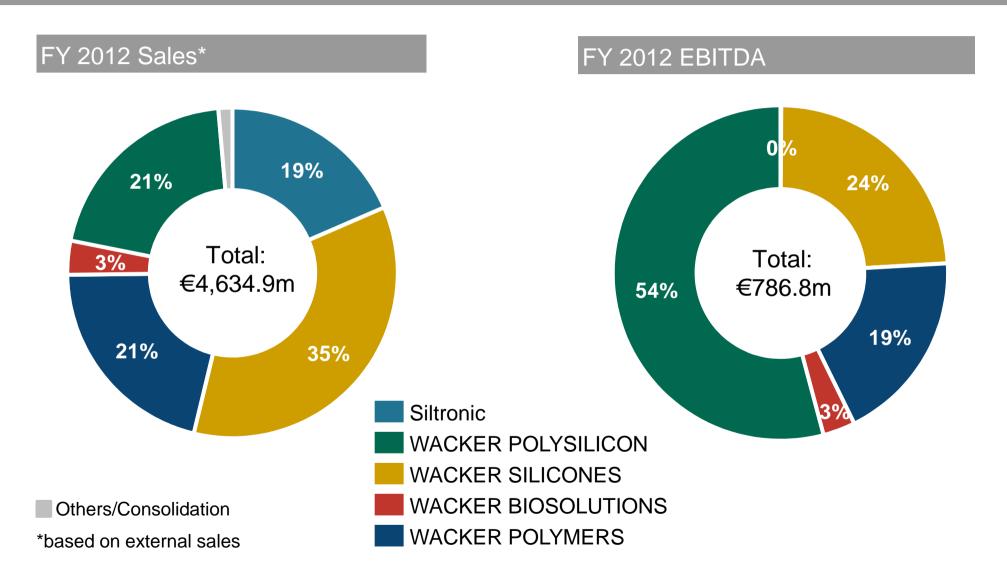
**CREATING TOMORROW'S SOLUTIONS** 

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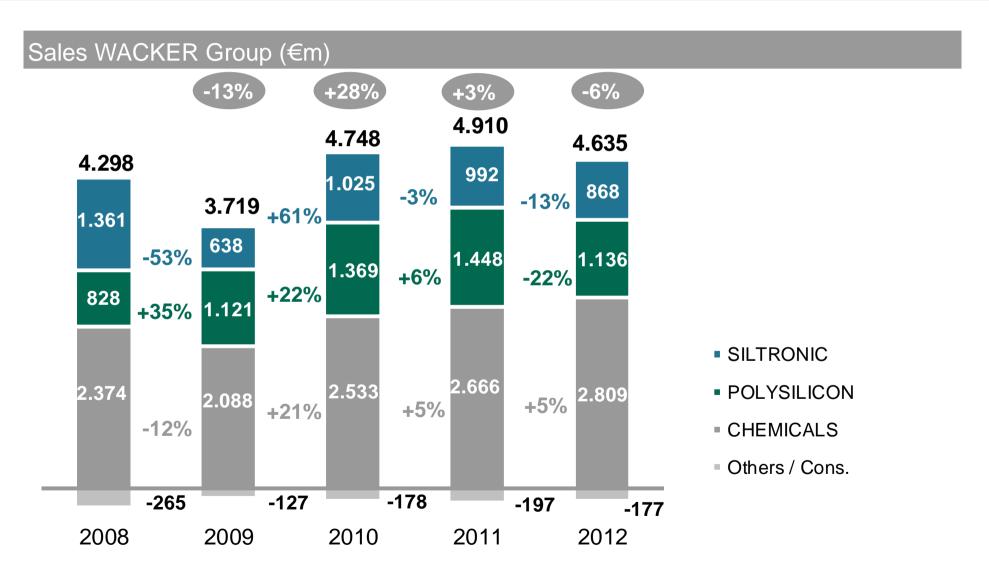


### STRONG PERFORMANCE IN SILICONES





# GROUP SALES DECREASE BY 6% VS. 2011, CHEMICALS WITH 5% GROWTH, SILTRONIC AND POLYSILICON BELOW 2011





# 2012: PRICE DECLINES IN POLY AND STRONG PERFORMANCE IN CHEMICALS

| €m                    | FY 2012 | FY 2011 | % YoY |
|-----------------------|---------|---------|-------|
| Sales                 | 4,634.9 | 4,909.7 | -5.6  |
| EBITDA                | 786.8   | 1,104.2 | -28.7 |
| EBITDA margin         | 17.0%   | 22.5%   | -     |
| EBIT                  | 258.0   | 603.2   | -57.2 |
| EBIT margin           | 5.6%    | 12.3%   | -     |
| Result for the period | 106.8   | 356.1   | -70.0 |
| EPS in €              | 2.27    | 7.10    | -68.0 |

Effects on Sales:

Volume/Mix +€270m (+5.5%)

Price -€703m, (-14.3%)

• Currency +€158m (+3.2%)

- Strong price declines in POLYSILICON and Siltronic
- Refinancing of Chinese JV supports Silicones operations



# SALES AND RESULTS 2012 BELOW PREVIOUS YEAR - BIGGEST IMPACT FROM PRICE DECREASES (€703M)

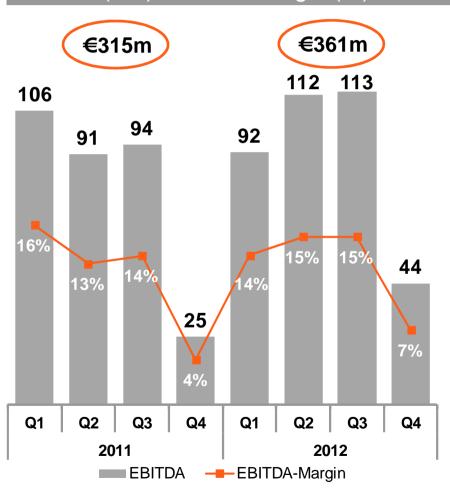
#### Key Messages for the Year 2012

- **Group** sales declined by 5.6% to €4.6bn Chemicals Divisions growing, **Siltronic** and **POLYSILICON** below previous year.
- **BIOSOLUTIONS** and **POLYMERS** with biggest growth (9% and 8%), **SILICONES** achieved moderate growth of 3%.
- **Siltronic** sales below previous year during the first three quarters. Q4 was on prior year level. EBITDA was break-even despite significant price declines and restructuring costs.
- POLYSILICON volume increased by ~20% but sales dropped by €300m due to price declines. EBITDA-Margin reduced to 38% (52% 2011), result includes retained prepayments and damages of €113m.
- Group EBITDA at €787m (margin 17%)
- Group Net Income €107m, €249m below previous year
- Capital expenditures (€1,095m) more than €100m higher than 2011.
- Net Cashflow €-536m (w/o prepayments), Net Debt €701m



