

Macquarie Chemicals Conference Continuously Improving.

LeadIng.



THE LINDE GROUP

13th May 2011 - Zurich

This presentation contains forward-looking statements about Linde AG (“Linde”) and their respective subsidiaries and businesses. These include, without limitation, those concerning the strategy of an integrated group, future growth potential of markets and products, profitability in specific areas, the future product portfolio, anti-trust risks, development of and competition in economies and markets of the group.

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1. Operational and Financial Performance

2. Strategic Focus:

- Growth Markets
- Energy / Environment
- Healthcare

3. Outlook

Continuously Improving.

Ongoing growth momentum drives group sales up 14.9% to € 3,325 m

Group operating profit grows over-proportionately by 18.7% to € 761 m

Strong EPS increase with reported EPS up 42.7% to € 1.67 and adjusted EPS of € 1.88 (+33.3%)

Operating Cash Flow increases by 10.8% to € 440 m

Double-digit earnings growth driven by widespread recovery and HPO initiatives

Growth markets continue their strong momentum

Mature regions on solid growth levels supported by further recovery in the cylinder business

Increase of the group operating margin by 80 basis points to 22.9%

2011 Outlook reinforced

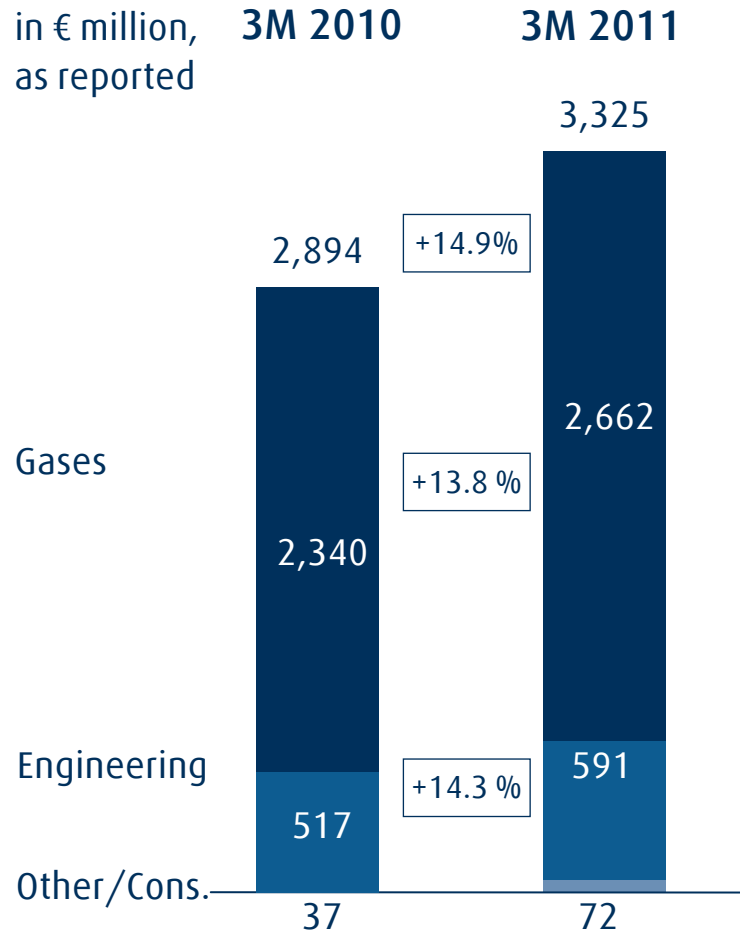
Growth in sales and operating profit vs. record year 2010

HPO: € 650-800 m of gross cost savings in 2009-2012

Group, sales by Divisions

Unchanged growth momentum drives group sales up 14.9%

in € million,
as reported



Gases Division

- Growth momentum intact: comparable* sales increase of 8.3%
- Growth in all product areas: tonnage leading, cylinder accelerating

Engineering Division

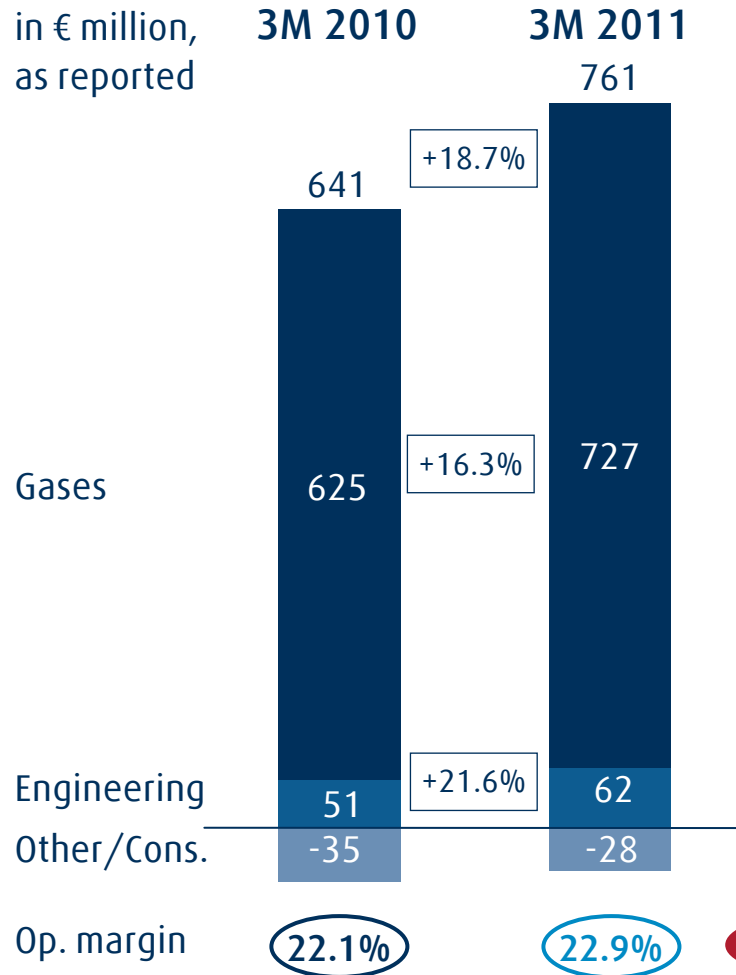
- Sales above last year's level
- Execution of order backlog remains fully on track

*excluding currency, natural gas price and consolidation effect

Group, operating profit by Divisions

Further group margin improvement by 80bp to 22.9%

in € million,
as reported



Gases Division

- Operating profit* on double-digit growth track
- Operating margin further increased by 60 bp yoy to 27.3%
- Continuous focus on HPO: initiatives across all processes providing us with the right basis for sustainable profitable growth

