

# Roadshow Presentation Q2 2013

# **Agenda**

- Q2 2013 earnings highlights
- Solvay at a glance
- A far-reaching transformation







# Q2 2013 Earnings Highlights

Forenote applicable to the entire section unless otherwise stated:

All references to 2012 P&L data are to be deemed restated for the new business organization effective as from January 1st 2013, the reporting of Solvay Indupa as discontinued operations and for the application of IAS 19 revised.

All P&L indicators referred to this document are to be deemed adjusted, unless otherwise stated as IFRS accounts. Adjusted indicators exclude non-cash PPA accounting impacts related to the Rhodia acquisition.

REBITDA refers to Operating result before depreciation and amortization, non-recurring items, financial charges and income taxes

# **Q2'13 Earnings Highlights**

## Solvay boosts its transformation amid challenging conditions

- Net sales down (4) % at € 3,062 m Volumes (1) %, prices (2)% and forex (1)%
- REBITDA at € 487 m, down (14)% YoY
  vs. last year 's demanding comparable
  - Consumer Chemicals at € 92 m, (40)% YoY, (19)% QoQ
  - Advanced Materials at € 160 m, (7)% YoY, +3% QoQ
  - Performance Chemicals at € 180 m, (4)% YoY, but marked QoQ improvement +16%
  - Functional Polymers at € 79 m, (9)% YoY, +10% QoQ
- Sold all remaining 3.5 mt CER hedged for 2013
- Important non-recurring items of € (97) m mainly for integration and Soda Ash related restructuring
- Net income Group share at € 148 m
- Free Cash Flow € 71 m; Net Debt € (1.6) bn

**Net Sales: € 3,062 m** 

REBITDA: € 487 m

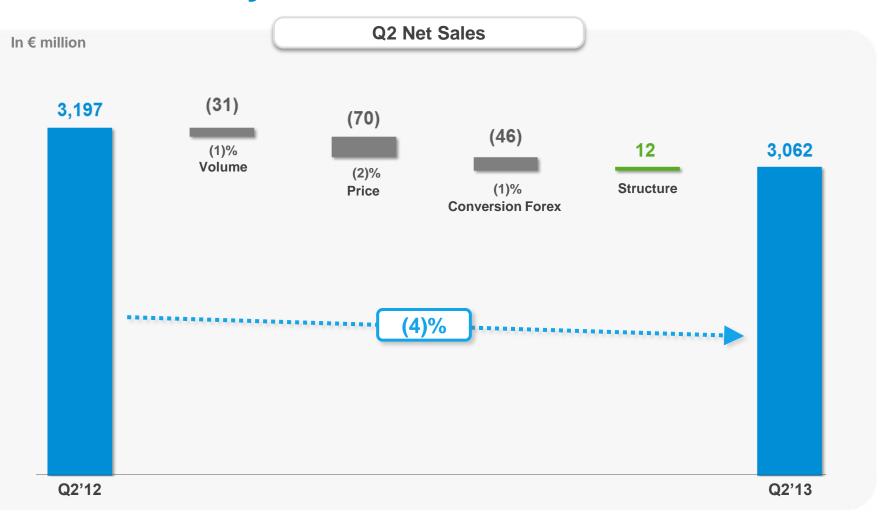
Net Income: € 148 m

**Group Share** 

FCF: € 71 m

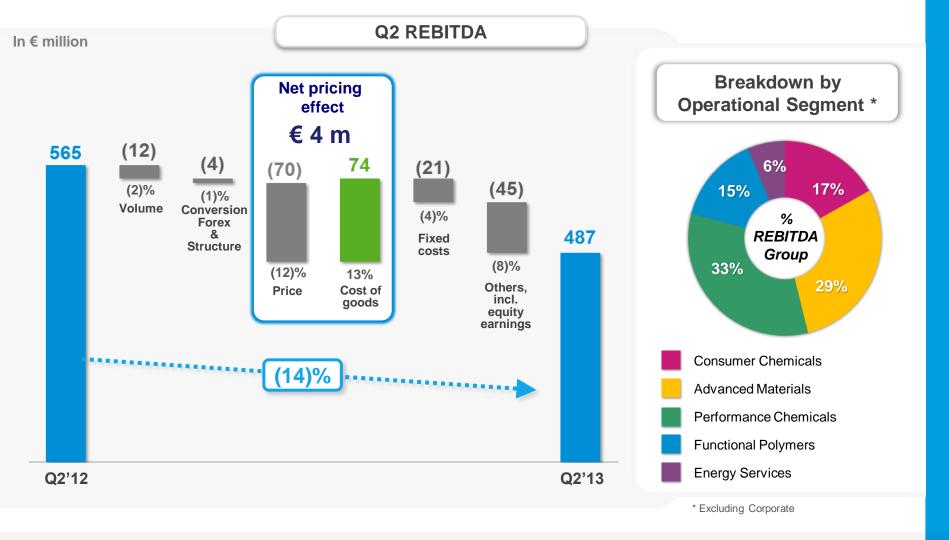


# Global demand slowdown, destocking and deflationary environment



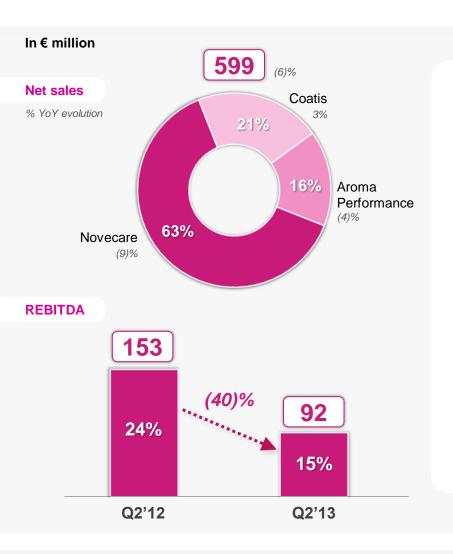


# Profitability declined due to activity levels and strong temporary destocking





## **Consumer Chemicals**



#### **Novecare**

- Derivatized guar solutions suffered from strong destocking as price fell, but solid in-the-field usage. Furthermore, as anticipated, no more benefits from last year's exceptional guar pricing conditions. Combined elements explain €(60)m REBITDA YoY drop
- Excluding guar, high single-digit profit growth in markets like Agro, HPC and Coatings