#### CHEMICALS WITH 15% SALES AND 5% EBITDA GROWTH

#### EBITDA (€m)/EBITDA Margin (%)



#### Comments 2012

- Positive Volume and FX-effects
- Negative Price-effects
- Q4 2012 above Q4 level of 2011 (seasonal)
- Ramp of Siloxane-JV and fumed silica capacities in China
- Strong sales growth for VAE dispersions in North America



#### SOLID VOLUME DEVELOPMENT IN SILICONES

### WACKER SILICONES

| €m            | FY 2012 | FY 2011 | % YoY |
|---------------|---------|---------|-------|
| Sales         | 1,648.0 | 1,593.8 | 3.4   |
| EBITDA        | 189.3   | 182.9   | 3.5   |
| EBITDA margin | 11.5%   | 11.5%   | -     |
| EBIT          | 106.4   | 103.3   | 3.0   |
| EBIT margin   | 6.5%    | 6.5%    | -     |
| Capex         | 158.8   | 106.3   | 49.4  |

- Pricing pressure
- Higher Volumes
- Positive FX effect
- Utilization rate at the same level as 2011
- Raw Material in total remained on the high level of 2011, silicon metal price is easing
- Chinese Siloxane JV refinanced to improve local competitiveness



### STRONG PERFORMANCE IN CONSTRUCTION AND SUBSTITUTION MATERIALS

### WACKER POLYMERS

| €m            | FY 2012 | FY 2011 | % YoY |
|---------------|---------|---------|-------|
| Sales         | 1,003.1 | 928.1   | 8.1   |
| EBITDA        | 147.4   | 111.8   | 31.8  |
| EBITDA margin | 14.7%   | 12.0%   | -     |
| EBIT          | 110.7   | 76.2    | 45.3  |
| EBIT margin   | 11.0%   | 8.2%    | -     |
| Capex         | 58.8    | 30.4    | 93.4  |

- About 8% growth in sales yoy from volumes and product mix
- Sales exceed €1bn for the first time
- Raw material costs on level of 2011



# HIGHER VOLUMES AND POSITIVE FX EFFECTS SUPPORTED SALES 2012

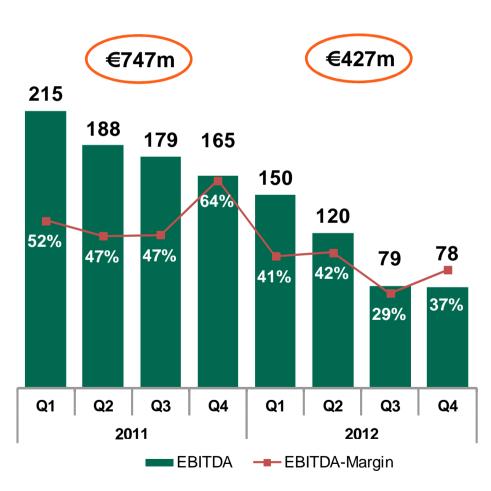
### WACKER BIOSOLUTIONS

| €m            | FY 2012 | FY 2011 | % YoY |
|---------------|---------|---------|-------|
| Sales         | 157.6   | 144.5   | 9.0   |
| EBITDA        | 24.5    | 20.4    | 20.0  |
| EBITDA margin | 15.5%   | 14.1%   | -     |
| EBIT          | 17.8    | 13.3    | 33.8  |
| EBIT margin   | 11.3%   | 9.2%    | -     |
| Capex         | 19.3    | 8.6     | >100  |

- Volume growth in 2012
- Expanding capacities for chewing gum base
- All activities with growth

#### POLYSILICON PRICES HALVED IN 2012

#### EBITDA (€m)/EBITDA-Margin (%)

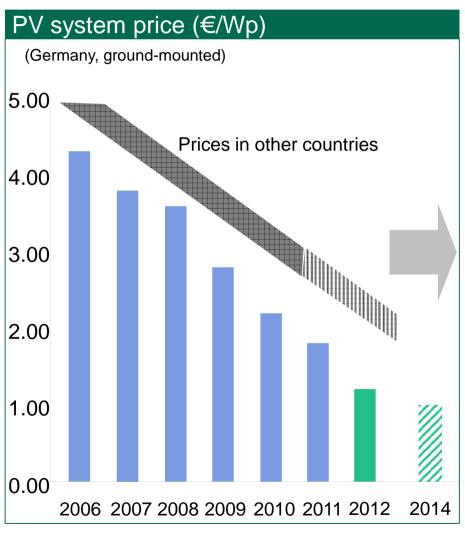


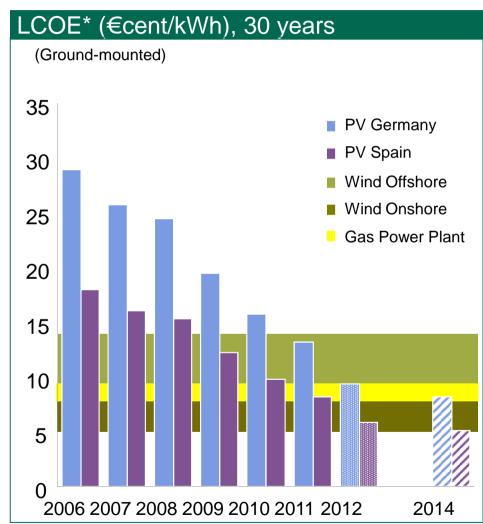
#### Comments 2012

- 20% higher shipments in 2012
- Large negative price effects vs. 2011
- Prepaid contracts with temporary adjustments to prices and volumes to address current market situation
- Includes €113m retained prepayments and damages from cancelled contracts