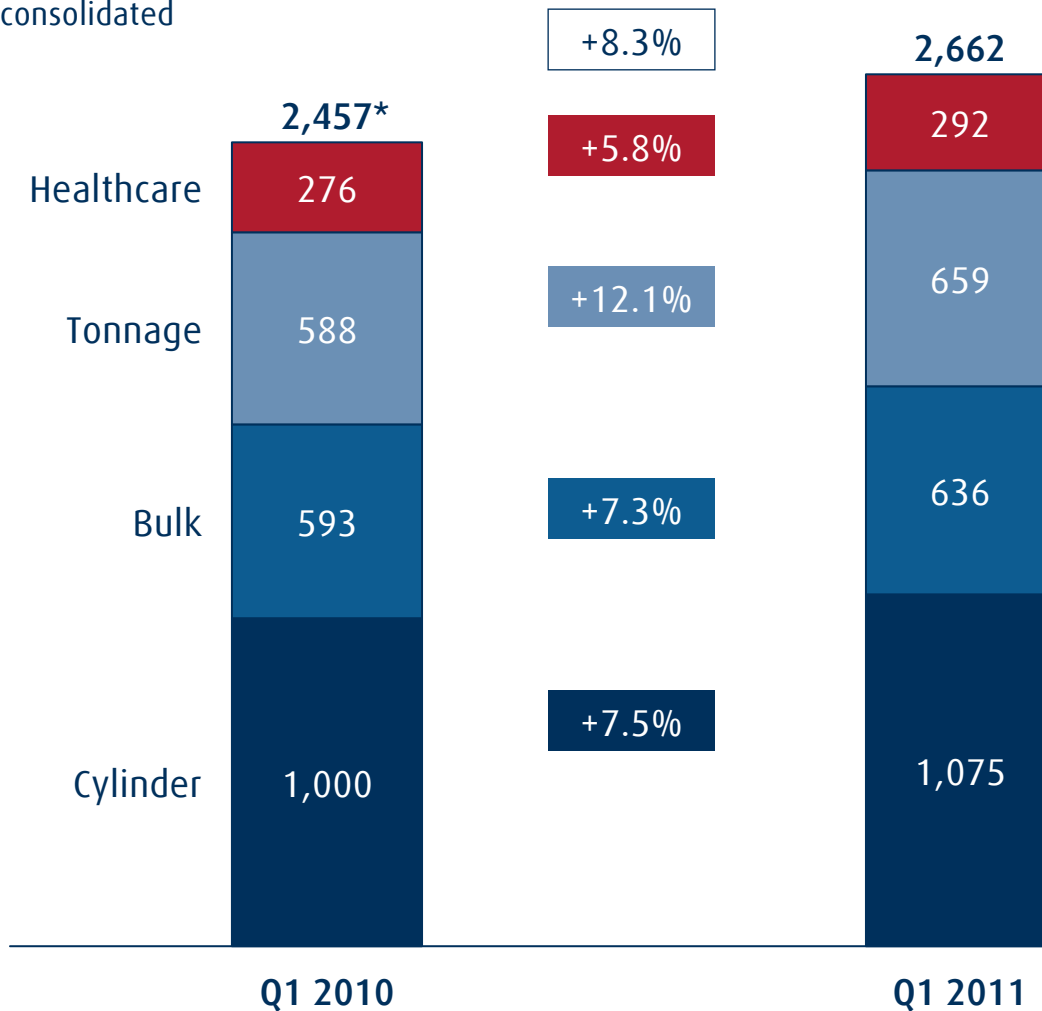
Engineering Division

- Operating margin of 10.5%
- Strong margin performance driven by successful project execution

Gases Division, sales by product areas

Growth in all product areas

in € million,
comparable*, consolidated

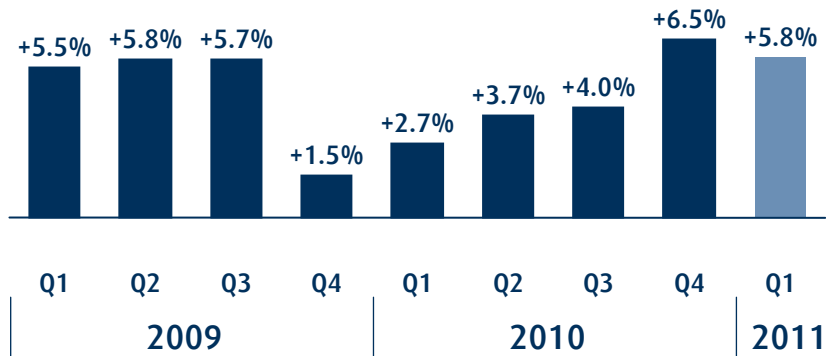


*excluding currency, natural gas price and consolidation effect

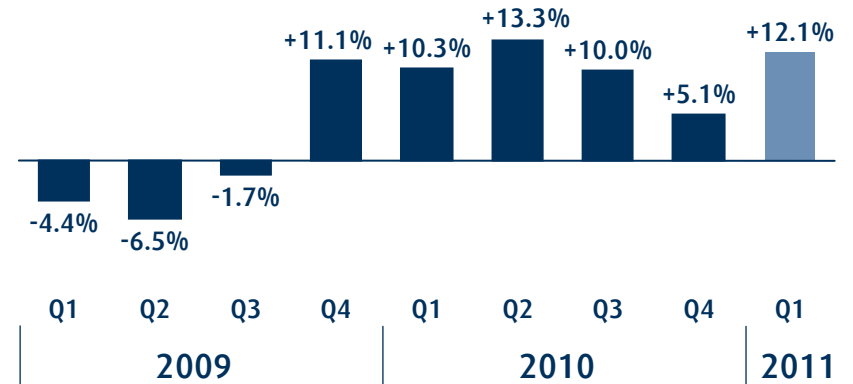
Gases Division, product areas (comparable yoy growth)

Cylinder business continues recovery

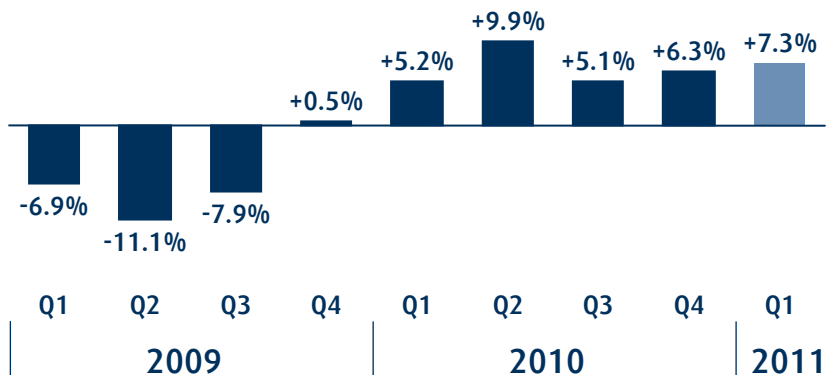
Healthcare



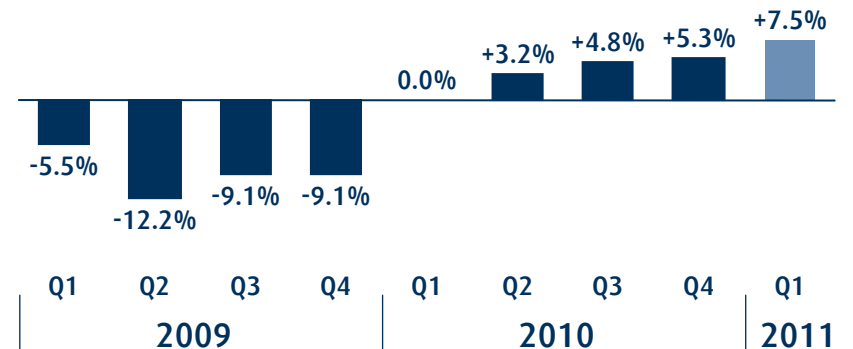
Tonnage



Bulk



Cylinder



Engineering Division, key figures

Execution of projects fully on track

- Order intake still characterised by small and midsize projects
- More than 50% of order intake from Europe and North America show a further improvement of the investment climate in mature countries
- Order backlog stays strong at € 3.714 bn (year-end 2010: € 3.965 bn)
- Margin ahead of target margin of at least 8%

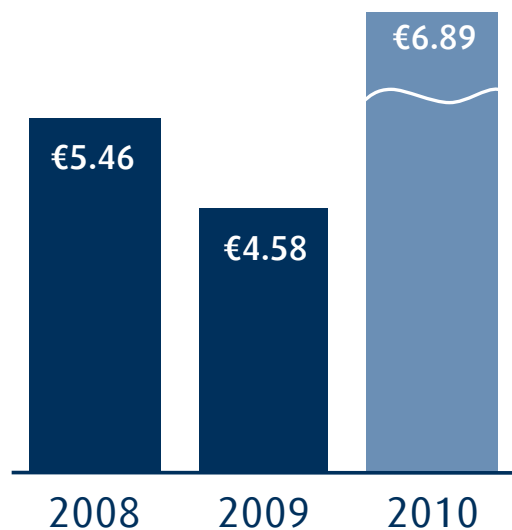
in € million	3M 10	3M 11	Δ YoY
Order intake	502	444	-11.6%
Sales	517	591	+14.3%
Operating profit*	51	62	+21.6%
Margin	9.9%	10.5%	+60 bp

*EBITDA before non-recurring items and incl. share of net income from associates and joint ventures

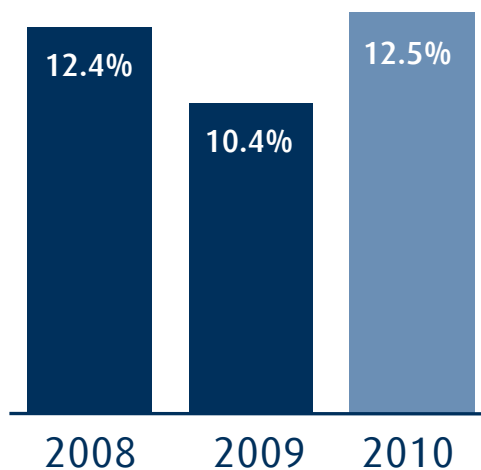
Further improvement in all our three key financial indicators

- Profitable growth for our shareholders: adjusted EPS and adjusted ROCE
- Strong cash flow generation further improved: OCF up by 13.1%