#### **Coatis**

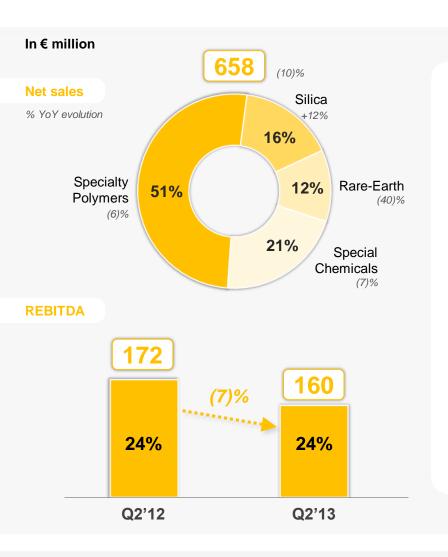
Stable performance

#### **Aroma Performance**

Food and Pharma markets resilient but inhibitors weaker



## **Advanced Materials**



#### **Specialty Polymers**

- Good dynamics in most markets but Energy
- Stable profit and strong margin

#### **Silica**

Record performance driven by volume and satisfactory pricing, illustrating improved penetration of energy efficient HDS solutions

#### **Rare-Earth Systems**

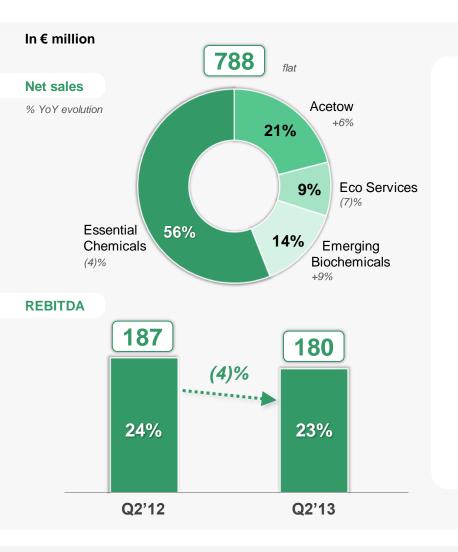
- Ongoing low volumes due to weak demand in Electronics while Catalysis solutions remained solid
- Continuing decrease of RE prices resulting in further margin squeeze

#### **Special Chemicals**

 Profitability improvement continued, benefiting from progress with the strategic exit of loss-making Life Science businesses



## **Performance Chemicals**



#### **Essential Chemicals**

- Contrasted performance:
  - · low soda ash demand in Europe
  - · resilience in Bicarbonate and Hydrogen Peroxide

#### **Acetow**

- New record performance
- Strong demand and pricing power
- Plants running at full capacity

#### **Eco-Services**

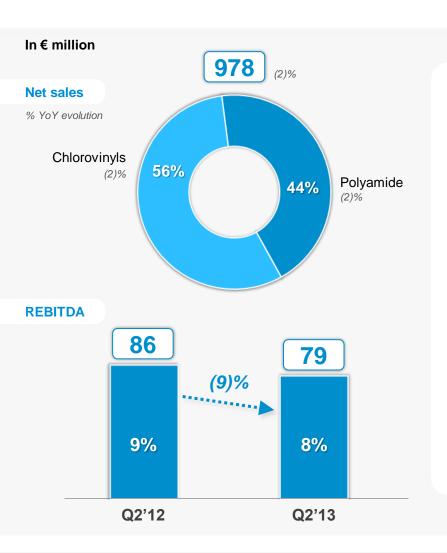
Resilient

#### **Emerging Biochemicals**

- Lower volumes and margin erosion in PVC
- Progressive ramp-up in Epicerol



# **Functional Polymers**



#### **Polyamide**

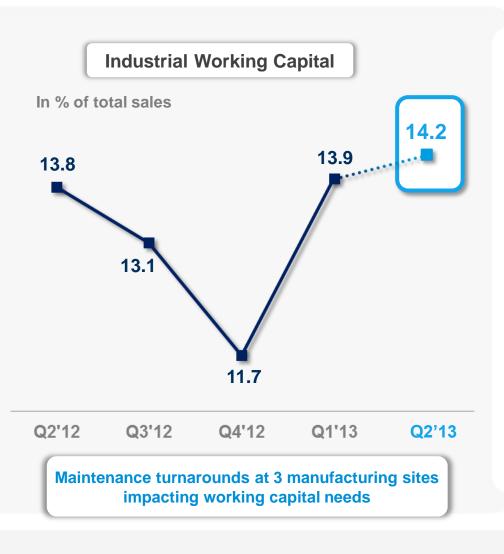
- Challenging overall competitive environment weighed on volumes & margins
- Polyamide's Butachimie pluriannual maintenance turnaround cost impact of € (6) m

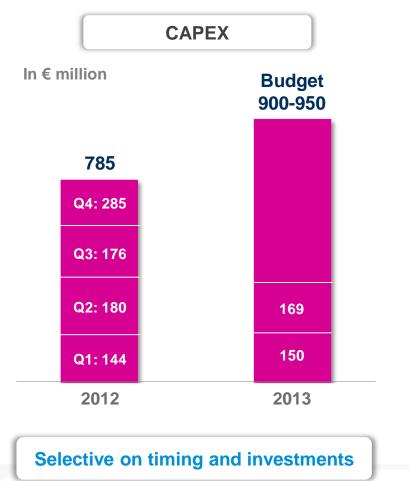
#### **Chloro Vinyls**

- Favorable volumes in Chlorovinyls thanks to exports
- Better volume effects more than offset poor trading conditions