# FAST DECLINING PV SYSTEM PRICES – PV COMPETITIVE TO GAS AND WIND



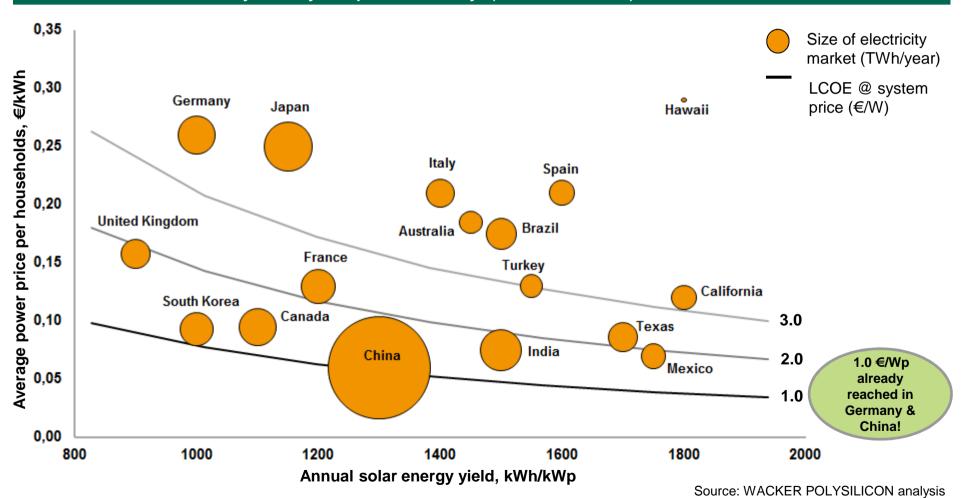


Source: LBBW 02/2009, Industry announcements, WACKER analysis; \* LCOE: Levelized Cost of Electricity



### DECLINING PHOTOVOLTAIC SYSTEM PRICES REDUCE LEVELIZED COST OF ELECTRICITY

#### Consumer Grid Parity Analysis per Country (no subsidies)





# STILL BIG REGIONAL DIFFERENCE IN RESIDENTIAL PV SYSTEM PRICE





2011Q1

1.00

0.00

Source: US Prices: SEIA/Greentech Media US Solar Insights Japan Prices: New Energy Promotion Council and WACKER estimate Germany Prices: EuPD and WACKER estimates China Prices: Solarbuzz

2012Q4

German Roof-top ASP

China Roof-top 2 MW

2011Q3

2011Q4

2012Q1

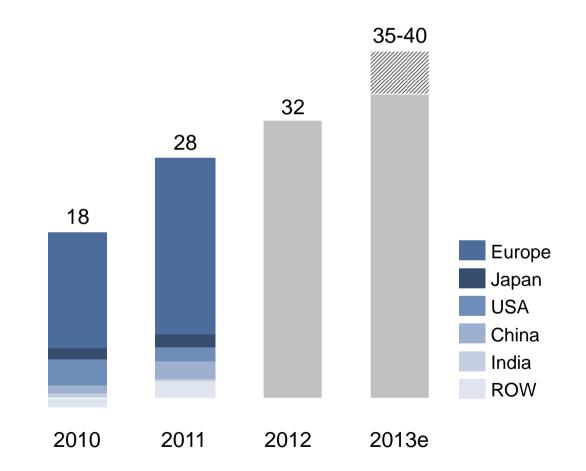
2012Q2

2012Q3

2011Q2

### 2012 RECORD AMOUNT OF NEW PV INSTALLATIONS - FURTHER GROWTH IN 2013 EXPECTED

#### New PV installations by region (GWp)



#### Growth Drivers

- Lower PV system price
- More countries adding incentives
- Increasing competitiveness

#### Challenges

- Potential trade war escalation between EU and China
- Adjustments of incentive structures for feed-in-tariffs

Source: EPIA; WACKER analysis



# DECLINING PRICES OPEN UP NEW PV MARKETS – USA AND ASIA WITH HIGH GROWTH POTENTIAL

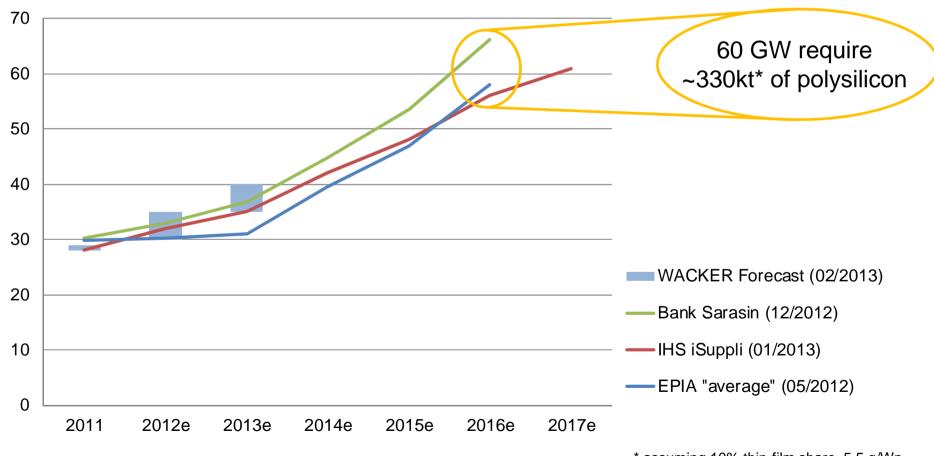
| Country        |        | CAGR  |               |               |            |
|----------------|--------|-------|---------------|---------------|------------|
|                | 2010   | 2011  | 2012e         | 2013e         | '10-'13    |
| France         | 700    | 1,700 | 1,200 - 1,300 | 1,500 - 1,800 | 20-30%     |
| Germany        | 7,400  | 7,500 | 7,600         | 3,800 - 4,500 | -15 / -10% |
| Italy          | 4,000  | 7,400 | 4,200 - 4,400 | 1,800 - 2,200 | -20 / -15% |
| Rest of Europe | 2,600  | 3,300 | 3,600 - 4,400 | 4,200 - 4,800 | 15-20%     |
| Australia      | 400    | 800   | 1,000 - 1,100 | 1,300 - 1,400 | 35-40%     |
| China          | 700    | 2,500 | 4,000 - 5,500 | 8,000 - 9,300 | 85-90%     |
| India          | 150    | 400   | 700 - 1,000   | 1,700 - 2,000 | 80-90%     |
| Japan          | 1,000  | 1,300 | 2,200 - 2,500 | 3,700 - 4,200 | 40-45%     |
| USA            | 900    | 1,900 | 3,000 - 3,700 | 5,200 - 6,000 | 55-60%     |
| Rest of World  | 500    | 1,300 | 2,800 - 3,500 | 3,800 - 4,200 | 65-70%     |
| TOTAL          | ~18 GW | 28 GW | ~30 - 35 GW   | ~35 - 40 GW   | 20-25%     |