Adjusted EPS

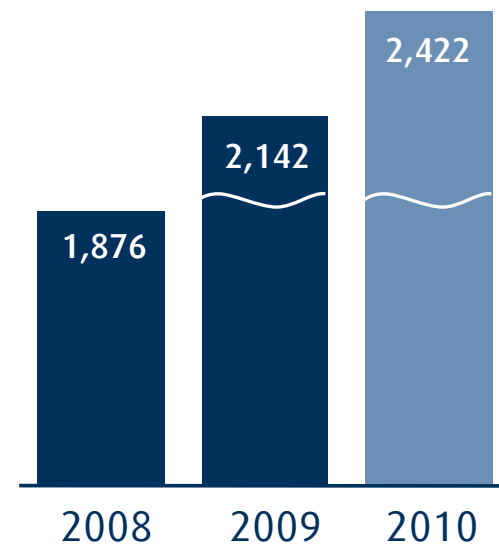


Adjusted ROCE



Operating Cash Flow

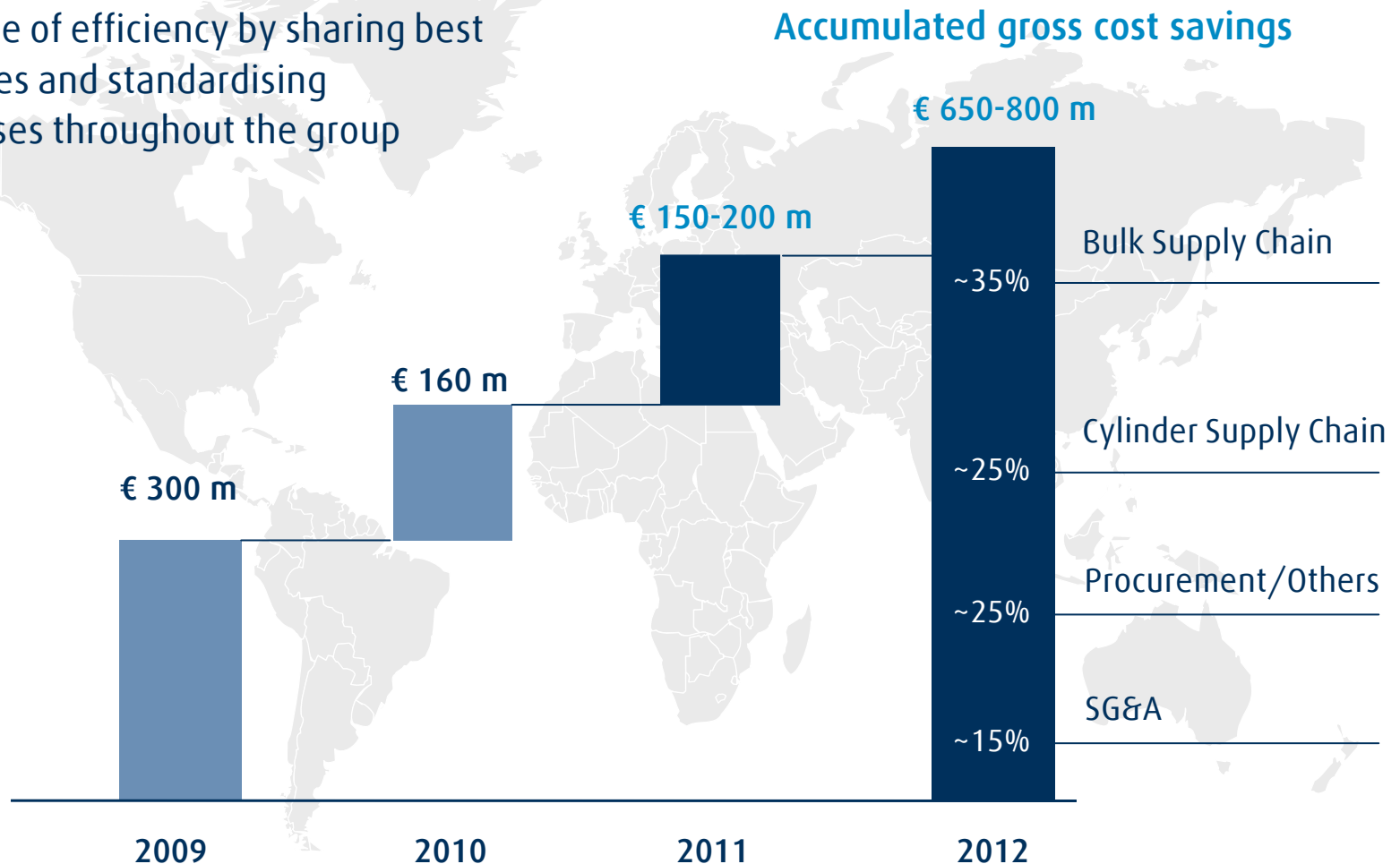
€ m, as reported



HPO (High Performance Organisation)

Covering the full value chain in all regions

- Successful start and continuation with savings of ~ € 460 m
- Increase of efficiency by sharing best practices and standardising processes throughout the group



1. Operational and Financial Performance

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Mega-trends

Leveraging growth with our Gas & Engineering set-up



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Growth Markets



Energy/Environment



Healthcare



Leveraging Gases & Engineering business synergies

Mega-trend Growth Markets

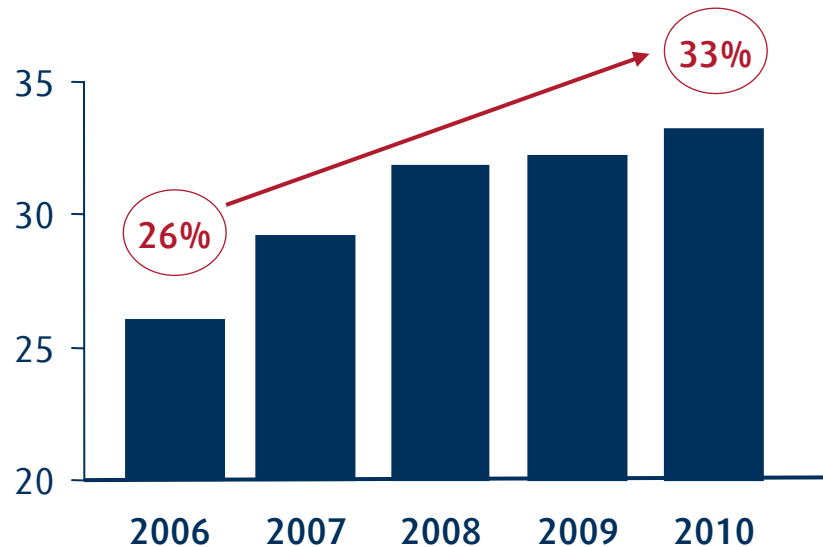
Growth trend leveraged by strong investment decisions



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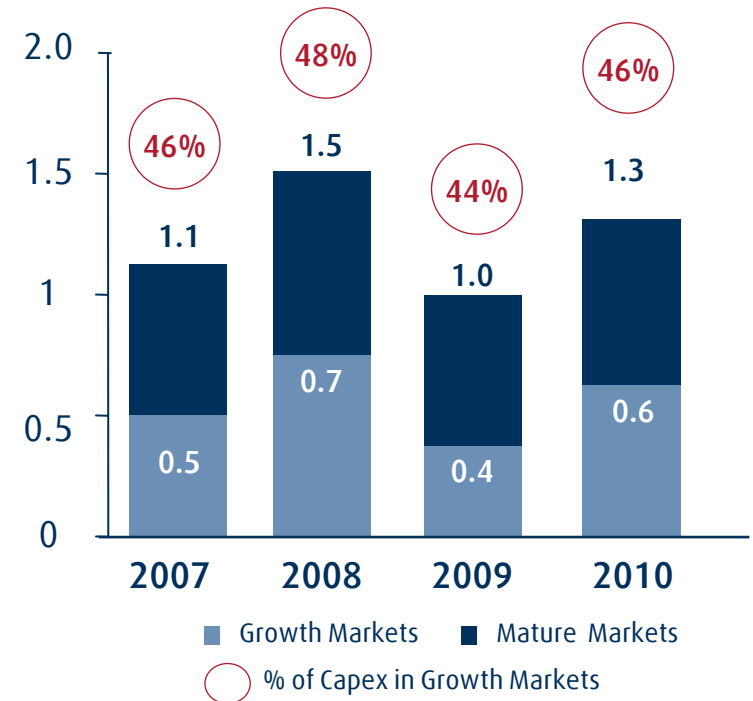
Growth market sales, excl. JVs

(% of total Gases sales)