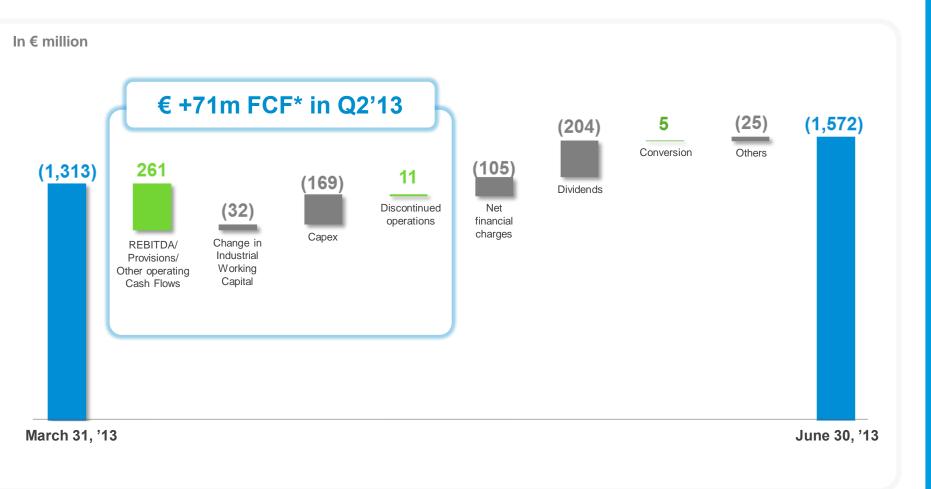
# Operational cash management and capex







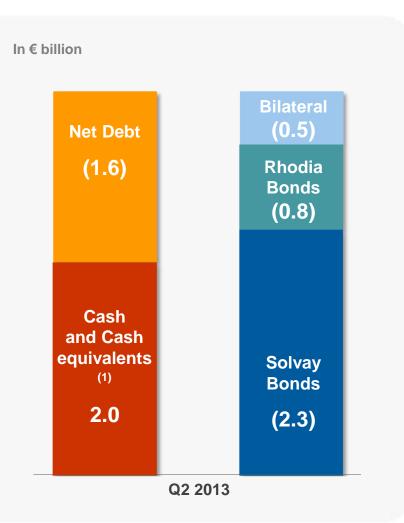
# Free Cash Flow positive; Net Debt increasing with dividend payment

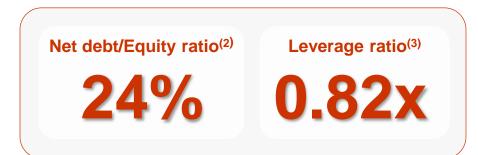


<sup>\*</sup> Free Cash Flow: Cash flow from operating activities (incl. dividends from associates and JVs) + Cash flow from investing activities, excluding acquisitions and sales of subsidiaries and other investments.

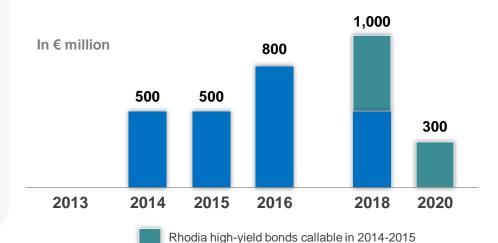


# Sound financial structure (IFRS)





#### **Long-dated maturity debt**



(3) Net financial debt/REBITDA last twelve months

Net debt to equity ratio: 65% Leverage ratio: 2,23X



<sup>(1)</sup> Cash, cash equivalents and other current financial assets

<sup>(2)</sup> Net financial debt/Shareholders' Equity



## **Outlook**

While we see some weak signs of improvement, this has yet to be confirmed in our order book. In a more challenging economic context, Solvay is confident in its ability to generate a REBITDA in 2013 comparable to last year's, excluding the impacts of the exceptional pricing of guar and the sale of carbon credits (combined totaling € 190 m in 2012). Our relentless execution of the operational excellence programs and accelerated transformation of the company will put us on a strong footing for when demand recovers.



# Forthcoming 2013 key dates for investors

- October 25: Third-quarter results
- November 11: Capital Markets Day\*

(\*) Date change



# At a glance

# A major global player in Chemicals with compelling strengths

## **Our strengths**

- 90% of sales in businesses among the top 3 global leaders
- Balanced geographical footprint
- Diversified end-markets
- A culture of Sustainability, Innovation and Operational Excellence