Sources: EPIA 05/2010 and 02/2012, industry news, WACKER estimate  $\,$ 



### SOLAR PV MARKET IS EXPECTED TO DOUBLE BY 2016

#### Development of Global PV Installations (GW)

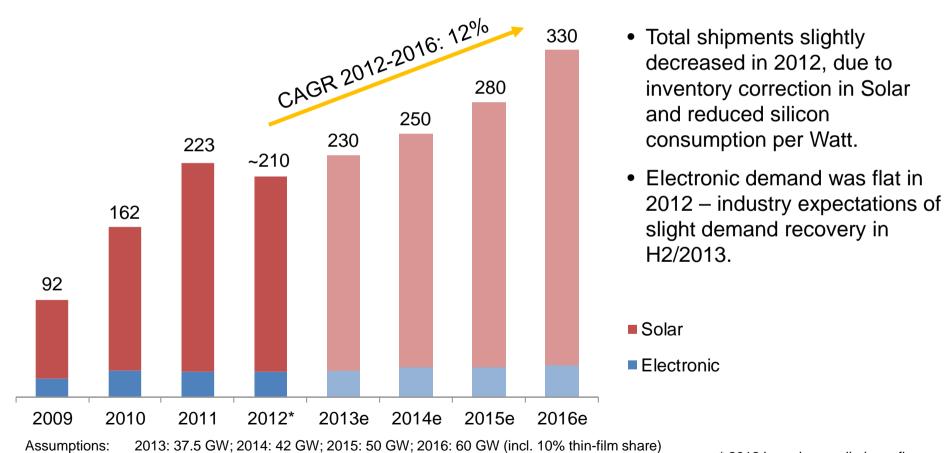




\* assuming 10% thin-film share, 5.5 g/Wp and 32kt for semiconductor

### POLYSILICON MARKET DECREASED IN 2012 – 12% GROWTH EXPECTED UNTIL 2016

#### Global Polysilicon Shipments [kt]



Silicon Consumption decreasing from 6.1 g/Wp in 2013 to 5.5 g/Wp in 2016

\* 2012 based on preliminary figures



Investor Relations, March 14, 2013, Slide 17

### STRONG GROWTH EXPECTED IN USA AND ASIA; NEW MARKETS IN LATIN AMERICA DEVELOPING

#### • 1,992 MW installed in Q1-Q3 (+82% yoy); strong growth in all segments USA • 2.8 GW of utility-scale projects under construction – as of February 11th • Further 21 GW under development • Nation-wide FiT\* + special roof-top program supporting all segments China • Chinese players estimate installations ~5 GW in 2012 and ~10 GW in 2013 Government increased PV target to 40 GW by 2015 • ~2.5 GW installed in 2012 (+31% yoy) • Public opinion after Fukushima disaster supports renewable energy Japan • Generous FiT triggers strong demand in Q1; still attractive IRRs after FiT cut by end of Q1 Argentina strong political support via FiT and net-metering led to 11 utility-I atin scale project announcements up to 5-100 MW each Brazil's national electricity regulator received applications for ~1 GW of PV **America** Chile's PV project pipeline reached 3.1 GW by the end of 2012



### AD-TARIFF FOR POLYSILICON IMPORTS TO CHINA AS POTENTIAL REACTION ON US TARIFFS ON CN MODULES

#### Timeline Anti-Dumping US - EU - China

 May 2012 US DoC condemns Chinese cell producers to anti dumping tariffs of approx. 35% in some cases even higher; industry draws aside in advance



Jul 2012 China investigates US and Korean solar materials imports



Aug 2012 China initiates European polysilicon imports investigation

\*\*\*\* \* \* \* \*<sub>\*\*</sub>\*

 Sep 2012 EU starts investigations on potential dumping of Chinese cell producers ("single most important AD-complaint in history" according to EU commission)

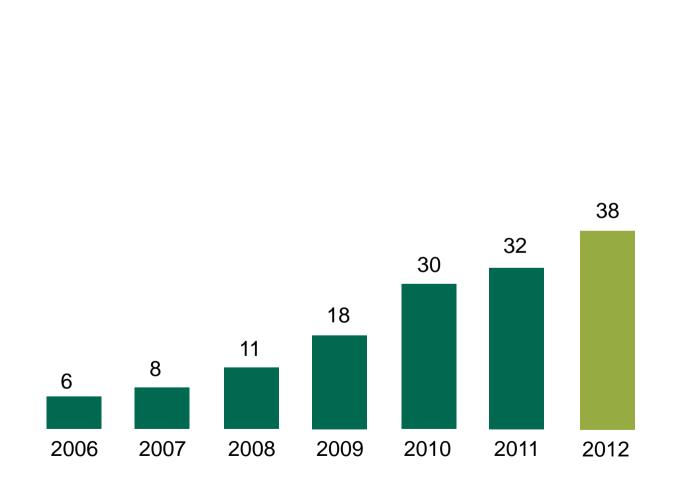
- Oct 2012 Final decision on US-tariffs for Chinese cells/modules: ~ 35% tariffs for most module producers confirmed. thin film not affected
- Feb 2013 MOFCOM decision on potential polysilicon tariffs remains open
- Jun 2013 June 9th latest date for disclosure of findings by EU authorities

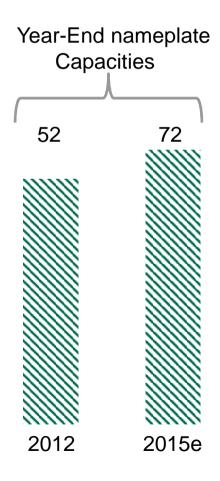
Source: Local customs authorities; WACKER analysis