Further increasing footprint
in Growth Markets

Gases Capex 2007 – 2010 in € bn



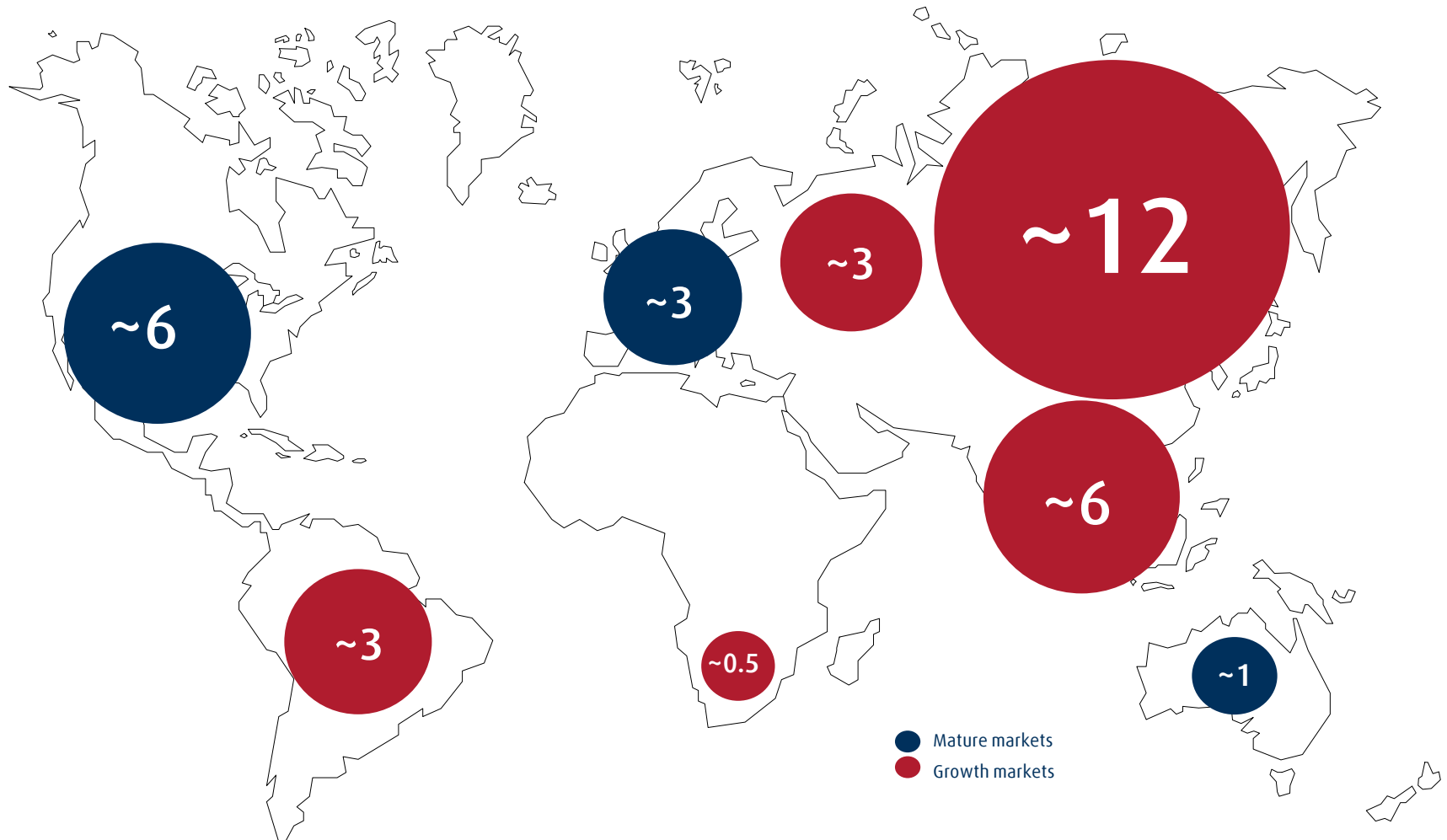
Nearly half of Capex allocated
to Growth Markets

Mega-trend Growth Markets

Additional industrial gases market 2010 vs. 2020 in € bn



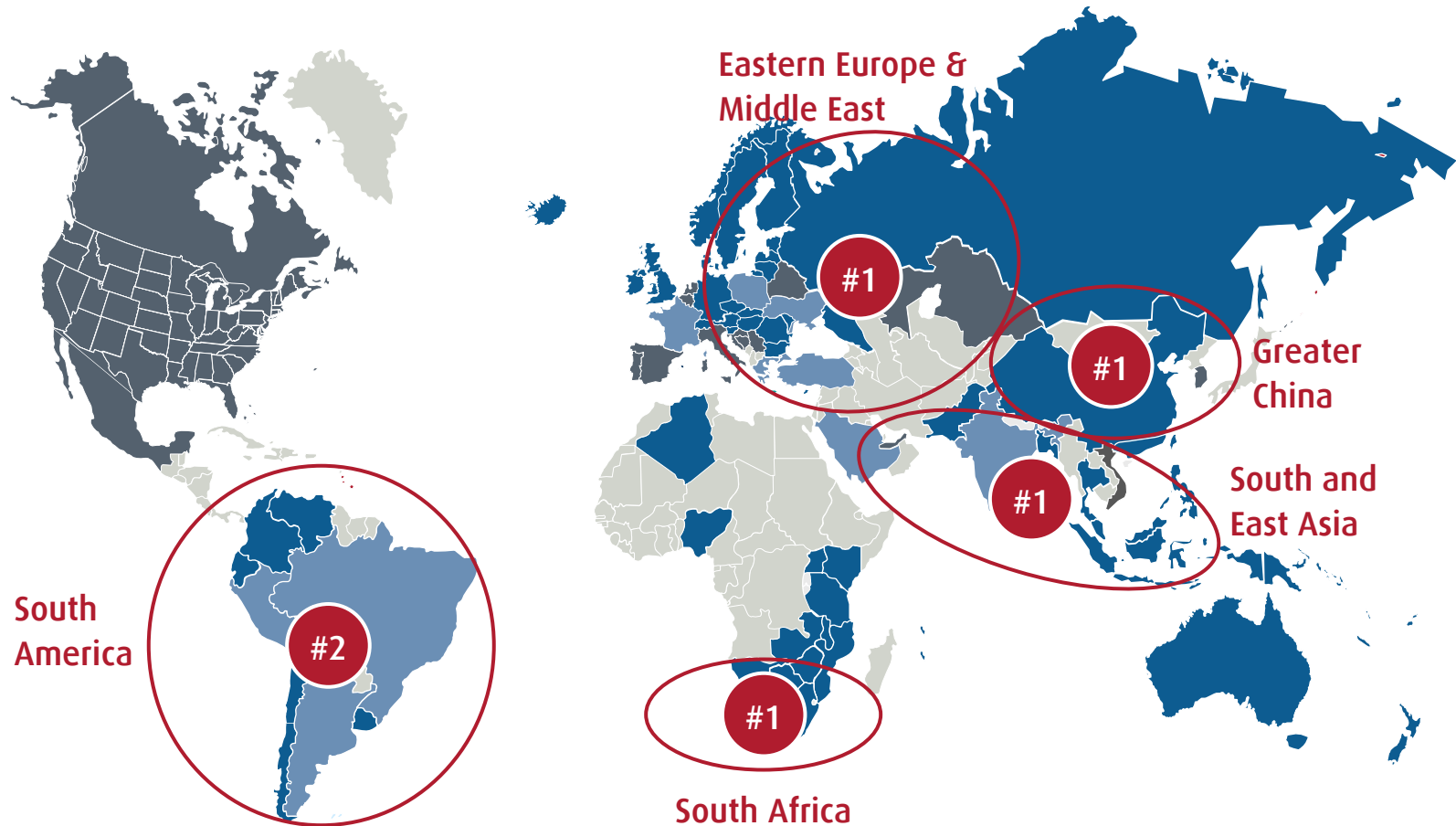
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Mega-trend Growth Markets

Leading Gases set-up in local growth markets

Market leader in 4 out of 5 Growth Markets

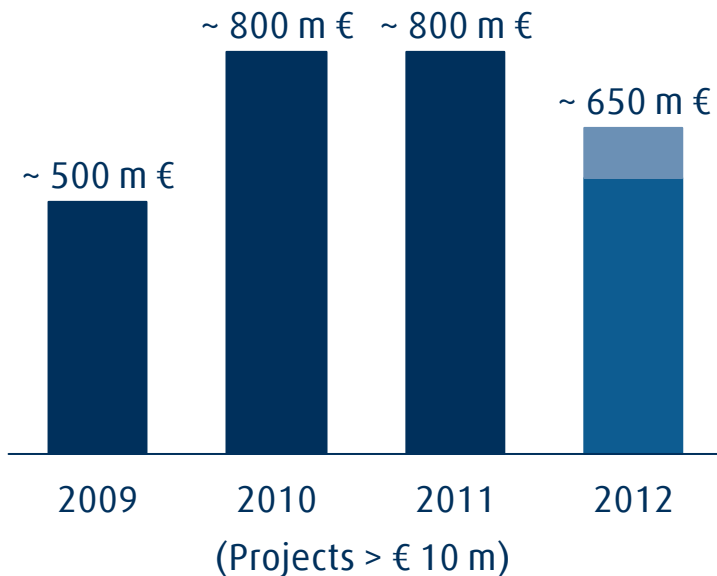


Gases Division, project pipeline

Solid basis for sustainable growth

- Around € 2.8 bn investments between 2009-2012 (thereof € 0.6 bn in JVs @ share)
- Project amount 2012 further increased by € 100 m to € 650 m
- Close to 70% of total project-Capex allocated to Growth Markets
- Increasing number of project opportunities with a large portion in Growth Markets

