BASF

The Chemical Company

Chemicals – Performance through chemical intelligence

Chemicals

BASF Segment Day Chemicals July 2008, London



This presentation may contain forward-looking statements. These statements are based on current expectations, estimates and projections of BASF management and currently available information. They are not guarantees of future performance, involve certain risks and uncertainties that are difficult to predict and are based upon assumptions as to future events that may not prove to be accurate.

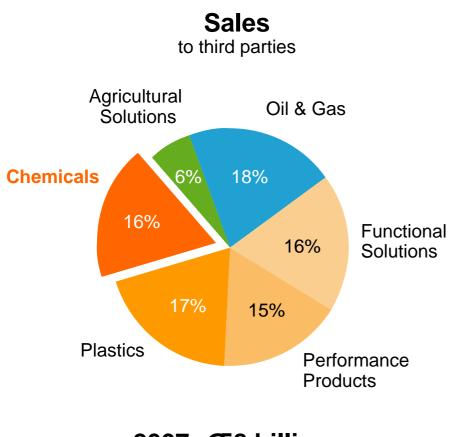
Many factors could cause the actual results, performance or achievements of BASF to be materially different from those that may be expressed or implied by such statements. Such factors include those discussed in BASF's Report 2007 on pages 106ff. We do not assume any obligation to update the forward-looking statements contained in this presentation. 1 | Chemicals

2 | Petrochemicals

3 | Inorganics

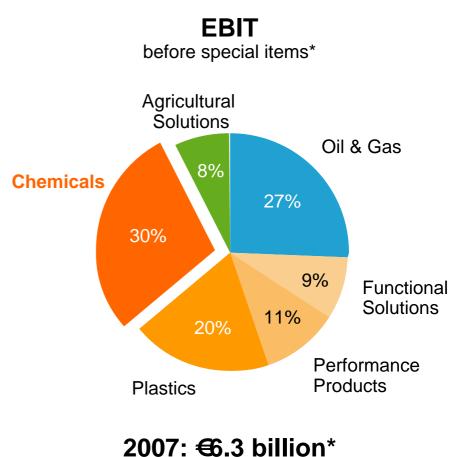
4 | Intermediates

Chemicals – strong contribution to BASF's profitability



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2007: €58 billion (Incl. other: €6.6 billion (12%))



(Incl. other: €(361) million)

Positioned at the heart of BASF's Verbund

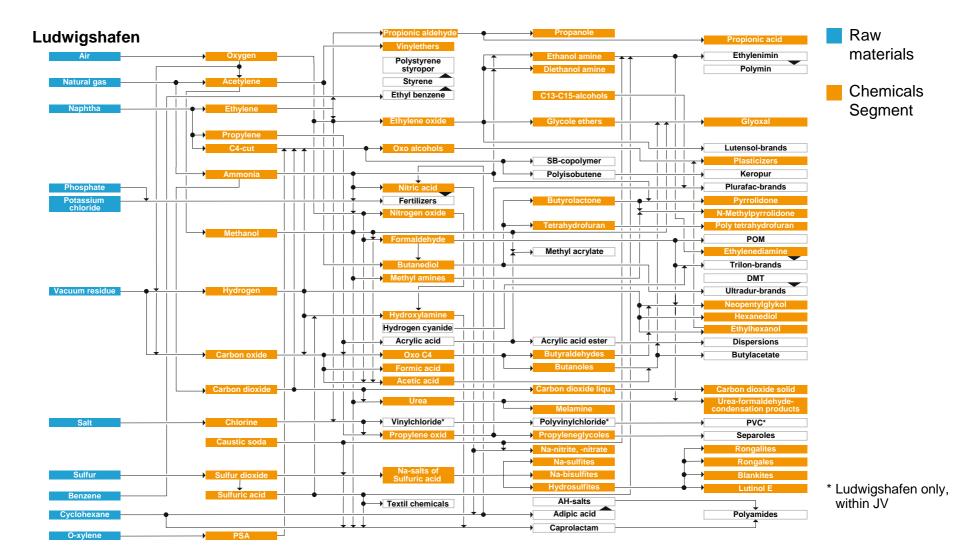
Supply the Verbund highly efficiently with competitive and reliable raw materials

Utilize plants with additional third party business

Grow value-added products to reduce cyclicality



Verbund is intelligence in chemistry

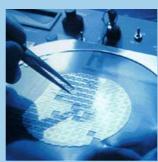


Strong positions across chemical spectrum

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Petrochemicals	Inorganics	Intermediates
 Cracker products Industrial gases Alkylene oxides and glycols Plasticizers Solvents 	 Inorganic chemicals Inorganic specialties Electronic materials Glues and resins 	 Amines Butanediol and derivates Polyalcohols and specialties Acids and special intermediates





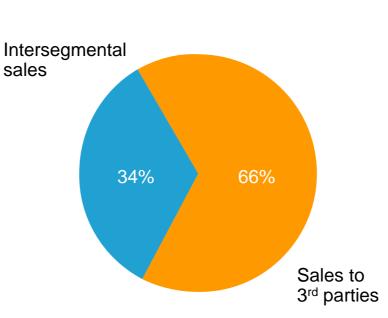


Balanced portfolio of internal and third party customers

Supply driven

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- Cracker products
- Industrial gases
- Alkylene oxides and glycols
- Inorganic chemicals, Ammonia and Methanol



2007 Chemicals consolidated sales: €14.1 billion

Market driven

- Plasticizers
- Solvents
- Amines
- Butanediol and derivates
- Polyalcohols and specialties
- Acids and special intermediates
- Inorganic specialties
- Electronic materials
- · Glues and resins

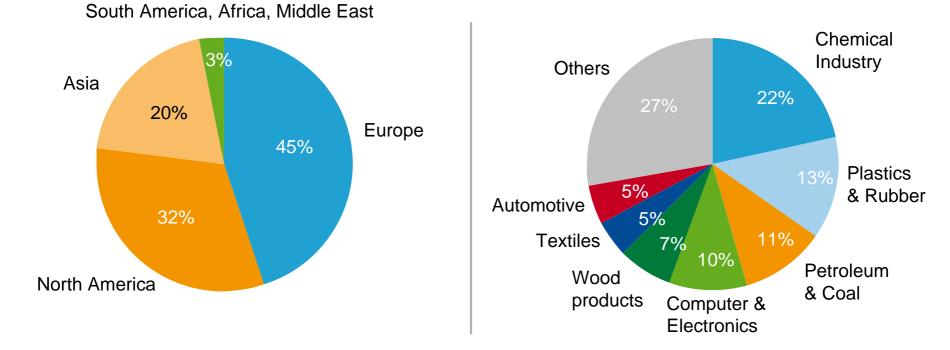
Balanced regional and industry portfolio

by region

BASE

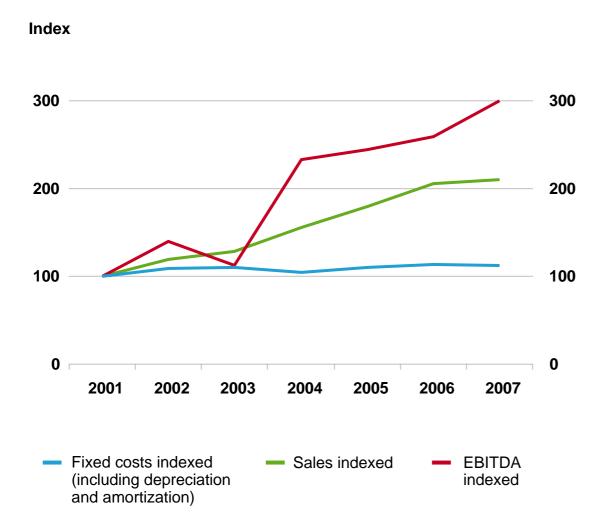
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2007 Chemicals sales to third parties: €9.4 billion