€12.4bn

**€2.1bn**Adjusted REBITDA

111 MAJOR INDUSTRIAL SITES

13
MAJOR R&D
CENTERS

29,100 EMPLOYEES 55 COUNTRIES

Accelerating a far-reaching transformation



# Diversified geographical footprint and end-markets





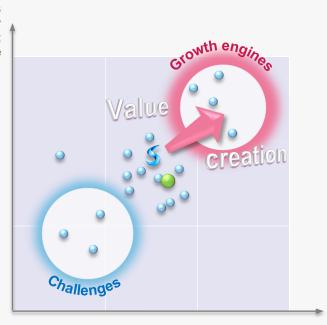


# Accelerating a farreaching transformation

# A Group in far-reaching transformation

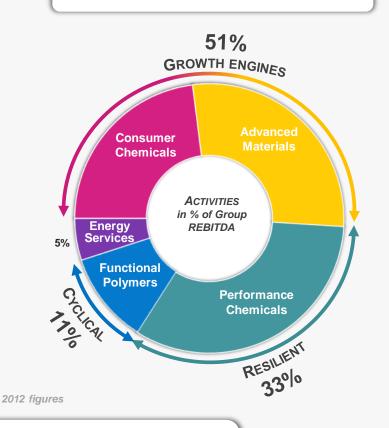
#### Well-defined strategic vision

Solvay's ability to extract value



Value creation potential of industries / markets served

#### **Clearly defined priorities**

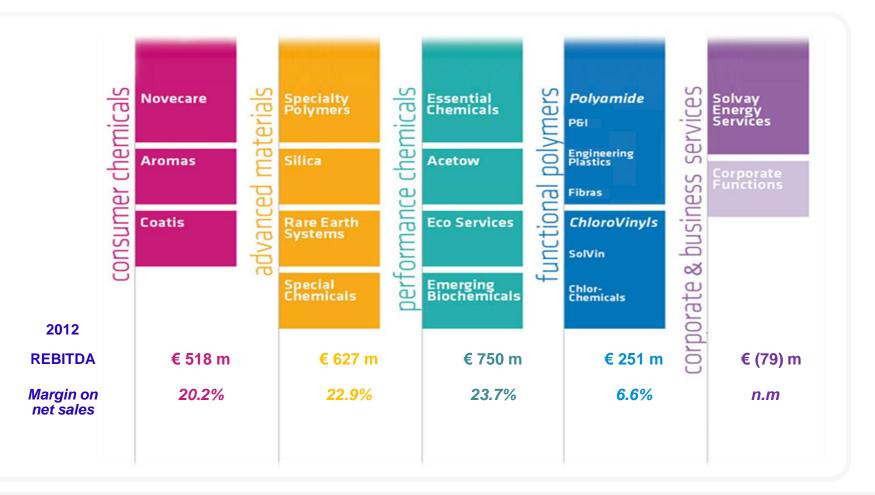


**Committed to value creation** 



# **Customer-focused organization**

- More decentralized
- Agile
- Closer to customer
- Entrepreneurial





# Accelerating in-depth transformation to enhance business profile

Deploying breakthrough action plans

Capturing integration synergies

Investing selectively

Growing through innovation



## Deploying breakthrough actions

**PVC** 

Reducing exposure to

cyclical Chlorovinyls

- ✓ JV 50/50 with INEOS
- √ Solvay Indupa planned sale

**Polyamide** 

Restoring profitability &

strategic flexibility

✓ 100 M€ REBITDA improvement by 2014

Soda Ash

Strengthening leadership & Improving competitiveness in Europe

√ 100 M€ REBITDA improvement by 2015



# Reducing Solvay's exposure to cyclical Chlorovinyls



#### SOLVAY & INEOS TO CREATE WORLD-CLASS PVC PLAYER

- Strong industrial logic: creation of a world-class PVC producer with low cost base and significant synergy potential
- JV to improve Solvay's financial metrics: REBITDA margin +170 bp (expansion to 18.3% from 16.6%) and CFROI
- Exit mechanism at fair valuation

SOLVAY INDUPA ASSETS HELD FOR SALE

COMPLETION DEALS EXPECTED BY END 2013



# **Restoring Polyamide profitability**

B R E A K T H R O U G H A C T I O N S

PVC Polyamide Soda Ash

#### **Cost Optimization**

- Variable costs
- Fixed costs

#### **Operational Excellence**

- Manufacturing / OEE
- Supply Chain
- Commercial Excellence / Differentiation

# € 100m REBITDA improvement by end 2014



# Improving Soda Ash industrial footprint and ensuring cost leadership



#### **BALANCING GLOBAL INDUSTRIAL FOOTPRINT**

- Regional market dynamics
- Cost-effectiveness

- ☐ GLOBAL DEMAND GROWING
  IN LINE WITH GDP
- EUROPE'S OVERCAPACITY

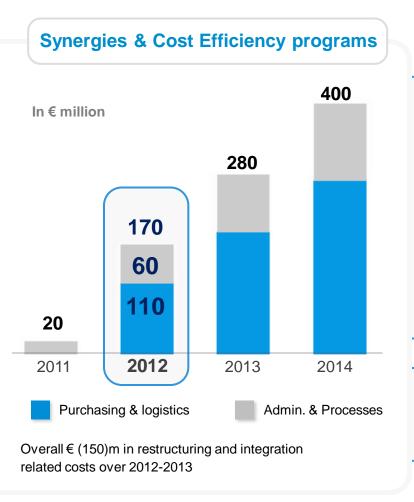
- UNLOCK TRONA-BASED CAPACITY IN THE US
  - + 250Kt/y, with limited investment
- IMPROVE EUROPEAN LEADERSHIP POSITION
  - Rationalizing capacity
  - Cost improvement program

## € 100m cost improvement by end 2015



# **Delivering on savings**

#### INTEGRATION-RELATED & HORIZON





Administration & Processes

€ 60m

N LINE

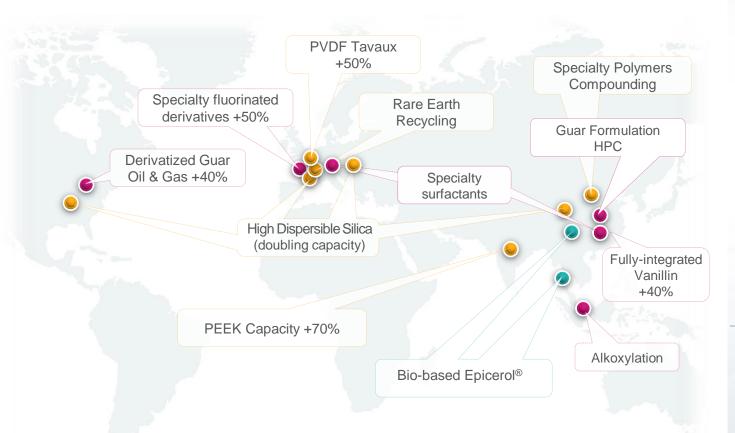
**FASTER** 

Š

MORE



# Investing selectively for future value-creating growth



CAPITAL
EXPENDITURES
In € million



Growth investments aligned with geographic dynamics and strategic priorities



## **Growing through innovation**

Major worldwide R&D centers

13

R&D employees

1,900

R&D spending

~€ 300 m € 85 m

Venturing & start-ups

New patents

300

Collaborative innovation projects

>100

2012 developments within GBUs

Renewable **Chemistry** 

**Organic Electronics** 

**Advanced** Materials & **Formulations** 

Sustainable **Energy** 

Ecoprocesses

Consumer **Chemicals** 

- · Pesticide anti drift
- **®**Starguar™
- Bio-sourced epichlorohydrin **Epicerol**®
- Biobutanol technology







High mechanical performance polymers for complex parts



- Lithium salts (LiTFSI) for LMP batteries
- Lithium-lon batteries -**PVDF** binder