Project amount by on-stream date (incl. JVs)



- Project opportunities 12 months forward as published in March 2011 around € 4 billion
- Further project wins in growth and mature markets in all customer segments

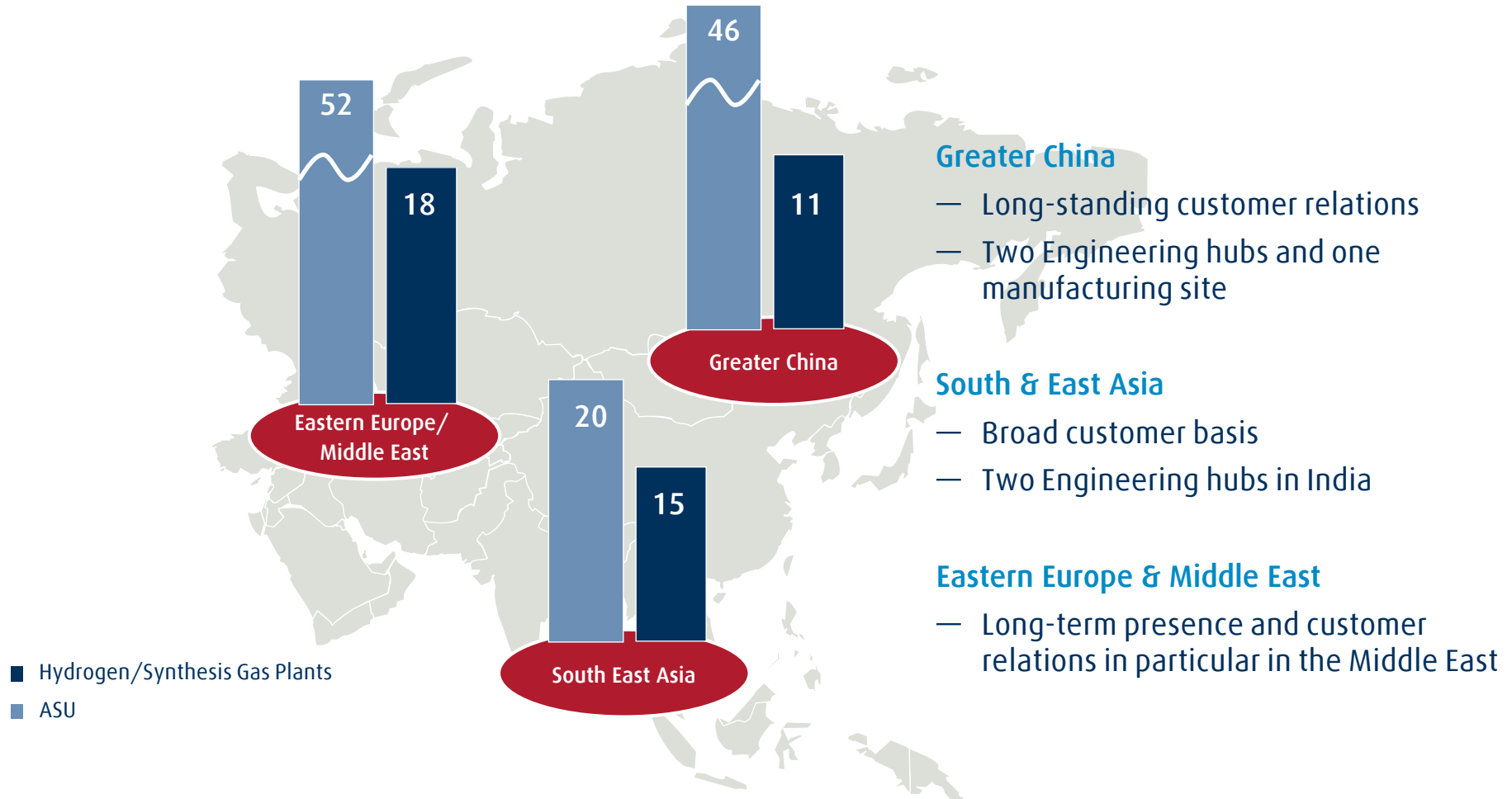
Mega-trend Growth Markets

Long-term Engineering footprint in Asia enables growth



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Number of ASU and hydrogen/synthesis gas plants sold by Engineering in Middle East and Asia to external customers since the year 2000*

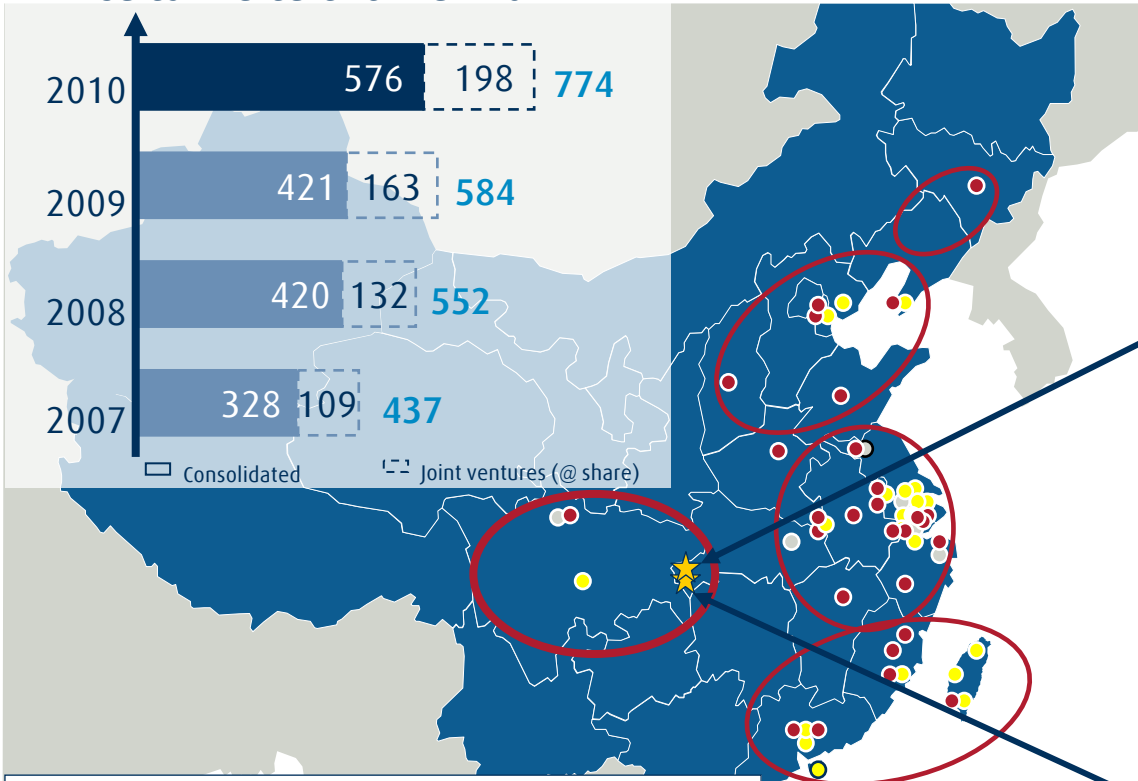


*including small plants and excluding plants sold to other international industrial gases companies

Linde Gases Division in Greater China

Chongqing - Developing a new large chemical cluster

Sales in Greater China in € m



April 2011

- JV agreement with Chongqing Chemical and Pharmaceutical Holding Company (CCPHC), 60% Linde share (fully consolidated)
- Large scale HYCO plant: ~ € 200 m capex, expected on stream date 2014
- Long-term on-site supply contracts with CCPHC and BASF

April 2009

- JV agreement with Sinopec Sichuan Vinylon Works (SVW), 50% Linde share
- Air Separation plant: ~ € 50 m capex, expected on stream date 2011
- Long-term on-site supply contract with SVW

BASF and CCPHC to build and operate in **Chongqing** a world scale chemical cluster to supply the fast developing West China market (> 200 m people)