Relentless focus on operational excellence drives profitability



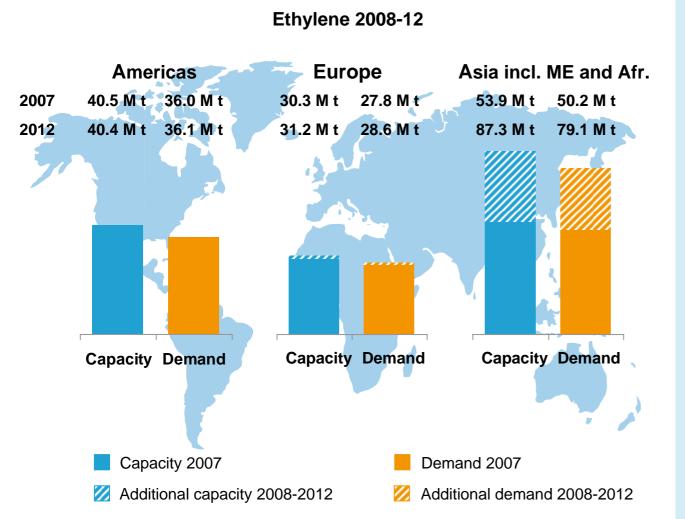
BASE

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BASF's "asset right" strategy:

- High capacity utilization
- Integration into Verbund
- Rationalization of older plants
- Investments into stateof-the-art technologies
- Consequent economyof-scale investments
- Increasing share of specialties
- Competitive raw material sourcing

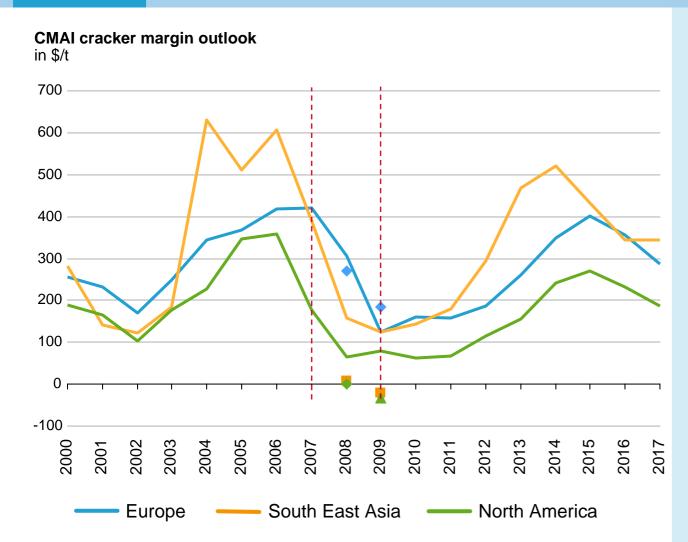
A challenging environment in cracker products



- Global demand growth requires
 +6 million t/a ethylene
- New capacities announced of 7 million t/a ethylene (>50% in ME/Afr.),
- Global growth of prosperity and of energy markets will quickly absorb additional capacities starting 2012

Possible impact of cracker margin decline on BASF is limited

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Forseeable margin squeeze 2008-2011 for cracker products

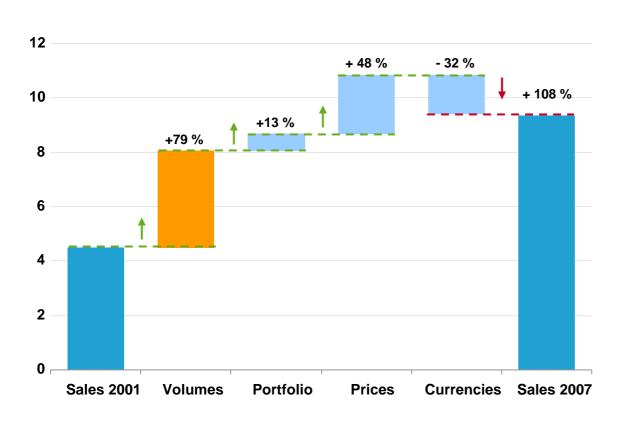
- Margin at risk for BASF is limited
 - Net effect: €400 million for BASF Group without Oil&Gas (~5% of BASF EBIT)
- Smart product spectrum reduces impact of margin decline on BASF performance

Source: CMAI; lines March 2008, dots June 2008

Growth of Chemicals mainly based on volume increases

In billion €

🗆 - BASE



Changes since 2001:

- New Verbund sites in Nanjing, Port Arthur, Kuantan
- PolyTHF in Caojing
- Numerous
 debottleneckings
- Acquisitions in electronic chemicals, plasticizers etc.
- Sale of Ethane cracker in North America
- Consistant restructuring in butanediol, alcohols, solvents and plasticizers

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Driving future growth

Strengthen position in growth markets

- Maintain profitability with strong value chains and technology leadership
- Extend into new products: Electronic materials, specialties
- Extend into growth market Asia
- Optimize supply to Verbund
- Capex budget 2008–2012: €2.1 billion

Active portfolio optimization

- Acquisitions in leading technologies and growth markets
- Closure and / or divestiture of underperforming businesses
- Strengthen and expand partnership portfolio (e.g. Sinopec/Nanjing, IBM/electronic materials)

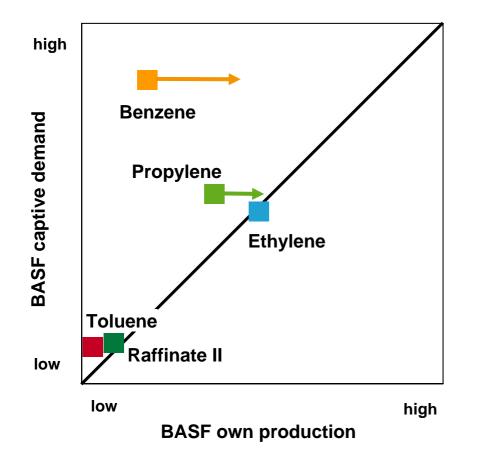
Accelerate innovation

- Innovation pipeline filled with 200 promising projects (50% product innovation, 50% process innovation)
- R&D spending average 2008-2012: €140 million p.a..

Balancing supply with demand through innovation

Global position 2007

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Benzene

Expanding the feedstock basis to take advantage of market fluctuations e.g. **Benzene from natural gas**

Propylene Ethylene

Balancing production for captive supply and broadening of feedstock base e.g. **Fischer-Tropsch to Olefins**

Raffinate

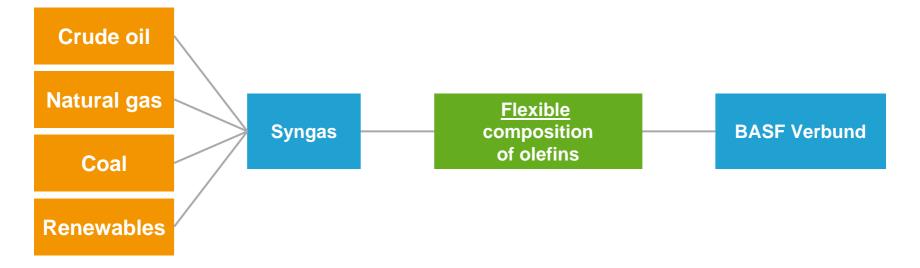
Feeding our value chains with alternative raffinate supply e.g. n-**butenes from butane**



Today: Cracker technology

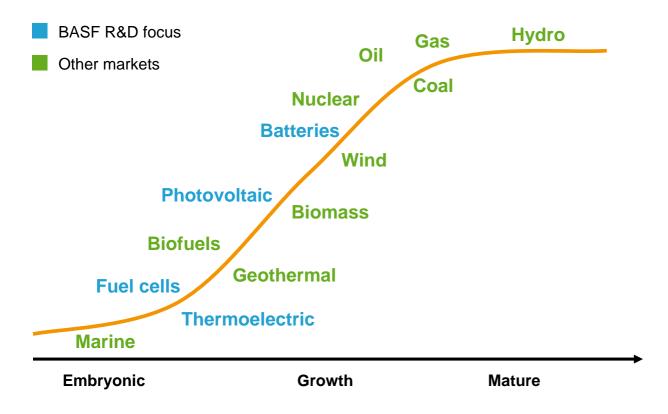


Tomorrow: direct Fischer-Tropsch technology



Changing energy markets create new demand

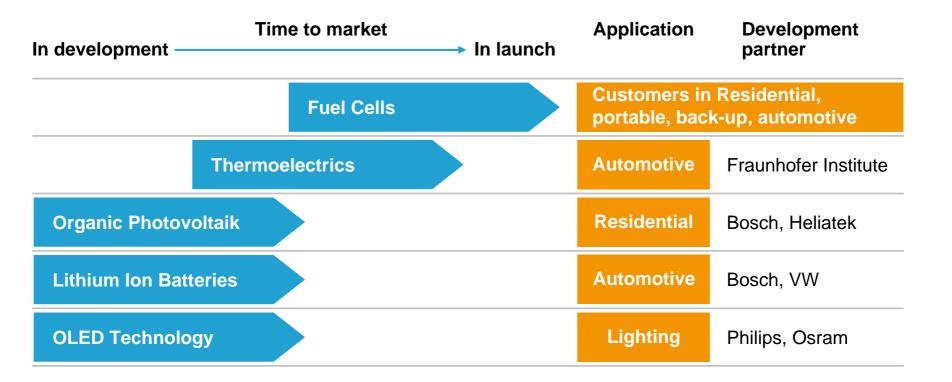
Life cycle of technologies for energy supply