# GROWING WITH THE MARKET - RAMP OF POLY 11 PLANT IN TENNESSEE EXPECTED MID 2015

#### Polysilicon shipments and year-end capacities (kt)







# POLY EXPANSION TENNESSEE (POLY 11) ON TRACK – PLANT CAPACITY OF 20 KT P.A. AFTER OPTIMIZATION

### Tennessee





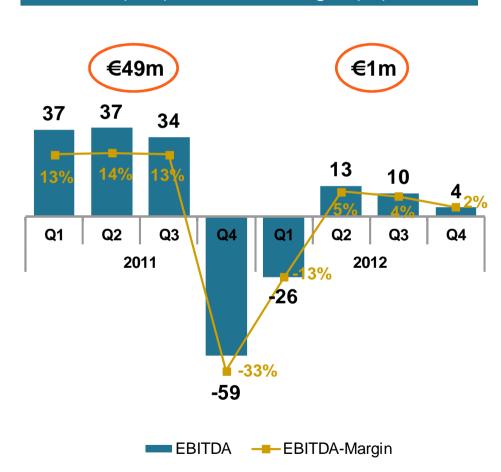
#### Milestones

- 01/2011-06/2011 site development
- 06/2011 start of construction work
- 06/2012 start of assembly work
- 2015 ramp up poly production timing was rescheduled and is flexible depending on market conditions
- Full capacity increases to 20kt due to plant layout optimization and process upgrades.
- About \$2bn total investment



### SILTRONIC EBITDA IMPACTED BY RESTRUCTURING COST – BREAK EVEN IN 2012 - FULL BENEFIT IN 2013 EXPECTED

#### EBITDA (€m)/EBITDA-Margin (%)



#### Lead-Site-Strategy/Profitability Focus

2011: - Closure of 200mm at Hikari

- €50m restructuring in Q4 2011

- Headcount reduction approx. 500

- Expected savings €30m p.a.

2012: - SD-Consolidation

- €15m restructuring in Q1 2012

- Expected savings €30m p.a.

#### Proforma Consolidation of Singapore JV\*

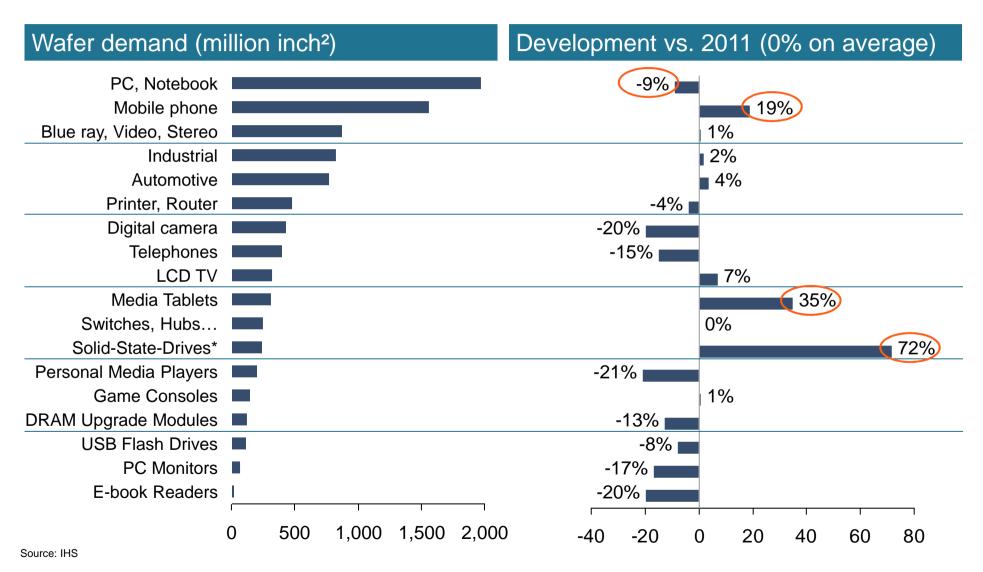
Sales €1,030m

EBITDA €114m (11% EBITDA margin)



\*Assumes full consolidation of the Joint Venture excluding restructuring. The 50:50 JV is currently acounted for at-equity, with a dilutive effect in 2012 on reported Siltronic EBITDA.