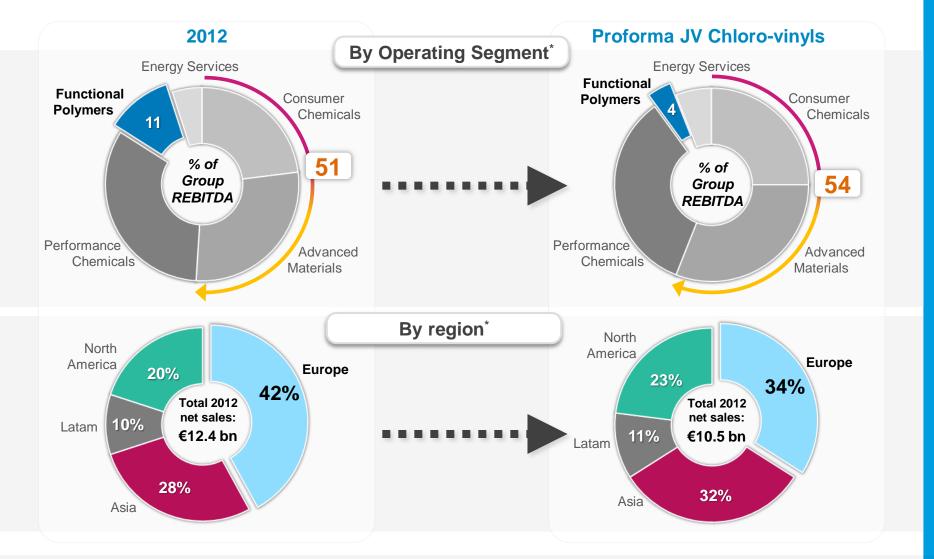
 Govanil™ vanilla flavors for bakery and chocolate



Providing today's and tomorrow's solutions



## **Enhancing Business Profile**





# Solar Impulse flight "Across America"







# Solvay Operating Business Segments

# Strong global leadership positions

World leader with 90% of its sales in businesses in which it is in the top 3

#1

**SPECIALTY POLYMERS** 

High Barrier Polymers, High-Performance Engineering Polymers & Compounds, Fluorinated Polymers

High-Performance Silica, Rare Earth Systems

SILICA & RARE EARTH SYSTEMS

**CONSUMER CHEMICALS** 

Specialty
Surfactants,
Phosphorus Chemistry
& Diphenols

Soda Ash Hydrogen Peroxide, & Sodium Bicarbonate

**ESSENTIAL CHEMICALS** 

POLYAMIDE & INTERMEDIATES

PA 6.6 Polymers, Intermediates & Engineering Plastics

#2

PVC Cellulose Acetate Fiber

#3

VINYLS & ACETOW



## **Consumer chemicals**

**Consumer Chemicals** serves the consumer products markets. Its growing product offering targets the societal megatrends (demographic growth, new modes of consumption, demand for safer, more sustainable products and renewable materials-based solutions).



€ 2,565 m **Net Sales** € 518 m **Adjusted REBITDA** 

FY 2012 figures



## **Consumer chemicals**

#### **NOVECARE** - Net Sales € 1,7 bn

- World leader in specialty surfactants, major player in the polymers, guar and phosphorus derivatives markets
- Main markets: formulations used in shampoos, detergents, paints, lubricants, plant protection, mining and oil extraction

#### **COATIS** - Net Sales € 0,5 bn

- Latin America's number 1
   producer of phenol derivatives,
   leader in oxygenated solvents
   (Augeo™)
- Main markets: Phenols and derivatives used in production of synthetic resins (foundries, construction, abrasives). Oxygenated solvents used in automotive, adhesives, inks, industrial coatings...

#### AROMA PERFORMANCE - Net Sales € 0,4 bn

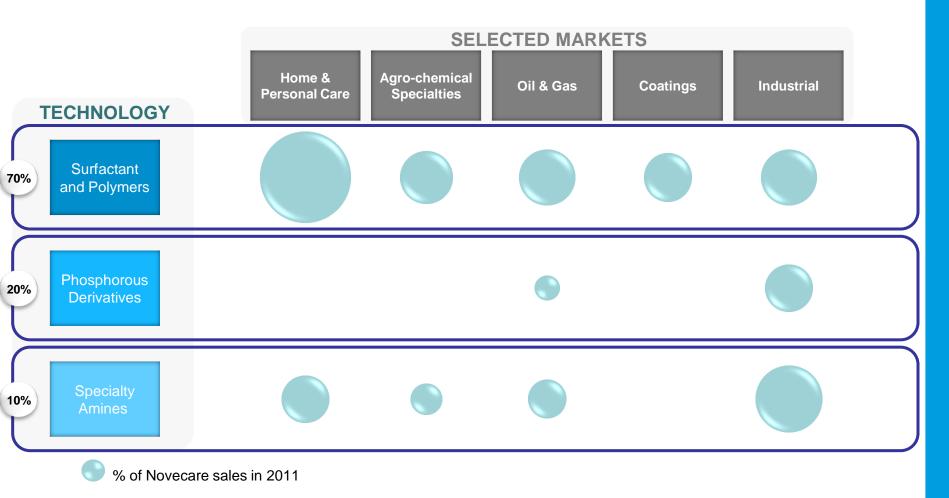
- World's largest producer of diphenols and fluorinated intermediates (vanillin Govanil™, ethylvanillin, monomers, inhibitors)
- Number 1 producer of vanillin
- Main markets: food and perfumery, pharmaceutical, agrochemical, electronics, petrochemicals, energy storage

FY 2012 figures





## Novecare leading technologies in diversified markets



«Inspired Products from Chemical Ingredients»



# Innovation focused on its leading technologies

Leading technologies addressing fast-growing market segments' needs

Surfactants & Polymers Leader in specialty surfactant segments developing blends formulations using synergies between surfactants and polymers for **multiple** applications and functions (drying, anti-drift, smoothing, thickening...)