- Increase of global primary energy demand from 84 billion to 128 billion boe in 2030*
- **Target:** Develop resource efficient materials to enable systems that meet demand for portable and sustainable energy supply

New chemicals for high growth energy markets

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System market value by 2020: €50 billion

Driving future growth

2007

- Sales to 3rd parties of €9.4 billion
- EBIT after cost of capital of €1,358 million

2015

- Best in class in operational excellence
- Solidly balanced portfolio in major global markets
- Broadened feedstock
 technology
- Innovative chemicals for global megatrends
- Profitable growth above the respective market growth
- Earning a premium on cost of capital

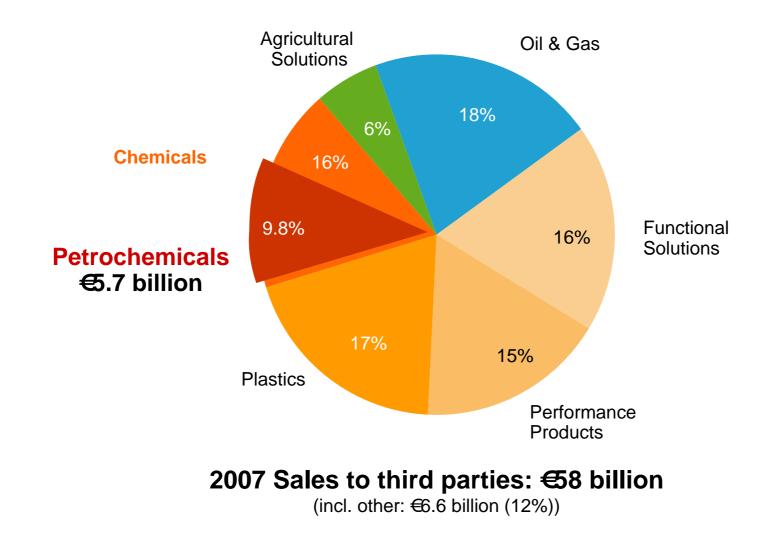
1 | Chemicals

2 | Petrochemicals

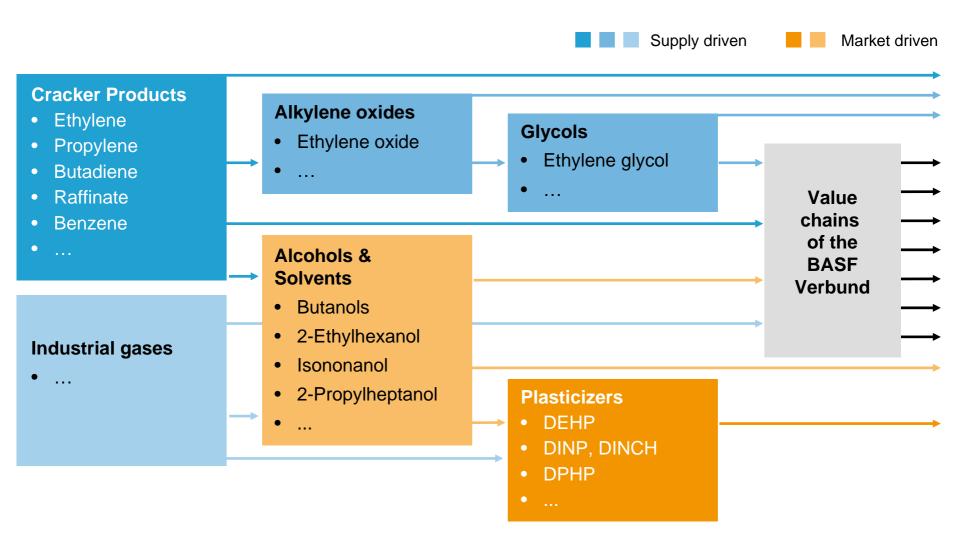
3 | Inorganics

4 | Intermediates

Petrochemicals – part of BASF's balanced portfolio

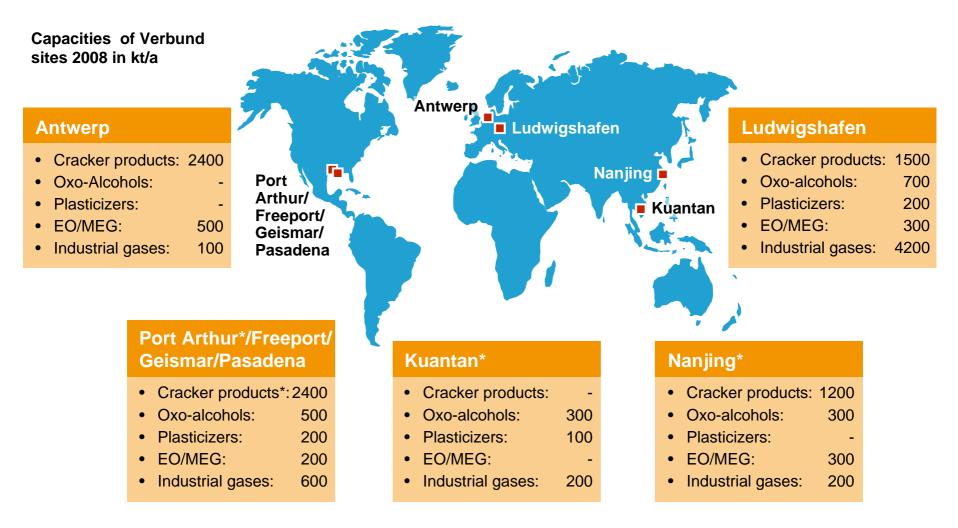


Petrochemicals – the start of BASF's value chains



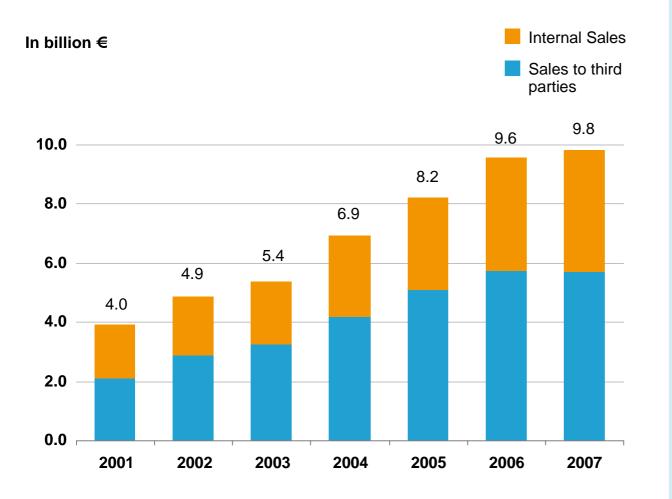
Petrochemicals is the global integrator at all BASF Verbund sites

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* Availability of volumes ex JV's for BASF depending on contractual situation