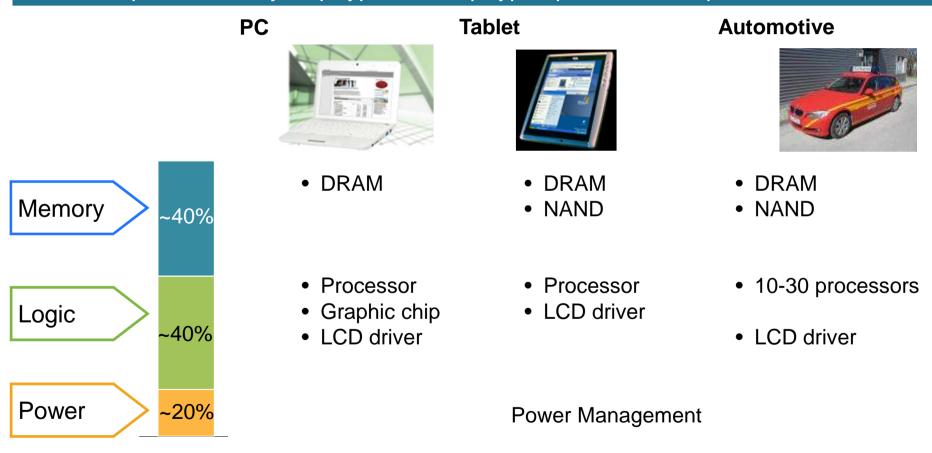
### GROWTH OF MOBILE DEVICES IN 2012 OFFSETS DECLINE IN OTHER SEGMENTS





### IN EVERY ELECTRONIC PRODUCT THERE IS MEMORY, LOGIC AND POWER MANAGEMENT

#### Si consumption share by chip-type and chip-types per electronic product

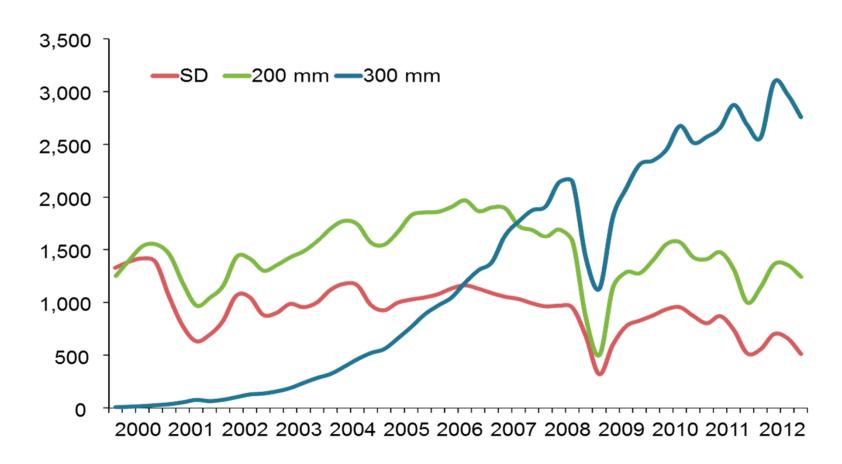


Source: WACKER analysis; CC-by fotopedia.com/items/flickr-2037438708



### 300MM AND 200MM ABOVE 2011 LEVELS; 200MM BENEFITS FROM SMALLER DIAMETERS SHIFT

#### Wafer market by diameter (million cm²)



Source: SEMI; SD = Small Diameter



# HIKARI CLOSURE (200MM) AND SD CONSOLIDATION SUCCESSFULLY EXECUTED

### Siltronic production sites Hikari Freiberg 200mm Burghausen **Singapore Portland** SSW 300mm ■ SD in mn cm<sup>2</sup> / month 200 mm in K W / month

- SSW as 300mm lead site
- <300mm:
  - SD Freiberg closed 2009
  - 200mm Hikari closed 2012
  - SD Portland closed 2012
  - SD Burghausen with ongoing capacity adjustment
- Number of employees at the end of the year
  - 2011: 4,974
  - 2012: 3,978

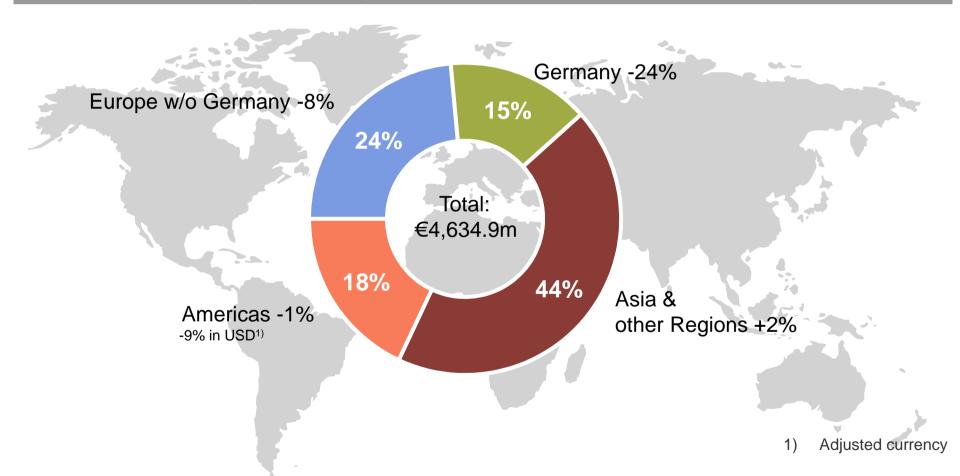
SD = small diameters



300 mm in K W / month

# WACKER GLOBALIZES FAST AS GROWTH CONTINUES IN ASIA

### FY 2012 Sales by Region, Changes YoY (%)





# FOCUS AREAS OF OUR INVESTMENT PROGRAM – GLOBALIZING OUR PRODUCTION FOOTPRINT

#### Investment Focus Areas 2007-2012

Burghausen, Germany



Singapore, Singapore



Nünchritz, Germany



Nanjing, China



Charleston, TN, USA

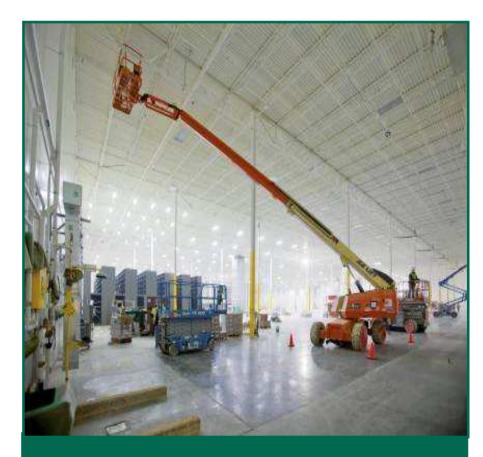


Zhangjiagang, China





### **EXPANDING POLYSILICON CAPACITY**



POLY 11: Production hall in Charleston, TN



POLY 9: Polysilicon deposition in Nünchritz, GER



### POLYMERS DOUBLES PRODUCTION CAPACITY IN ASIA



Polymers Site in Nanjing (China)

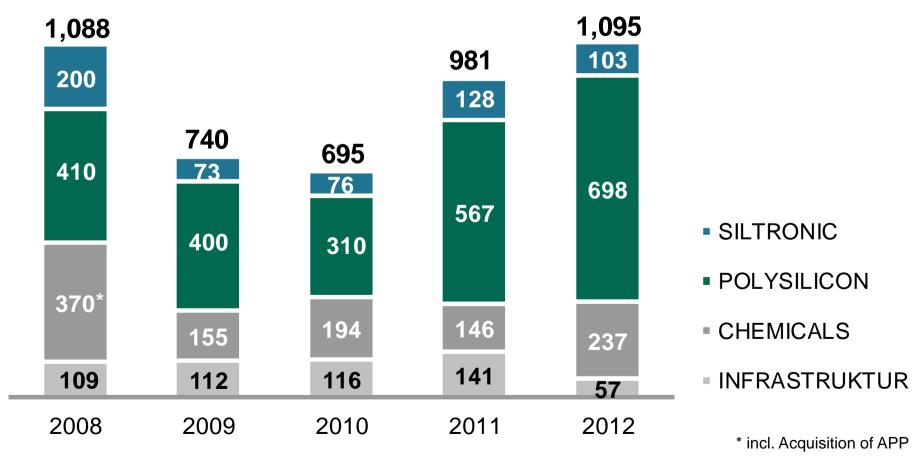


Production of Dispersions in Ulsan (South Korea)