- The Guar-vertically integrated world leader
- Innovation leadership in many major segments for Guar Derivatives

Phosphorous Derivatives

Multipurpose Phosphorus Derivatives Expert serving Water Management, Industrial markets and Home & Personal Care

Specialty Amines High value amine building blocks and flexible industrial assets allowing customized products



# Guar innovation addressing fast growing market segments

Leading bio-sourced technology for many applications & functions



#### **Best Process**

 Process leadership in derivatized delivers the best quality and enhances competitiveness in USA and China

#### **Unique position**



Oil & Gas gelling agent for fracturing in shale reservoir



- Tailor-made formulations for Key Accounts
- +40% production capacity in Vernon (USA) and in China starting in 2013



Personal Care Polymer for conditioner





Agro Water Retention



New project to start delivery in 2013
 Germination booster to increase agricultural yield

Agro Pesticide Anti Drift





- Tailor-made sustainable solutions for farmers
   > 60 M€ new business with strong IP by 2016
- New cationic polymers to deliver breakthrough performance
- Hipro plant supports global customer development in Asia



## **Advanced Materials**

Advanced Materials offers ultra-high-performance applications for aerospace, high-speed trains, health, low-energy tires, automotive emission control, smartphones and hybrid-vehicle batteries.



€ 2,743 m **Net Sales** € 627 m **Adjusted REBITDA** 



### **Advanced Materials**

#### **SPECIALTY POLYMERS -**

#### Net Sales € 1,3 bn

- World leader in specialty polymers and high-performance polymers such as polyvinylidene fluoride SOLEF®, PEEK and PAEK polymers
- Main markets: energy, medical applications, water, advanced transportation and communication devices

#### **RARE EARTH SYSTEMS**

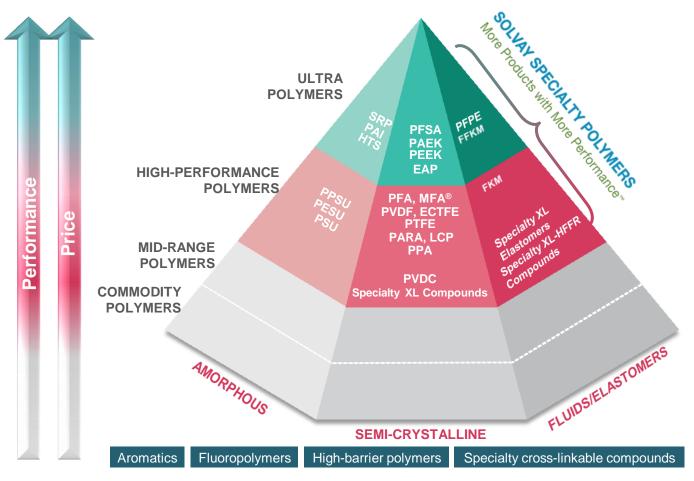
#### Net Sales € 0,4 bn

- Global provider of rare earthbased formulations for use in automotive catalysis, luminophores and polishing
- Main markets: catalytic converters (Eolys<sup>™</sup>, Actalys<sup>™</sup>, Optalys<sup>™</sup>), energy-saving light bulbs (Luminostar<sup>™</sup>), high value-added industries (flat screens, precision optics, etc.)





Leading at the top of the pyramid with the widest product portfolio



# Performance attributes

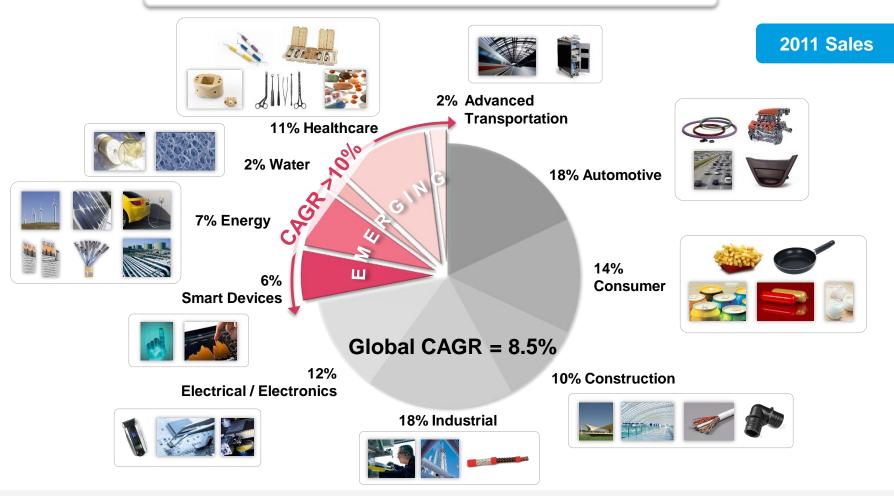
**Temperature Resistance Chemical Inertness** Weathering Resistance **Corrosion Protection** Water Repellency **Stain Repellency Electrical Inertness** Non Flammability **Fatigue Resistance Biocompatibility Extractables** Self-Cleaning **Transparency** Heat transfer **Processability Toughness Elasticity Barrier Tribology** Release Color Cost

### **Built on four product technologies**



# Serving well-diversified and highly dynamic markets

Emerging markets will be 60% of top line growth by 2016





# Specialty Polymers: broadest portfolio of high and ultra high performance polymers





## **Advanced Materials**

#### SILICA - Net Sales € 0.4 bn

- Inventor and leading global provider of highly dispersible silica
- Main market/products: fuel-saving tires (Zeosil), industrial applications, personal care (Texosil), nutrition products, food and animal nutrition)

#### **SPECIAL CHEMICALS**

#### Net Sales € 0.6 bn

- Among the world leaders in fluorine chemistry
- Provider of solutions for high-end applications such as heat exchanger fluids and lithium-ion batteries, Nocolok® flux used to produce lighter-weight aluminum heat exchangers, ...
- Main markets: energy conservation and storage, semiconductors, electronics, automotive, food processing, health and high performance materials







## **Performance Chemicals**

Performance Chemicals operates in mature and resilient markets, where success is based on economies of scale, competitiveness and service quality.