Petrochemicals grew faster than the market



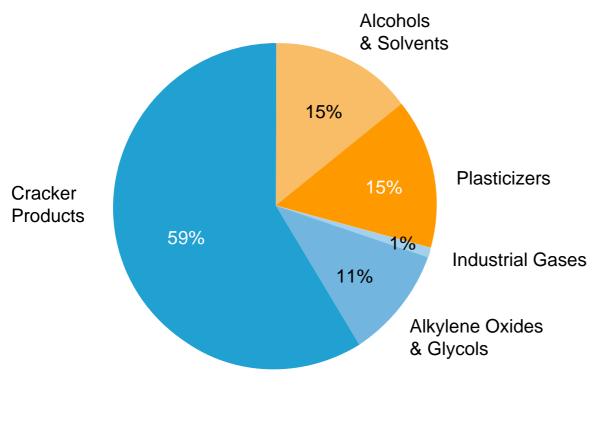
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CAGR 2001 - 2007:

- GDP growth: 3.2%
- Chemical production growth*: 3.8%
- Petrochemicals BASF: 16.4%
 - * without pharma

Sales by product group

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Sales to third parties 2007:

Commodities 99%

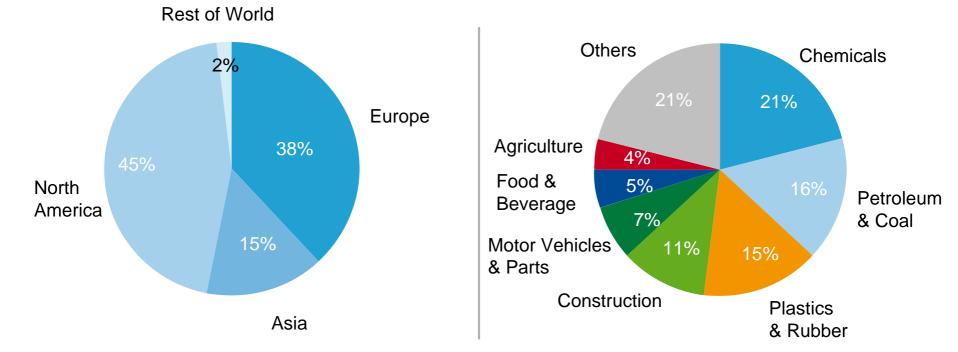
2007 Sales to third parties €5.7 billion

Sales by region and industry

by region

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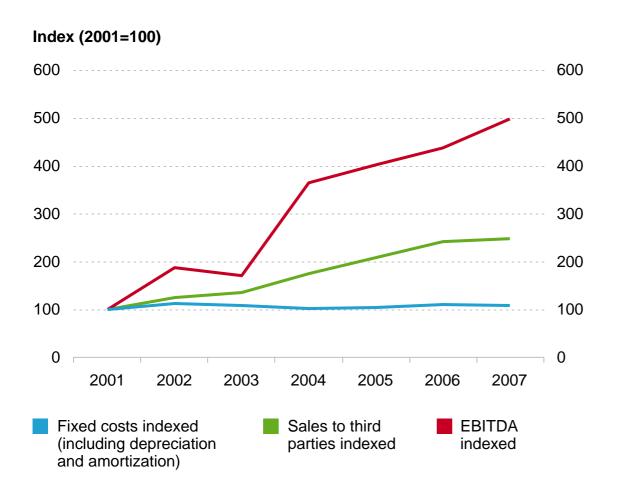


2007 Sales to third parties €5.7 billion

Operational excellence drives profitability

Petrochemicals

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Petrochemicals "asset right" strategy:

- Integration into Verbund
- High capacity utilization
- Consistent fixed cost
 management
- Continuous improvement of stateof-the-art technologies

Temporarily global ethylene/propylene overcapacities result in margin reduction

ME + Africa America + Europe Global demand Asia Ethylene capacity (in kt/a) Propylene capacity (in kt/a)

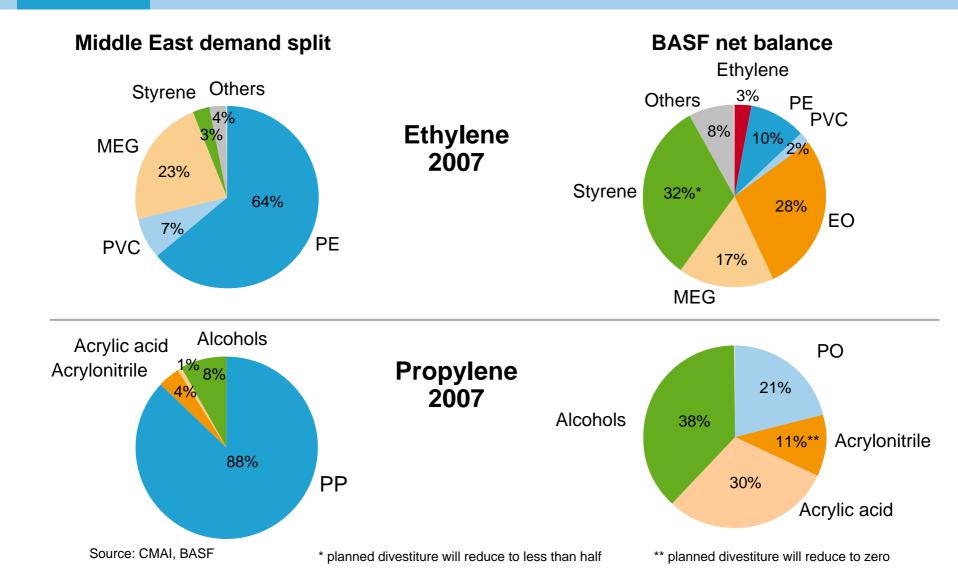
- Global demand growth requires +6 million t/a ethylene and +4 million t/a propylene
- New capacities announced of 7 million t/a ethylene (>50% in ME/Afr.), 4.5 million t/a propylene (>50% in Asia)

- Global growth of prosperity and of energy markets will quickly absorb additional capacities after 2012
- Dramatically increased investment cost and limited engineering resources limit capacity growth globally

Source: CMAI

BASF's captive olefins demand split is different to ME downstream products

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Naphtha-based cracker provides **BASF** full slate of cracker products

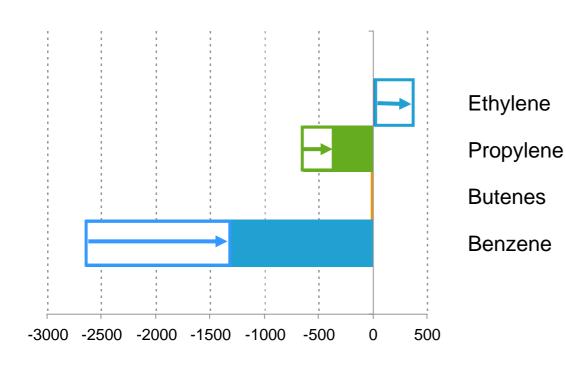
to/to _{Ethylene}	Typical cra	BASF demand		
Feedstock	Ethane (1.3)	Naphtha (3.0)	2007	
Ethylene	1.0	1.0	1.0	
Propylene	0.02	0.55	1.09	
Butenes	<0.01	0.10	0.13	
Benzene	0.01	0.25	1.74	

Naphtha cracker matches BASF's broad demand for cracker products much better than an ethanebased cracker

Active portfolio management to improve cracker products balance

BASF supply / demand balance 2007 in kt

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changes due to divestitures in progress

Measures to improve the cracker products balance:

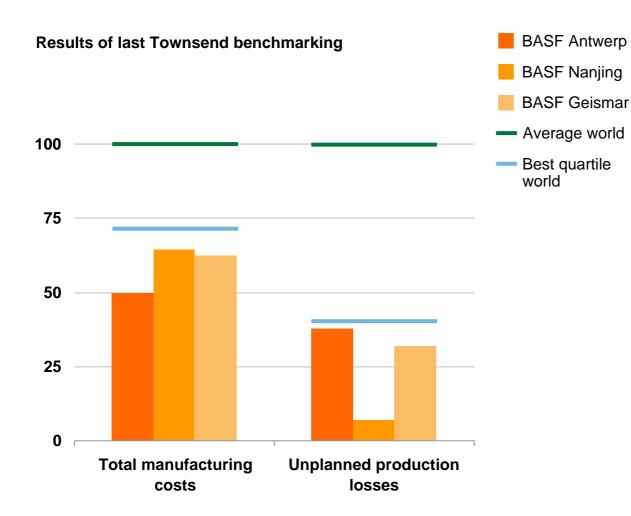
Technology

 Conversion of ethylene to propylene in worldscale metathesis units (e.g. Pt. Arthur)

Portfolio optimization by divestiture

- Ethane cracker share in Geismar
- Acrylonitrile business in Seal Sands (in progress)
- Styrenics business (in progress)

Industry leading production know-how Example: Ethylene oxide



- Cost leadership through consequent process innovation (incl. catalyst)
- Enhanced technology: Increased selectivity by optimized feed gas
- Best in class in specific EO yield
- Significant ethylene savings
- New catalysts with superior performance in pilot phase

Integration of cracker products is essential for BASF's profitability

Mission

"Make" to cover optimum of captive use, and "Trade" to balance surplus and deficit volumes

Strengths

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- Verbund synergies
- World scale assets with excellent to best in class benchmark position
- Strong partnerships (Asia, North America)

Measures to mitigate challenges

- Strive for operational excellence
- Enhance feedstock flexibility
- Maintain high reliability

Petrochemicals strongly positioned in market driven activities

Alcohols & Solvents

- Butanols
- 2-Ethylhexanol
- Isononanol
- 2-Propylheptanol (2-PH)
- ...