Mega-trend Growth Markets

Leading player in Greater China



Oil/Petrochemicals



扬子石化-巴斯夫有限责任公司
BASF-YPC Company Limited



Chemicals



Metallurgy



ThyssenKrupp Steel



Electronics



Others

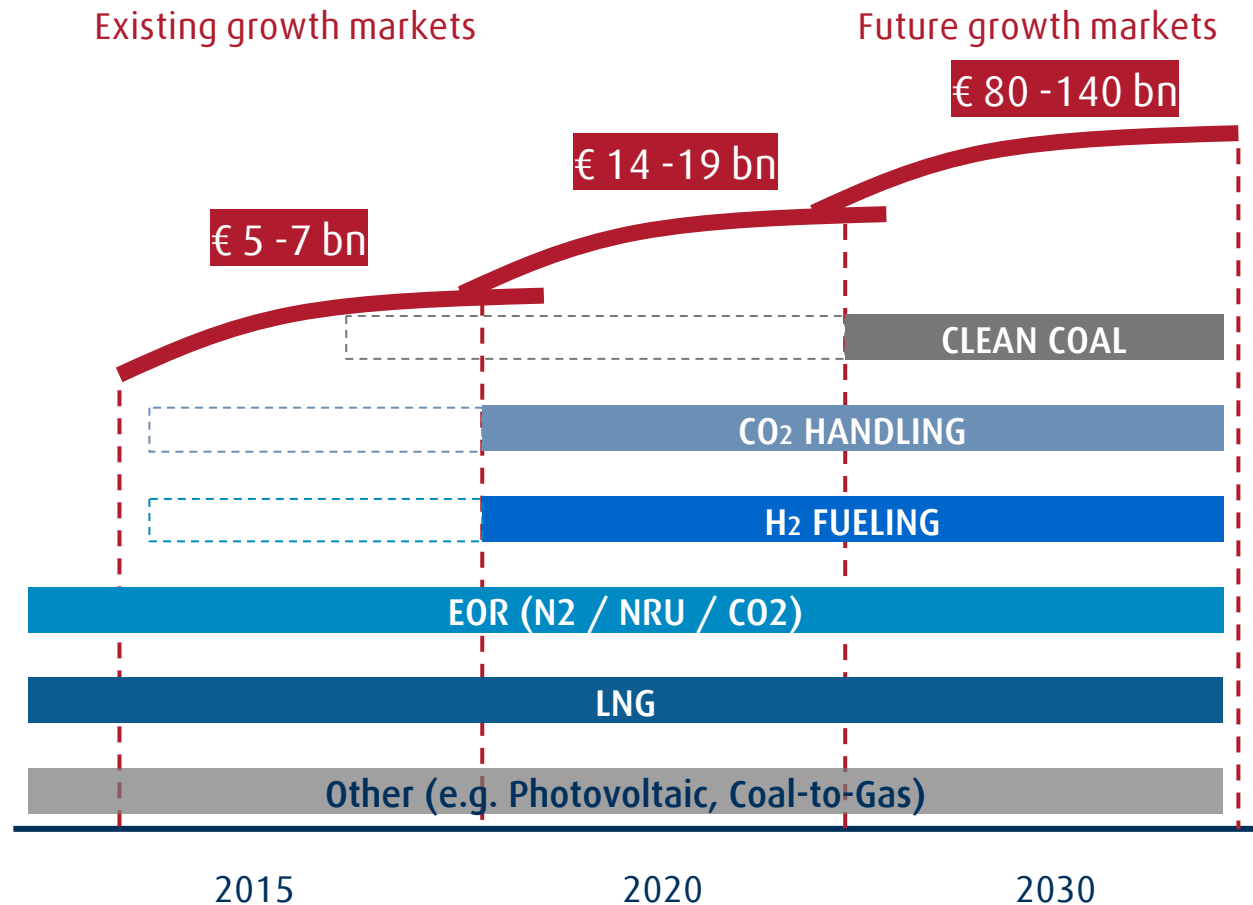


Mega-trend Energy/Environment

Potential Energy/Environment market is huge

- Competitive advantage due to Leading Engineering know-how and in particular also development of equipment
- Better use of fossil resources, e.g. enhanced oil & gas recovery
- Renewable energy, e.g. hydrogen fueling
- Clean Energy, e.g. Clean Coal
- Other, e.g. Photovoltaic, Coal-to-Gas

Energy/Environment annual market revenue estimates in € bn*



*Assuming 100% Build Own Operate and excluding sale of equipment and plants

■ Annual market revenue in the respective year
 □ Pilot projects and small volumes

(Please find assumptions for estimates on page 50)

Mega-trend Energy/Environment

Clean Energy development trends

Example: LNG-terminal Sweden



High market potential for merchant LNG:

- No natural gas pipeline grid on the Swedish East coast
- Swedish government focused on renewable energy with LNG as bridge technology
- LNG replaces LPG, light and heavy fuel oil
- LNG attractive as fuel for transportation to reduce sulphur and NOx emissions
- Supply provided by customer of Engineering Division in Norway

Example: Bio-to-Liquids, US



World's largest biofuel plant producing LNG from landfill gas:

- Plant has produced > 2 m gallons LNG since start-up in 2009
- Fuel for around 300 refuse trucks
- Carbon emission reduction by 97% compared to diesel and 95% compared to pipeline natural gas
- 2010 California Governor's Environmental and Economic Leadership Award

Example: CO₂-Handling, NL



Reduction of CO₂ Emission by 170k tons per annum:

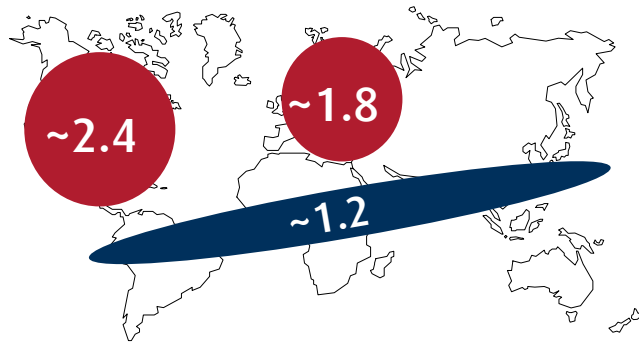
- Replacement of CO₂ generated by gas furnaces with CO₂ from a Shell refinery
- 85 km transportation pipeline with 150 km of distribution lines
- Prevents combustion of 95 million cubic metres of natural gas

Existing growth markets

Future growth markets

Mega-trend Healthcare

Growth through innovation and regional expansion



← Additional medical gases market 2010 vs. 2020 in € bn

- Mature markets
- Growth markets

Source: Linde database, figures incl. gas therapies and care concepts

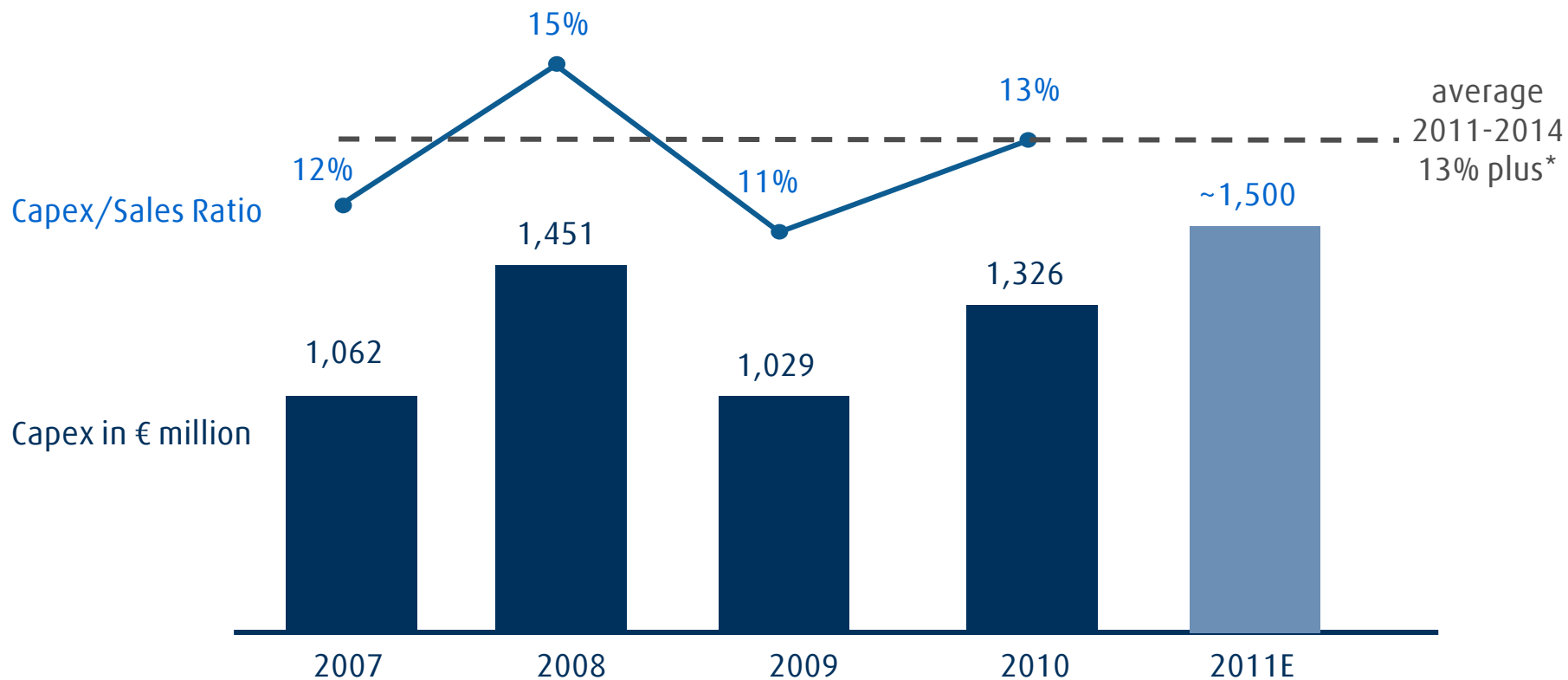
Linde Healthcare development approach



1. Operational and Financial Performance
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3. Outlook

Gases, Capex

Development Capex Sales Ratio 2007 - 2010



Data 2007-2010 @ actual average fx rates at the end of the respective year;