**ACETOW** 







**ESSENTIAL** CHEMICALS





EMERGING BIOCHEMICALS € 3,162m

Net Sales

€ 750 m

Adjusted REBITDA



## **Performance Chemicals**

#### **ESSENTIAL CHEMICALS**

Net Sales €1.8bn

- World's largest producer of soda ash, sodium bicarbonate and hydrogen peroxide
- Main markets: glass and detergents industries, pollution treatment, health, detergents, food, animal feed industries (Bicar® Z), SOLVAir®, chemicals, mining industry, disinfection

#### ECO SERVICES - Net Sales € 0.3 bn

- Number 1 in sulfuric acid regeneration in the United States
- Produces and regenerates sulfuric acid used in refineries, chemicals manufacturing and other industrial applications

FY 2012 figures

#### ACETOW - Net Sales € 0.6 bn

- World's number 3 producer of cellulose acetate
- Number 1 in the CIS and Latin
   America, number 2 in Western Europe
- Main markets: cigarette-filter manufacturers, textile industry, packaging cosmetics, food, and Accoya<sup>®</sup> acetylation technology, used to make ultra-resistant wood

#### **EMERGING BIOCHEMICALS**

Net Sales € 0.4 bn

- Produces bio-sourced epichlorohydrin, a key ingredient in epoxy resins, via Vinythaï subsidiary, which is responsible for the chlorovinyl and Epicerol® activities in Asia
- Main markets: consumers and industries (surface coatings, adhesives and glues, etc.)





## **Functional Polymers**

**Functional Polymers** brings together the chloro-vinyls chain and the polyamide activities to serve primarily the construction, infrastructure, automotive, electrical and electronics markets.

POLYAMIDE & INTERMEDIATES

ENGINEERING PLASTICS

**FIBRAS** 



SOLVIN

CHLOR CHEMICALS



€ 3,808 m Net Sales

€ 251 m
Adjusted REBITDA





# **Functional Polymers - Chlorvinyls**

#### **SOLVIN**

- Europe's leading vinyls company SolVin, a BASF-Solvay joint venture (75% Solvay),
- Chlorine production chain, with SolVin<sup>®</sup> PVC polymers and Vinyloop<sup>®</sup> recycled PVC,
- Main markets: construction.

#### **Plastics Integration**

- produces high performance PVC compounds,
- Main markets: construction markets (rigid profiles and profiles for windows, conduits, joints, wiring and cabling, consumer goods and medical supplies).

#### **CHLOR CHEMICALS**

- Chlorinated products not linked to PVC such as allyls and chloromethanes,
- Main markets: industry.





# **Functional Polymers - Polyamide**

#### **POLYAMIDE & INTERMEDIATES**

- Among the world's leading producers of polyamide 6.6 (Nylon) and its upstream
- Main markets: automotive, industrial equipment, construction, electrical and electronic components and ready-to-wear markets

#### **ENGINEERING PLASTICS**

- Global specialist in polyamidebased engineering plastics
- Produces high performance materials under the Technyl<sup>®</sup> brand, bio-sourced polyamide 6.10 Technyl eXten<sup>®</sup> used automotive industry and in manufacturing, Sinterline powders for three-dimensionalprinting
- Main markets: automotive, construction, renewable energies

#### **FIBRAS**

- Number one manufacturer of polyamide (nylon®) in Latin America
- manufactures and markets yarns and fibers based on polyamide 6.6, for textile and industrial applications such as EMANA® and AMNI® brands, used to produce high-performance 'smart' clothing





## **Corporate & Business Services**

Corporate and Business Services includes the Energy Services GBU and corporate functions such as Business Services and the Research & Innovation Center.





€ 157 m Net Sales

€ (79) m Adjusted REBITDA



# **Corporate & Business Services**

#### **ENERGY SERVICES**

- Designs innovative solutions to fight climate change
- 2 missions: optimize energy purchases, reduce energy consumptions and CO<sub>2</sub> emissions of the Solvay Group [à niveau de production constant]; assist third parties customers in reducing both their energy costs and their environmental footprints

#### **SOLVAY BUSINESS SERVICES**

- Internal structure developing shared value-adding services for the Group in Human Resources, accounting and IT
- Mission: ensure business continuity, optimize costs, create value and contribute to our customers' satisfaction with superior-quality services









# **Appendices**

## H1'13 Earnings Highlights

Net sales down (4) % at € 6,072 m
 Volumes (1.5) %, prices (1) % and forex impacts (1.5)%

- REBITDA at € 941m, down (13)% YoY against demanding comparable
- Important non-recurring items of € (137) m
   mainly restructuring plans for integration and business related
- Net income Group share at € 234 m
- Free Cash Flow<sup>(1)</sup> € 54 m; Net Debt € (1.3) bn

H1'13

Net Sales: € 6,072 m

REBITDA: € 941 m

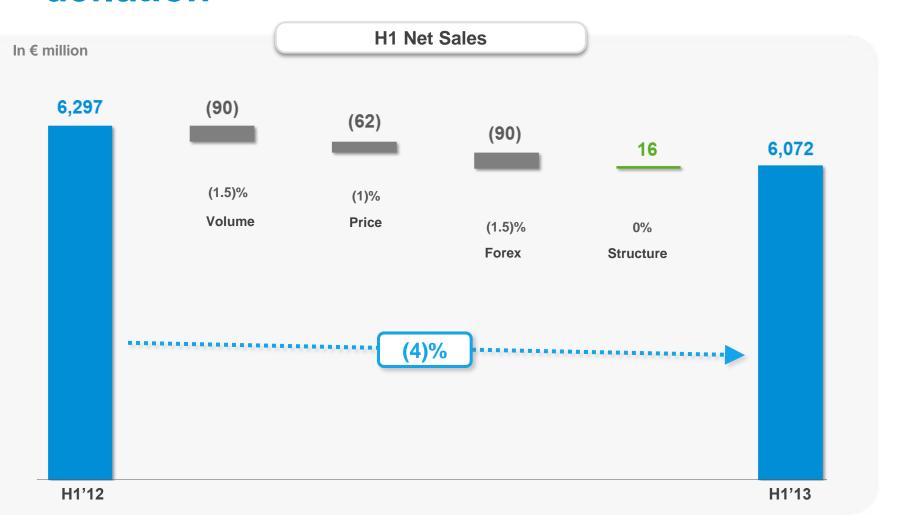
Net income: € 234 m

FCF: € 54 m

<sup>(1)</sup> Cash flow from operating activities (including dividends from associates and joint ventures) + cash flow from investing activities (excluding acquisitions and sales of subsidiaries and other investments)