BASE

- #1 worldwide in alcohols
- Sole producer of 2-PH
- Market leader oxygenated solvents in Europe
- Proprietary technologies
- New proprietary catalysts in the pipeline

Plasticizers
• DEHP
• DINP
• DINCH
• DPHP
•
• #2 worldwide
Sole producer of Hexamoll DINCH
 Well backward integrated
 Proprietary technologies for PA, Phthalic esters and Hexamoll DINCH
 New proprietary catalysts in the pipeline

Alcohols & Solvents and Plasticizers: The right levers to success

Consolidation	Closures in EuropeAcquisition in North America		
Portfolio management and rationalization	 Exit 2-EH, DEHP (Europe) Focus on innovative Plasticizers DINCH, DPHP 		
Investments Expansions	Pasadena, NanjingLudwigshafen, Freeport, Kuantan		
Innovation	2-PropylheptanolDINCH, DPHP		
Operational excellence	 Reliability improvements in Kuantan Restructuring of plasticizers in Europe, North America 		

- BASF

Growth drivers for Petrochemicals

Megatrends		Increased demand for		Increased demand for petrochemicals	Expected market growth rate 2008 – 2013 p.a.
Energy consumption		Agrochemicals		Cracker products	4-5 %
Urbanization		Plastics Nutrition Construction chem.	Alkylene oxides & glycols	5 %	
Aging population	owing oulation Chemicals Pharmaceuticals		Solvents	3 %	
Growing			Plasticizers	3 %	
Globalization		Pharmaceuticals		Alcohols	4 %

Strategy for Petrochemicals

Strengthen position in growth markets

- Develop strong C4value chain in Asia
- Continuously improve operational excellence for a sustainable and competitive supply
- Grow cracker profitability by increased feedstock flexibility and improved logistics (pipelines)

Active portfolio optimization

- Strongly grow business with innovative products (Oxo-C5 alcohols and DINCH)
- **Divestiture** of nonstrategic businesses
- Restructure outdated facilities in core businesses

Accelerate innovation

- New technologies based on alternative raw materials
- New dedicated technologies to match captive demand
- **Improvement** of core technologies through new catalysts and processes
- New applications for alcohols and plasticizers

Essentials Petrochemicals

At the heart of the Verbund

Agility, flexibility and deep knowledge of markets

Continuously develop new processes and optimize existing ones

Positioned to manage upcoming capacity increases

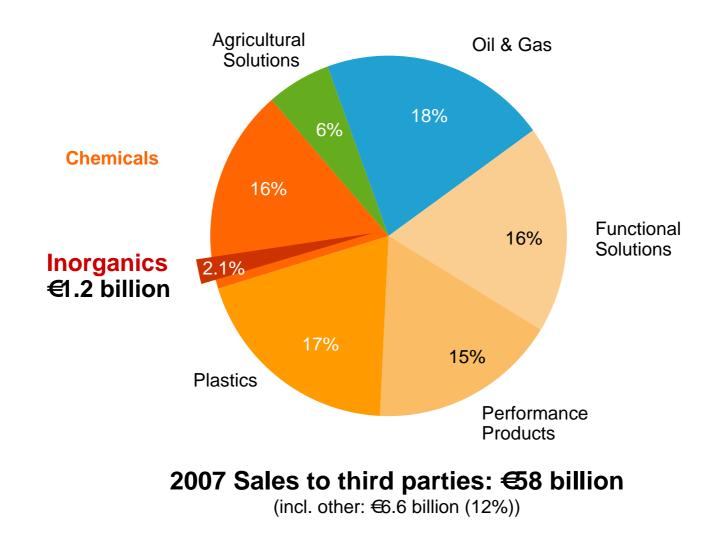
Relentless focus on operational excellence Dedicated, creative and global team 1 | Chemicals

2 | Petrochemicals

3 | Inorganics

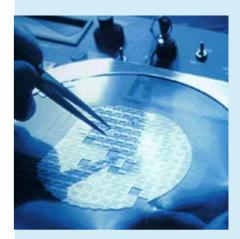
4 | Intermediates

Inorganics – Part of BASF's balanced portfolio



- Total sales of €2.3 billion; highly profitable
- Good business mix of commodities and specialties
- Commodities:
 - Strong know-how base in chemical Verbund
 - Mainly for captive use in Verbund
- Specialties:
 - Strong market expertise and innovation focus
 - Characterized by unique products with high market shares, e.g. hydroxylamine free base, boranes





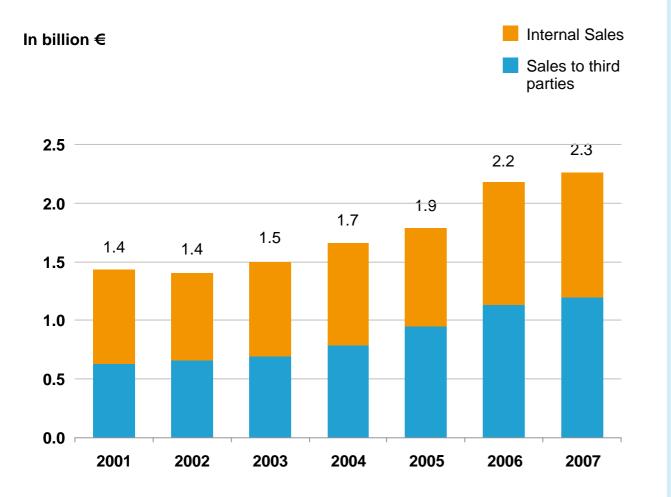
D = **BASF** The Chemical Company

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Inorganics at BASF

Electronic Materials	Inorganic Specialties	Inorganic Chemicals	Glues & Impreg- nating Resins	Fertilizers
 Electronic grade chemicals Formulations and materials 	 Alcoholates Boranes Hydroxyl- amine free base Carbonyl iron powder Metal injection molding 	 Chlorine/ caustic soda Nitric acid Sulfuric acid Inorganic salts 	 Ammonia/ urea Methanol/ formaldehyde Melamine Glues and impregnating resins 	 Reported under "Other" Organizatio- nally part of Inorganics Division Contract manufacturing for K+S

Inorganics grew faster than the market



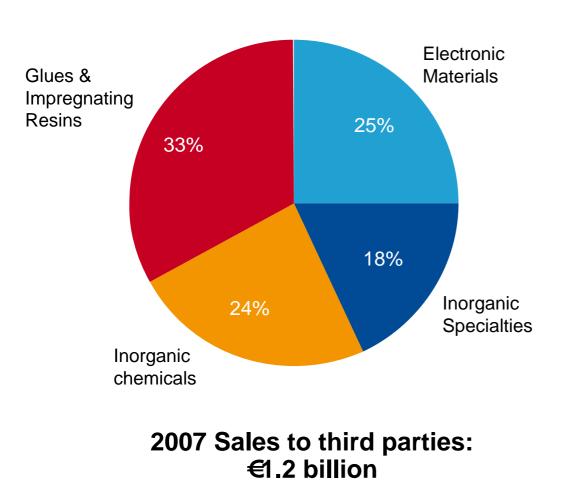
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Total Sales CAGR 2001 - 2007:

- GDP growth: 3.2%
- Chemical production growth*: 3.8%
- Inorganics growth: 8.1%

* without pharma

Sales by product group



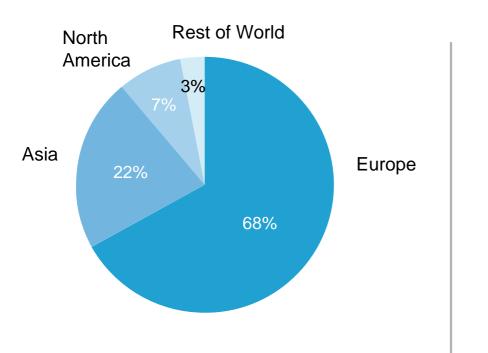
Split of sales to third parties 2007:

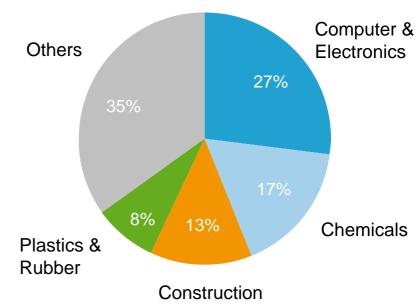
- Commodities 58%
- Specialties 42%

Sales by region and industry

by region

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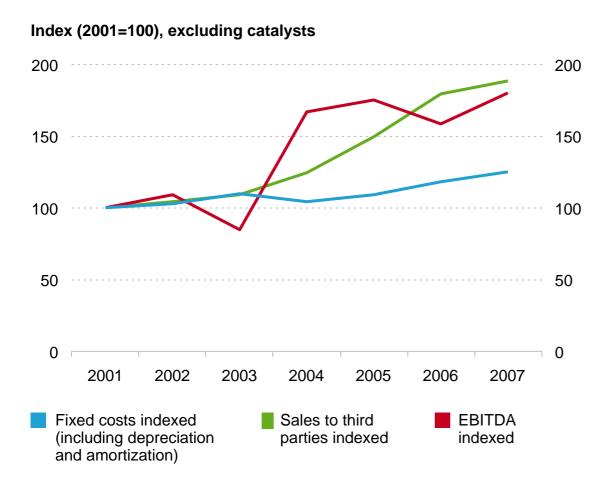
by industry

2007 Sales to third parties: €1.2 billion



Contributing consistently high margins

Inorganics



BASF's "asset right" strategy:

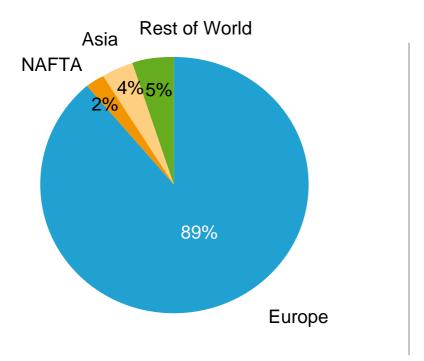
- Competitive raw
 material sourcing
- Integration into Verbund
- High capacity utilization
- Rationalization in older plants
- Profitable growth in specialties

Strong European platform in commodities and global focus on specialties

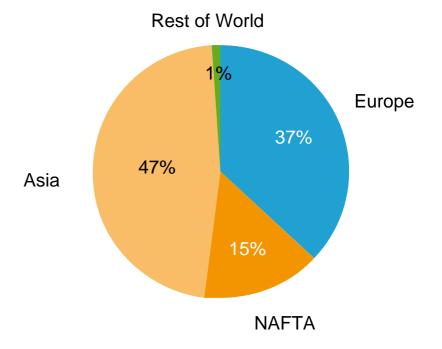
Commodities (58%)

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2007 Sales to third parties: €1.2 billion

Clearly differentiated strategies for commodities and specialties

Commodities

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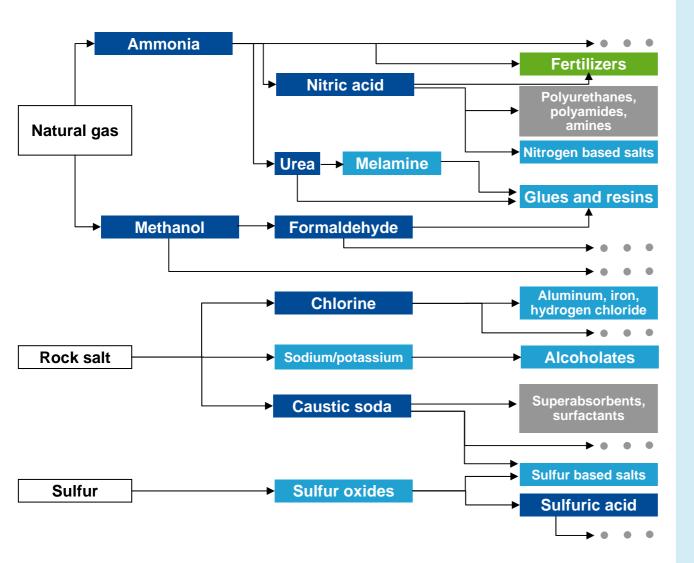
"Keep cost leadership"

- Competitive raw material sourcing
- Verbund integration
- World scale plants
- Process innovation including catalysts
- Operational excellence

Specialties

- "Grow profitably"
- Market and product driven innovation
- Strong customer orientation/interaction
- Technical service
- Selective globalization through acquisitions

Inorganics is one of the basic pillars of the Verbund



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- Many products are building blocks for the Verbund
- Inorganics is a significant steam producer
- Inorganics provides economic opportunities for the utilization of waste streams and byproducts

Building blocksOther Inorganics productsOther BASF products

Ammonia and caustic soda are main drivers of profitability

Ammonia

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- Mainly captive use (>95%)
- Top 3 internal customers (90% of demand):
 - nitric acid (for fertilizers, polyurethanes and polyamide)
 - urea (for melamine, glues and resins)
 - amines
- Stable demand due to fertilizers for agriculture

Caustic Soda

- Mainly captive use (>95%)
- Top 3 internal customers (50% of demand):
 - sulfur based salts
 - surfactants (for detergents)
 - crop protection chemicals
- Anti-cyclical profit pattern due to couple-production chlorine/caustic soda

Organic and external growth as main imperatives for specialties

Innovation

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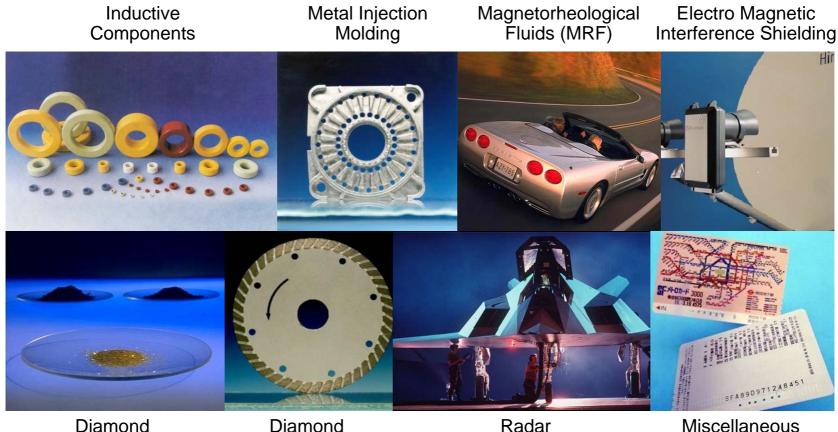
- New products
- New applications
- New business models
- Example: Recently developed applications of Carbonyl iron powder (CIP)