* plus: additional potential for mega-projects

2011	Group	<ul style="list-style-type: none"> — Growth in sales and operating profit vs. 2010 — Confirmation of HPO-programme: € 650-800 m of gross cost savings in 2009-2012
	Gases	<ul style="list-style-type: none"> — Sales increase vs. 2010 — Operating profit to grow at a faster pace than sales
	Engineering	<ul style="list-style-type: none"> — Sales at the same level as in 2010 — Operating margin of at least 8%
2014	Group	<ul style="list-style-type: none"> — Operating profit of at least € 4 bn — Adjusted ROCE of 14% or above
	Gases	<ul style="list-style-type: none"> — Average capex/sales ratio 13% plus — Revenue increase above market growth — Further increase in productivity

1. Operational and Financial Performance
2. Strategic Focus:
 - High Performance Organisation
 - Growth Potential Mega-trends
3. Outlook

Group Financial Highlights

3M 2011



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in € million	3M 10	3M 11	in %
Sales	2,894	3,325	+14.9
Operating profit	641	761	+18.7
Margin	22.1	22.9	+80 bp
EBIT before PPA depreciation	410	507	+23.7
PPA depreciation	59	61	-
EBIT	351	446	+27.1
Financial Result	-68	-49	-
Taxes	70	94	-
Net income	213	303	+42.3
Net income – Part of shareholders Linde AG	198	284	+43.4
EPS in €	1.17	1.67	+42.7
Adjusted EPS in €	1.41	1.88	+33.3

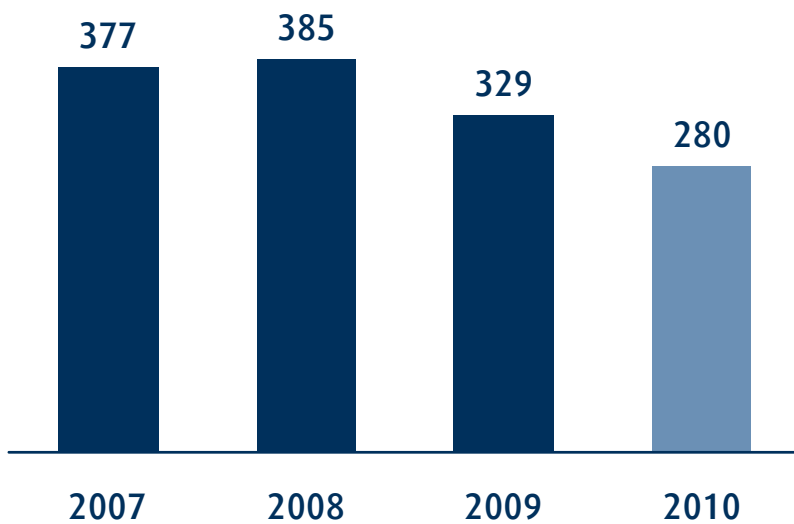
Group, FY 2010

Key P&L items

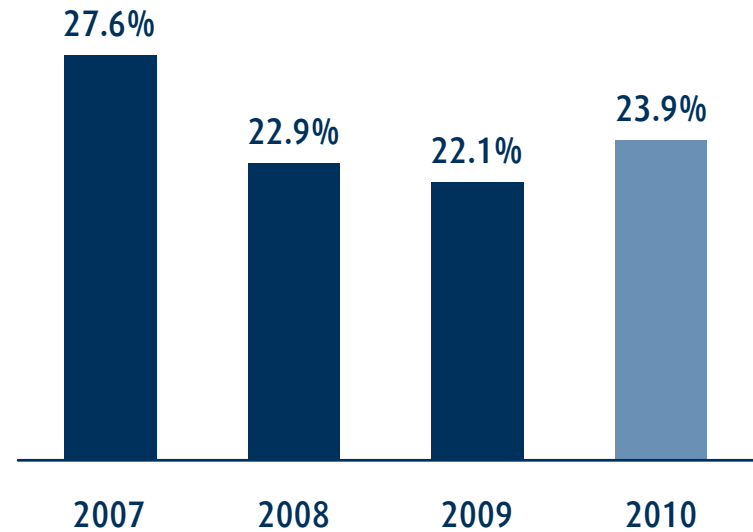


in € million	2009	2010	Δ in %
Sales	11,211	12,868	14.8
Operating Profit	2,385	2,925	22.6
Margin	21.3%	22.7%	+140bps
EBIT before PPA depreciation	1,460	1,933	
PPA depreciation	-293	-254	
EBIT	1,167	1,679	
Financial Results	-329	-280	
Taxes	-185	-335	
Net income – Part of shareholders Linde AG	591	1,005	
Net income adjusted	772	1,167	51.2
EPS in €	3.51	5.94	
EPS in € adjusted	4.58	6.89	50.4

Financial Result (in € million)



Tax Rate



Group, Cash Flow Statement

Operating Cash Flow up 10.8% to € 440 m



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in € million	Q1 10	Q1 11
Operating profit	641	761
Change in Working Capital	-98	-180
Other changes	-146	-141
Operating Cash Flow	397	440
Investments in tangibles/intangibles	-223	-237
Acquisitions/Financial investments	-6	-13
Other	38	43
Investment Cash Flow	-191	-207
Free Cash Flow before Financing	206	233
Interests and swaps	-22	-45
Dividends and other changes	-1	-2
Net debt decrease (+)/ increase (-)	+183	+186