# CAPITAL EXPENDITURES 2012 €1.1BN – MAIN DRIVER IS POLYSILICON

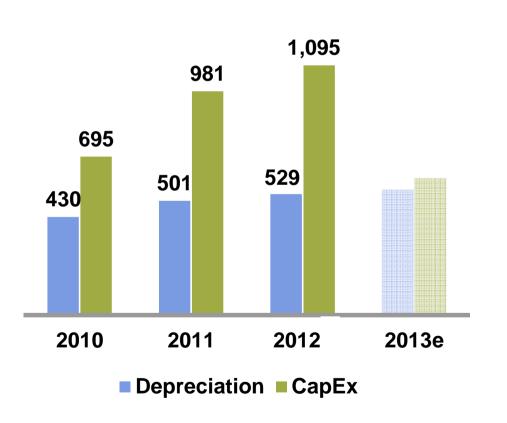
### Capital Expenditures WACKER Group (net, €m)





### REDUCING CAPEX GOING FORWARD – LESS CAPITAL INTENSIVE DOWNSTREAM PROJECTS

#### CapEx vs. Depreciation Expense (€m)



#### Remarks

#### 2010/2012:

- Fixed assets increase as investments consistently exceed depreciation
- Investment focus:
  - Capacity expansion in polysilicon
  - Localization of chemicals production assets

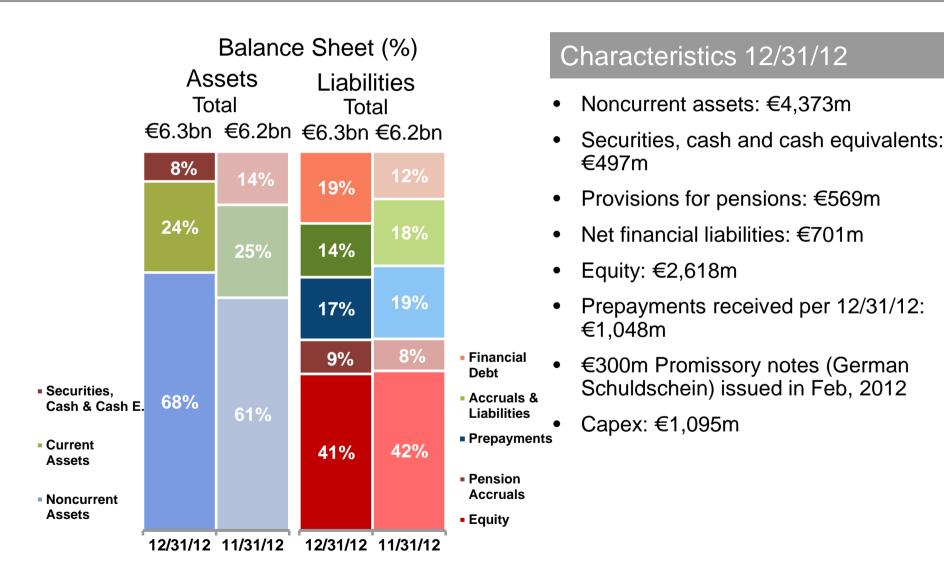
#### 2013 and 2014:

 Investment of ~€600m each year, thereof ~USD300m for Poly 11 in both years.

After capital intensive Upstream investments the focus now shifts to less capital intensive Downstream projects for the Chemicals business.



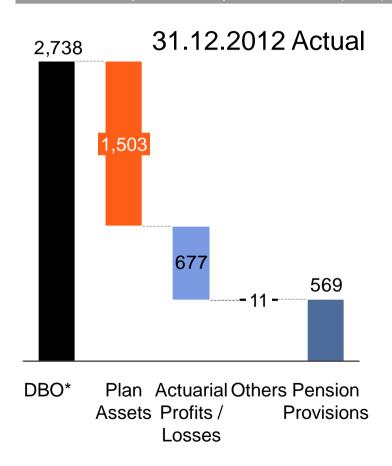
### NET DEBT RISING AS PLANNED – FIRM CAPEX AND WORKING CAPITAL CONTROLS IN PLACE





# IAS 19 EFFECTS ON BALANCE SHEET – PREVIOUSLY UNREALIZED ACTUARIAL LOSSES/GAINS IN OCI

#### WACKER pension provisions (€m)



#### Effect of new IAS 19 standard

- Alignment of IFRS practices with US GAAP
- Cancellation of corridor methodology will impact equity and results in quarterly changes to Other Comprehensive Income in Equity going forward

| €m, per<br>12/12/31          | Actual | Under New<br>IAS 19 |
|------------------------------|--------|---------------------|
| Equity                       | 2,618  | 2,128               |
| Total equity and liabilities | 6,330  | 6,520               |
| Equity Ratio                 | 41.4%  | 32.6%               |

\*DBO: Defined Benefit Obligation



### OUTLOOK 2013: FY SALES ON 2012 LEVEL, FY EBITDA BELOW 2012 LEVEL

#### Key Assumptions for 2013

**Group:** - Guidance assumes polysilicon prices at the level of Q4 2012.

- Uncertainties from Anti-Dumping procedures

Chemicals: - All segments with positive outlook and solid trend

Siltronic: - Recovery through the year, but prices on average below previous year

- Cost roadmap for 300mm established

**POLYSILICON:** - ASPs stabilized in Q1 2013, some positive price signals, still overcapacities

- Expect global installations to grow between 35 and 40 GW

- Aggressive cost roadmap in implementation

**Investments:** - Below €600m, close to depreciation level

**Net Cash Flow:** - Significantly less negative than 2012,

- Net financial debt increasing, target less than €1.0bn

**FX** - Assumed Ø annual exchange rate of USD/€ at 1.35



# WACKER: ISSUER, CONTACT AND ADDITIONAL INFORMATION

#### **ISSUER AND CONTACT**

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#### FINANCIAL CALENDAR

04/30/13 - Q1 Results 2013

05/08/13 - Annual Shareholders' Meeting

06/24/13 - Capital Markets Day, London (NEW)