Acquisitions

- Established portfolio areas
- New portfolio areas

 Example: Acquisition of Merck Electronic Chemicals (MEC) in 2005

Expansion into new applications for carbonyl iron powder



Diamond Synthesis

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Diamond Tools

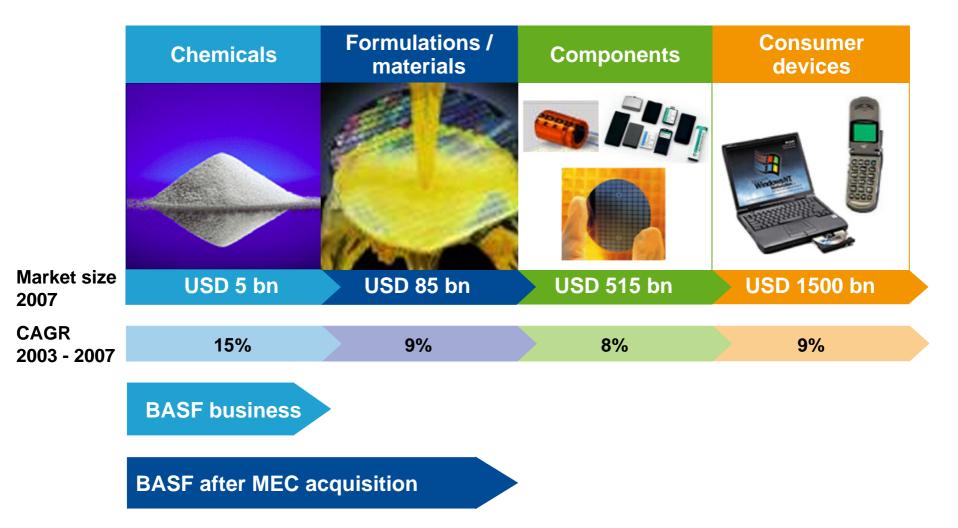
Radar Absorption

Miscellaneous Applications

Expected additional sales in 2015: €500 – 750 million

Significant size and growth in electronic chemicals value chain

🗆 = BASF



Expanded positioning in electronic materials through MEC acquisition

Stronger footprint in established areas

Products

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• Chemicals

Applications

Semiconductors

Regions/countries

- Germany
- Japan
- South Korea
- USA

Expansion into new areas

Products

• Formulations and materials

Applications

- Displays
- Photovoltaics

Regions/countries

- Taiwan
- China
- Malaysia
- Singapore

Strategy for Inorganics

Strengthen position in growth markets

Investigating competitive raw material sources (esp. for natural gas)

Investing in additional production capacities for carbonyl iron powder

Investing in sodium methylate plant for biodiesel in Brazil

Active portfolio optimization

Acquiring activities in inorganic specialties and electronic materials (both in established and new portfolio areas)

Forward integration for carbonyl iron powder into new applications and business models

Focussing in commodities on Europe to further reduce complexity

Accelerate innovation

R&D spendings 3% of sales to third parties p.a.

Innovation focus on inorganic specialties and electronic materials

New chemicals and formulations for the next generation of microchips (e.g. "flash memories")

Growth drivers for Inorganics

Megatrends

Energy consumption Urbanization Aging population Growing

population

Globalization

demand for	
Electronics	
Energy	
Pharmaceuticals	
Food	
Housing	
Automotive	
Chemicals	

Increased

. . .

Increased demand for inorganics	Expected market growth rate 2008 – 2013 p.a.
Electronic materials	8%
Inorganic specialties Fertilizers	8% 3%
Inorganic chemicals	2%
Glues and impregnating resins	2%

Our path to profitable growth

Strongly positioned and highly profitable both in commodities and specialties

Successfully managing a complex portfolio

Utilizing competitive advantages in commodities based on the Verbund

Exploiting significant growth potential with specialties

Continued sales growth and high margins expected

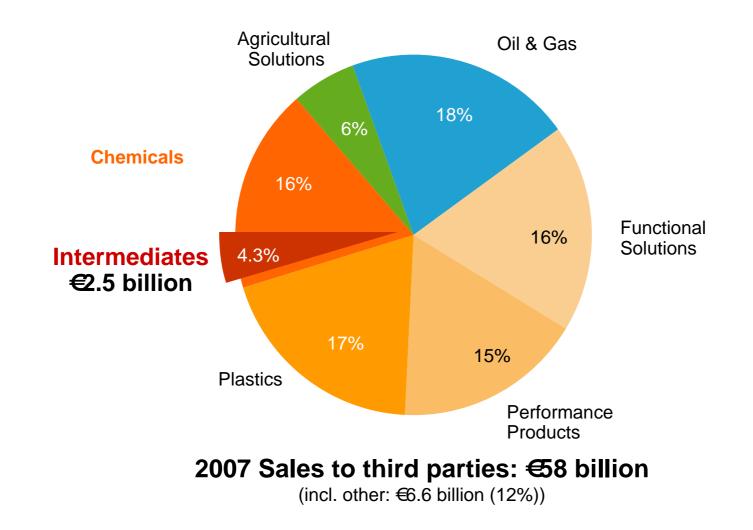
1 | Chemicals

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Intermediates – Part of BASF's balanced portfolio





Intermediates at BASF

Amines	Butanediol & Derivatives	Polyalcohols & Specialties	Acids & Specialties
> 200 different amines	Entire butanediol value chain	Broad range of coatings building blocks	Commodity and specialty in one product
Key products: Ethanolamines Methylamines Alkylethanolamines	Key products: Butanediol THF/PolyTHF Maleic Anhydride	Key products: Hexanediol Neopentylglycol Vinylmonomers	Key products: Formic Acid Propionic Acid Glyoxal



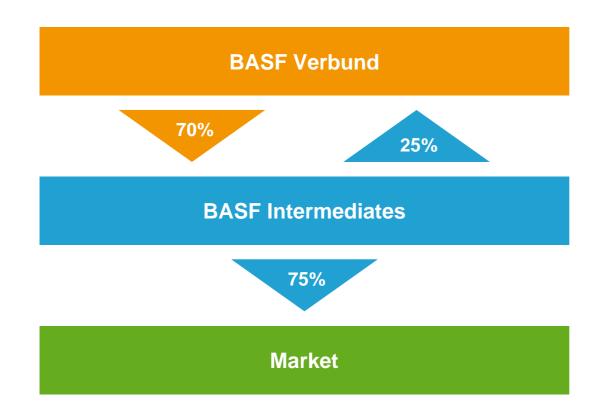






Versatile chemical building blocks/performance enhancers

Rooted in BASF's Verbund – Facing the market



BASE

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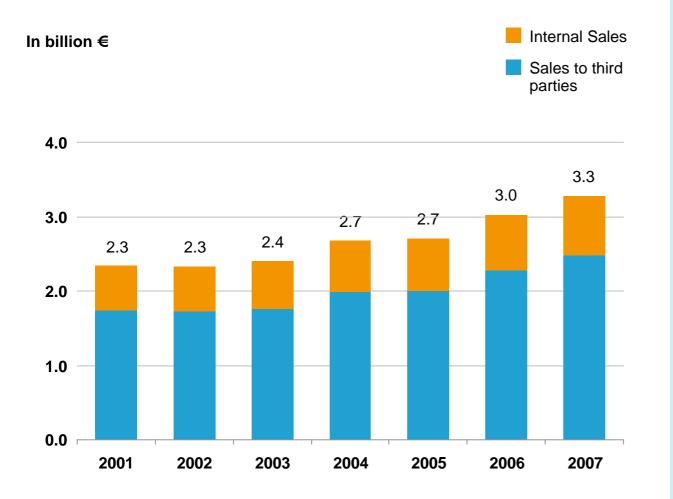
€2.5 billion sales to third parties 20073.000 customers globally

Right setup:

- Benefit from the Verbund
- Add value to the Verbund
- Add value to our customers

Intermediates grew faster than the market

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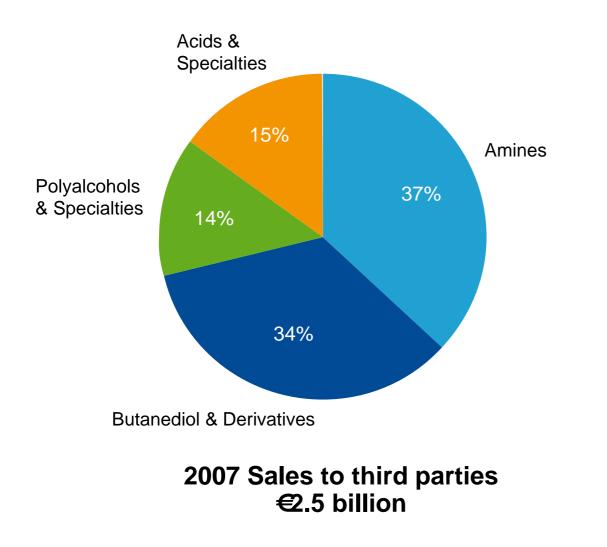
CAGR 2001 - 2007:

- GDP growth: 3.2%
- Chemical production growth*: 3.8%
- Intermediates: 5.8%

* without pharma

D = **BASF** The Chemical Company

Intermediates is a market-driven business



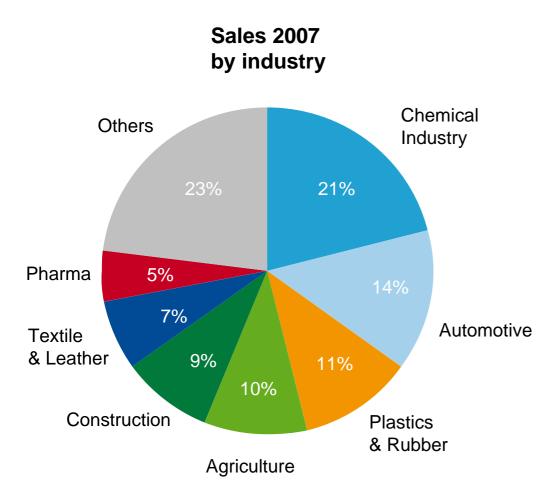
Sales to third parties 2007:

- Commodities 40%
- Specialties 60%
- Market leader in 70 % of product lines

Focusing on growth markets

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Growing above GDP in major industries



Industries	Annual growth BASF Intermediates 2003 – 2007
Chemical Industry	8%
Automotive	19%
Plastics & Rubber	6%
Agriculture	22%
Construction	27%
Textile & Leather	1%
Pharma	5%

Focusing on growth markets Growing above GDP in all regions

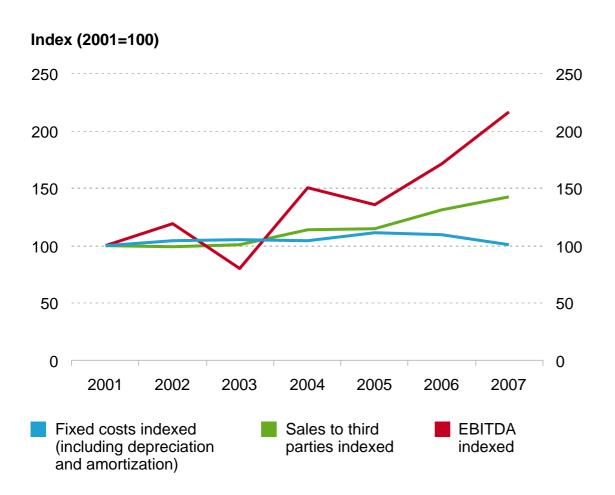
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Sales 2007 by region **Rest of World** North 5% America 51% 29% Europe Asia

Annual growth BASF Intermediates 2003 – 2007			
7 %			
17 %			
6 %			
15 %			

Intermediates business re-energized

Intermediates



Key changes since 2001:

- Business revamped in past 5 years
- Radical shift in commodity strategy
- Restructuring of assets
- Significant increase in margin and profitability

Strongly positioned to grow above GDP

Right tools

- Unique portfolio of Intermediates
- Appropriate set-up in commodities and specialties
- Focus on value and growth
- Established innovation process and pipeline

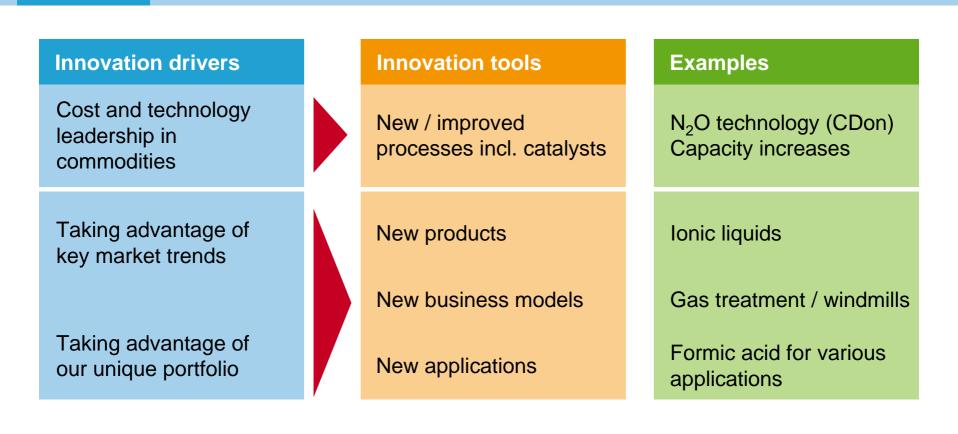
Strong levers

- Integral part of BASF Verbund
- Leading market positions
- Active in strongly growing markets

BASF Intermediates has grown and will grow profitably above GDP

Innovations are key for commodities and specialties

The Chemical Company



3% of sales to third parties spent for R&D

Excellence in commodities and specialties

Ethanolamines

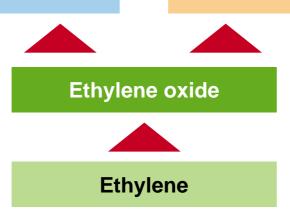
• Commodity

The Chemical Company

- 4 product types
- 1,800 kt/a market demand
- Main industries: Agro, detergents, gas treatment

Alkylethanolamines

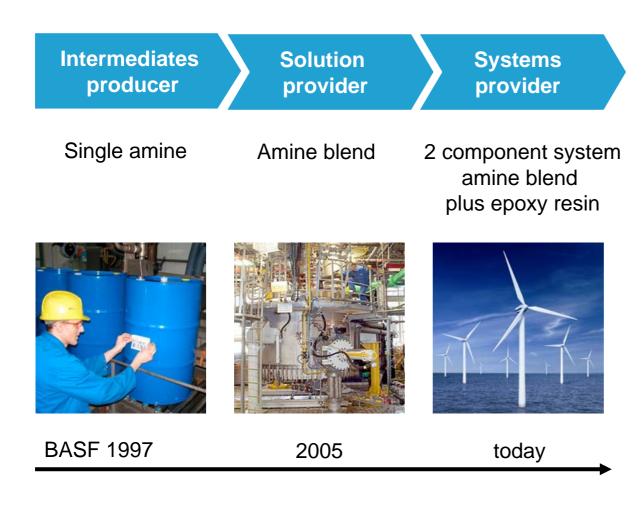
- Specialty
- 17 product types
- 200 kt/a market demand
- Main industries: Gas treatment, water treatment, coatings



One value chain – two different businesses

- Maximizing value by portfolio extension
- Leading market positions in both segments
- Ethanolamines and Alkylethanolamines representing > 10% of sales to third parties

From product to systems provider



Epoxy systems for windmills:

- Installed capacity for wind energy will grow by more than 500 % until 2015
- Amines are key chemicals for production of windmill blades
- 1.5 tons of amines for each MW of new wind energy capacity

Growth drivers for Intermediates

Megatrends	Increased demand for	Increased demand for intermediates	Expected market growth rate 2008 – 2013 p.a.
Energy consumption Urbanization Aging population Growing population Globalization	Agrochemicals Pharmaceuticals Personal care Plastics Textiles Construction chem. Chemicals	Amines Butanediol & Derivatives Polyalcohols & Specialties Acids & Specialties	4% 5% 4% 3%

Strategy for Intermediates

Strengthen position in growth markets

- Investment focus in growth region Asia
- Business focus on high growth market segments in growth industries

Active portfolio optimization

- Enhance development of system solutions and new business models
- Permanently reflect portfolio and market trends
- Acquisitions to close strategic gaps

Accelerate innovation

- Advance leading technology positions by
 - →improving existing processes
 - →radical new processes for key products
- Open up new applications in close customer cooperation

Our path to profitable growth

Increasing demand for more and new **Intermediates** will fuel our growth

We are well positioned to make best use of that

- in Commodities by our world-class processes, our Verbund-integration, our leading market positions and our know-how
- in Specialties by our unique portfolio, our innovative solutions and our strong customer co-operations

The Chemical Company