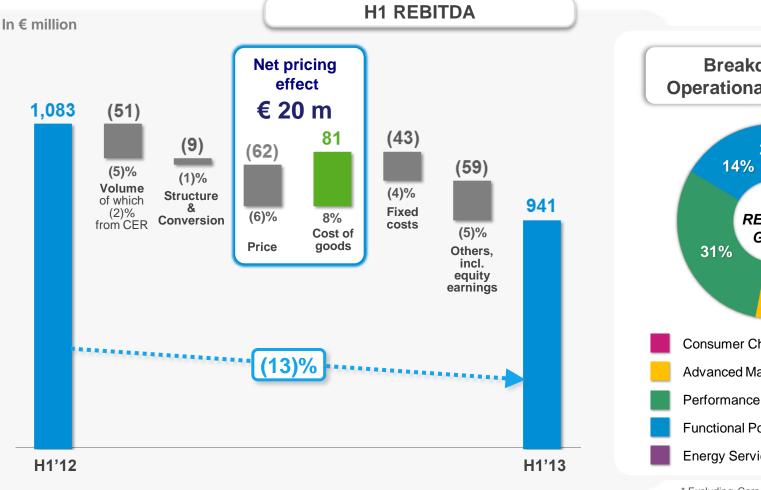


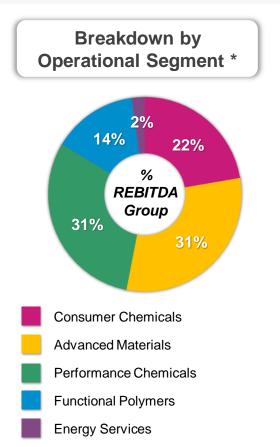
# Global demand slowdown, destocking and deflation





# Profitability impacted by low activity levels and phasing-out of CERs, while pricing power satisfactory

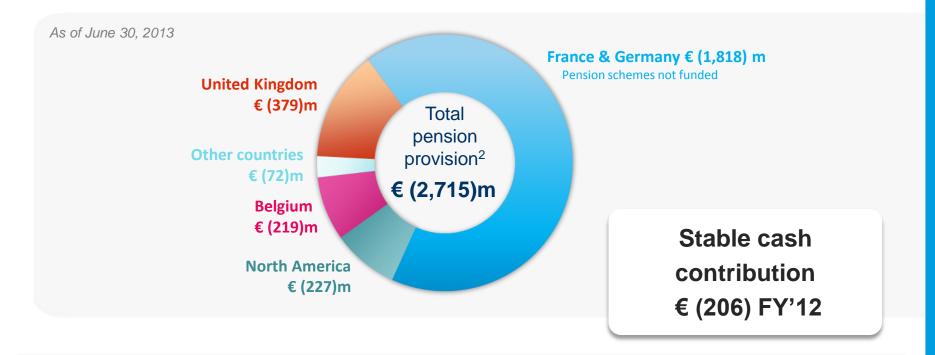




<sup>\*</sup> Excluding Corporate



# Well-managed pension<sup>(1)</sup> situation and stable cash-out



#### Discount rates used at Q2'13

3.84% average discount rate

• EUR: 3.25%

• GBP: 4.50% (increase of 25 bp since Q1)

• USD: 4.50% (increase of 75 bp since Q1)

Pension assets portfolio: € 1,985 m by Q2'13

- 50% Equities / Diversified alternative Funds
- 50% Bonds / Real Estate



<sup>)</sup> Post-employment benefits

<sup>(2)</sup> Due to IAS-19 Revised Net Liability increased by € 24 m

## Additional financial indications

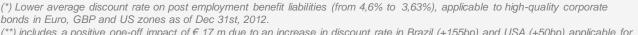
### P&L considerations 2013

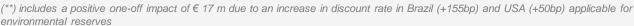
- Depreciation & amortization
  - Excl. PPA impact ~ € 670m yearly
  - PPA impact: ~ € 140m yearly
- Average cost of gross financial debt 4.9%
- Other financial expenses
  - Employee benefits (IAS-19) liabilities discounting costs ~ €(100)m in 2013 \*
  - Environmental liabilities related discounting costs ~ € (30)m in 2013, and one off €(16)m in Q2 13\*\*
- Tax rate
  - Around 30 %

bonds in Euro, GBP and US zones as of Dec 31st, 2012.



asking more from chemistry®







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## **Additional financial indications**

## Post –employment considerations 2013

# Limited impact from implementation of revised IAS 19 as from 2013 onwards:

- B/S impacts (Liability/(Equity)): one time increase in provision of € (24) m reported in Q1'13
- P&L impacts (increase of financial costs): € (10) m in H1'13

### 2013 projections (incl. impact from IAS 19)

P&L overall impact (\*): € (150) m to € (155) m in 2013

- ~ € (50-55)m Service costs
- ~ € (100)m Financial costs

Cash outflows: € 206m in 2012 and stable beyond







### safe harbour

"To the extent that any statements made in this presentation contain information that is not historical, these statements are essentially forward-looking. The achievement of forward-looking statements contained in this presentation is subject to risks and uncertainties because of a number of factors, including general economic factors, interest rate and foreign currency exchange rate fluctuations; changing market conditions, product competition, the nature of product development, impact of acquisitions and divestitures, restructurings, products withdrawals; regulatory approval processes, all-in scenario of R&D projects and other unusual items.

Consequently, actual results may differ materially from those expressed or implied by such forward-looking statements. Forward-looking statements can be identified by the use of words such as "expects," "plans," "will," "believes," "may," "could" "estimates," "intends", "goals", "targets", "objectives", "potential", and other words of similar meaning. Should known or unknown risks or uncertainties materialize, or should our assumptions prove inaccurate, actual results could vary materially from those anticipated. The Company undertakes no obligation to publicly update any forward-looking statements"