07/30/13 – Q2 Results 2013 10/31/13 – Q3 Results 2013

#### **ADDITIONAL INFORMATION**

ISIN: DE000WCH8881

WKN: WCH888

Deutsche Börse: WCH

Ticker Bloomberg: CHM/WCH:GR

Ticker Reuters: CHE/WCHG.DE

Listing: Frankfurt Stock

Exchange

**Prime Standard** 







### SPECIAL EFFECTS ON EBITDA IN FY 2012E

| Division (€m)        | Special Effects   | Q1<br>2012 | Q2<br>2012 | Q3<br>2012 | Q4<br>2012 | Total |
|----------------------|---|------------|------------|------------|------------|-------|
| Siltronic            | Execution "Lead site strategy"                          | -14.8      | -          | -          | -          | -14.8 |
| WACKER POLYSILICON   | Retained prepayments & damages from cancelled contracts | 36.6       | 19.4       | 2.1        | 55.0       | 113.1 |
| Net Effect on EBITDA |   | 21.8       | 19.4       | 2.1        | 55.0       | 98.3  |

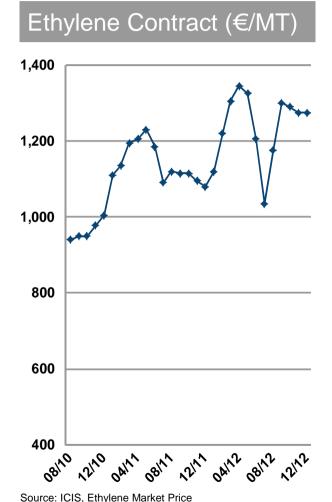
### Q4 BETTER THAN PREVIOUS YEAR, BUT FY BEHIND 2011 DUE TO PRICE DECLINES IN POLYSILICON AND SILTRONIC

|                       | SALES      |            |            |            | EBITDA     |            |            |            |
|-----------------------|------------|------------|------------|------------|------------|------------|------------|------------|
| in€m                  | Q4<br>2012 | Q4<br>2011 | FY<br>2012 | FY<br>2011 | Q4<br>2012 | Q4<br>2011 | FY<br>2012 | FY<br>2011 |
| CHEMICALS             | 647        | 606        | 2,809      | 2,666      | 44         | 24         | 361        | 315        |
| - WACKER SILICONES    | 392        | 357        | 1,648      | 1,594      | 23         | 6          | 189        | 183        |
| - WACKER POLYMERS     | 219        | 215        | 1,003      | 928        | 18         | 15         | 147        | 112        |
| - WACKER BIOSOLUTIONS | 36         | 34         | 158        | 145        | 4          | 4          | 25         | 20         |
| WACKER POLYSILICON    | 213        | 256        | 1,136      | 1,448      | 78         | 165        | 428        | 747        |
| SILTRONIC             | 185        | 180        | 868        | 992        | 4          | -59        | 1          | 49         |
| WACKER                | 1,017      | 1,012      | 4,635      | 4,910      | 130        | 111        | 787        | 1,104      |

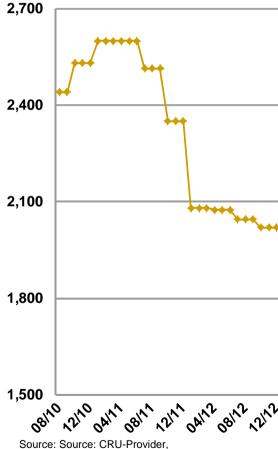
<sup>\*</sup> Group Sales and EBITDA incl. Others and Consolidation



### RAW MATERIALS: SLIGHT RELIEF EXPECTED IN 2013

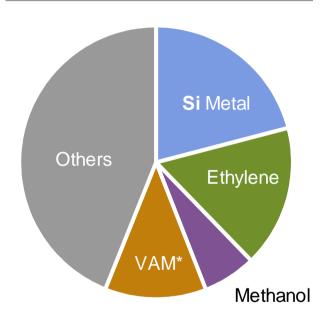






Si-Metal Contract Price Europe free delivered

#### Raw Materials 2012 (€m) Chemicals



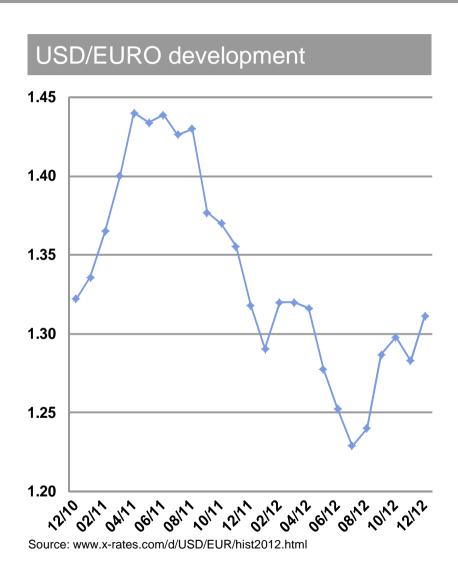
Costs of top 4 raw materials 21% of chemicals segment sales

\*VAM = Vinylacetate monomer

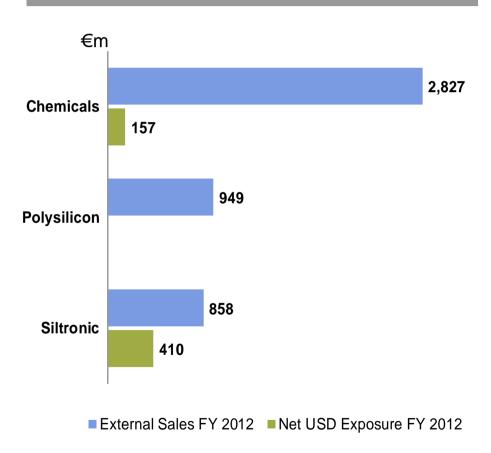


Europe, free delivered

# 1 CENT CHANGE IN USD/€ EXCHANGE RATE HAD AN IMPACT OF €4.4M ON FY-EBITDA IN 2012, UNHEDGED\*







\*Standard Hedging policy = 50% of net exposure, 12 months rolling forward