Group, FY 2010

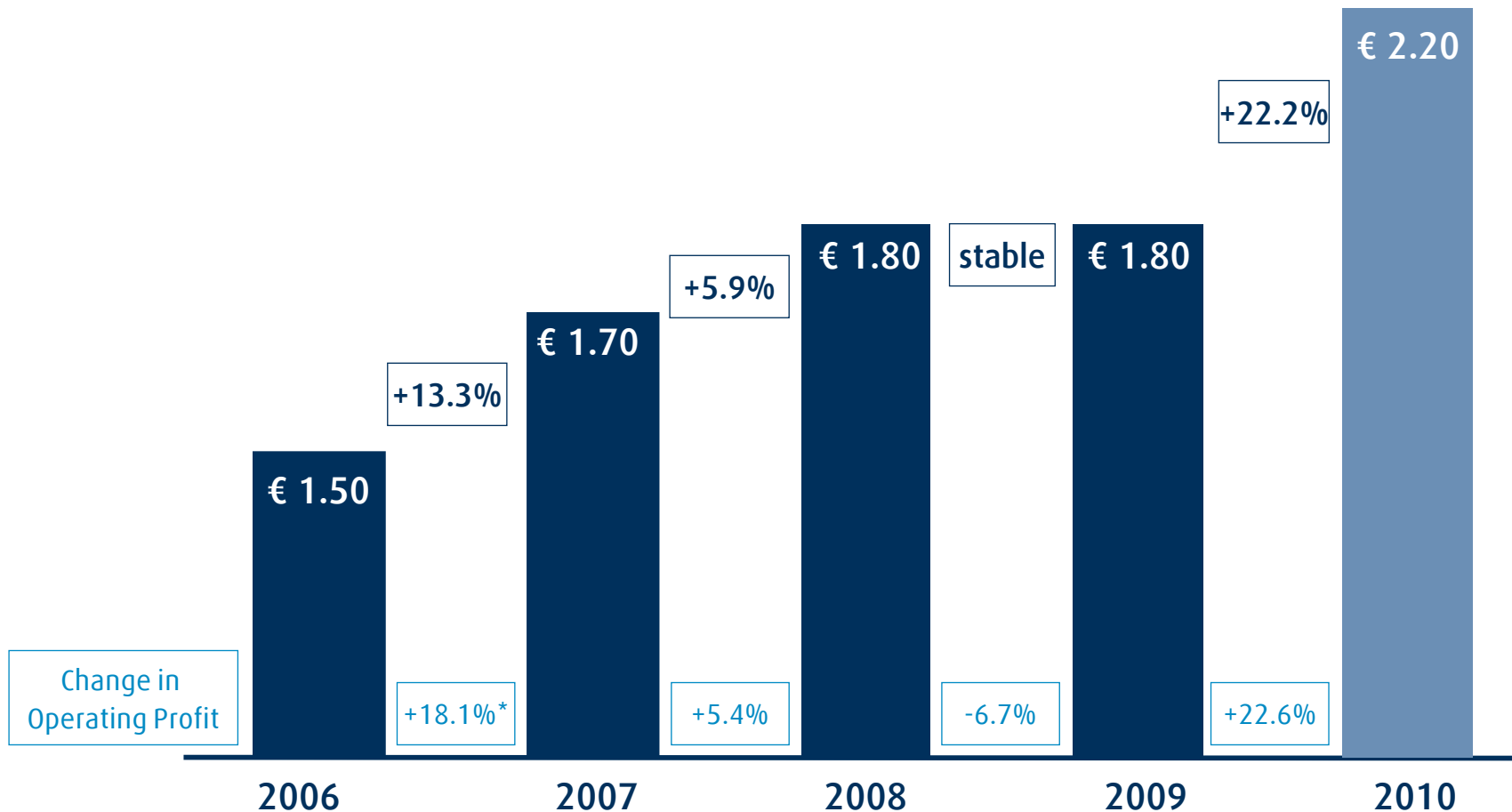
Cash flow statement

in € million	Q1/10	Q2/10	Q3/10	Q4/10	2010	2009
Operating Profit	641	755	749	780	2,925	2,385
Change in Working Capital	-98	-3	-25	210	84	160
Other changes	-146	-247	-93	-101	-587	-403
Operating Cash flow	397	505	631	889	2,422	2,142
Investments in tangibles / intangibles	-223	-280	-261	-428	-1,192	-1,104
Acquisitions / Financial investments	-6	-9	-20	-33	-68	-86
Other	38	44	54	59	195	200
Investment Cash flow	-191	-245	-227	-402	-1,065	-990
Free Cashflow before financing	206	260	404	487	1,357	1,152
Financing activities	-23	-423	-102	-30	-578	-630
Net debt increase (+) / reduction (-)	183	-163	302	457	-779	-522

Group, dividends

Proposed dividend increased by 22.2% to € 2.20

Consistent dividend policy



* Comparable change: prior year figures including twelve months of BOC

Group, solid financial position

FY 2010: Stable long-term financing

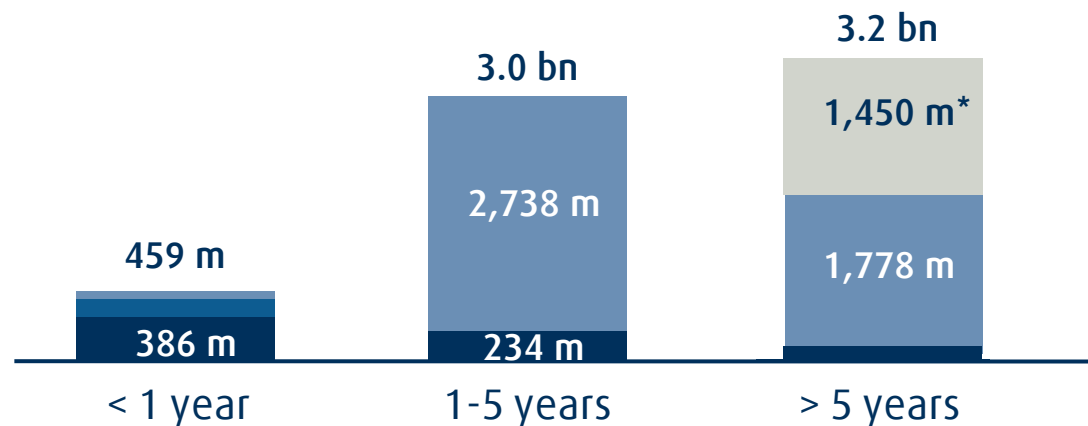
Well-spread and long-dated maturity profile

- Regular issues have continuously lengthened our refinancing schedule
- More than 90% of total financial debt is due beyond 2011
- Approx. 50% of total financial debt has a longer maturity than 5 years

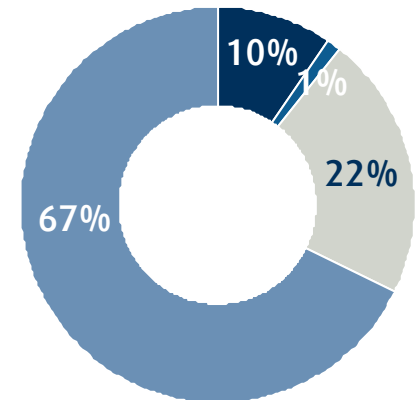
Balanced mix of various financing instruments

- Long-term bond financing covers approx. 90% of financial debt
- Strategic funding in EUR, GBP, USD and AUD

Financial debt, by maturity (in €)



Financial debt, by instrument



- Senior Bonds
- Subordinated Bonds
(* callable in 2013/2016)
- Commercial Paper
- Bank Loans

Group, solid financial position

FY 2010: Liquidity reserve further strengthened

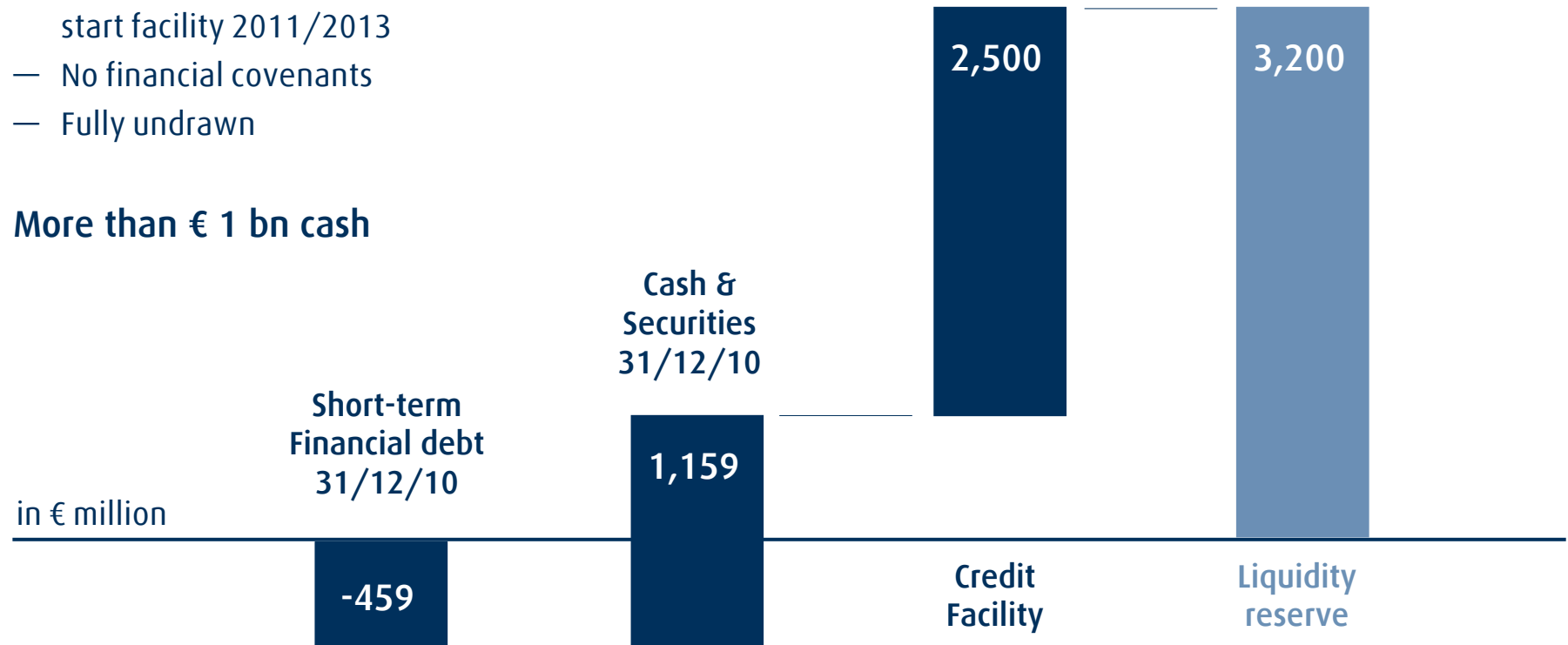


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€ 2.5 bn committed revolving credit facility maturing in 2015

- Arranged in May 2010 with 25 national and international banks
- Replaced € 2 bn syn loan maturing in 2011 and € 1.6 bn forward start facility 2011/2013
- No financial covenants
- Fully undrawn

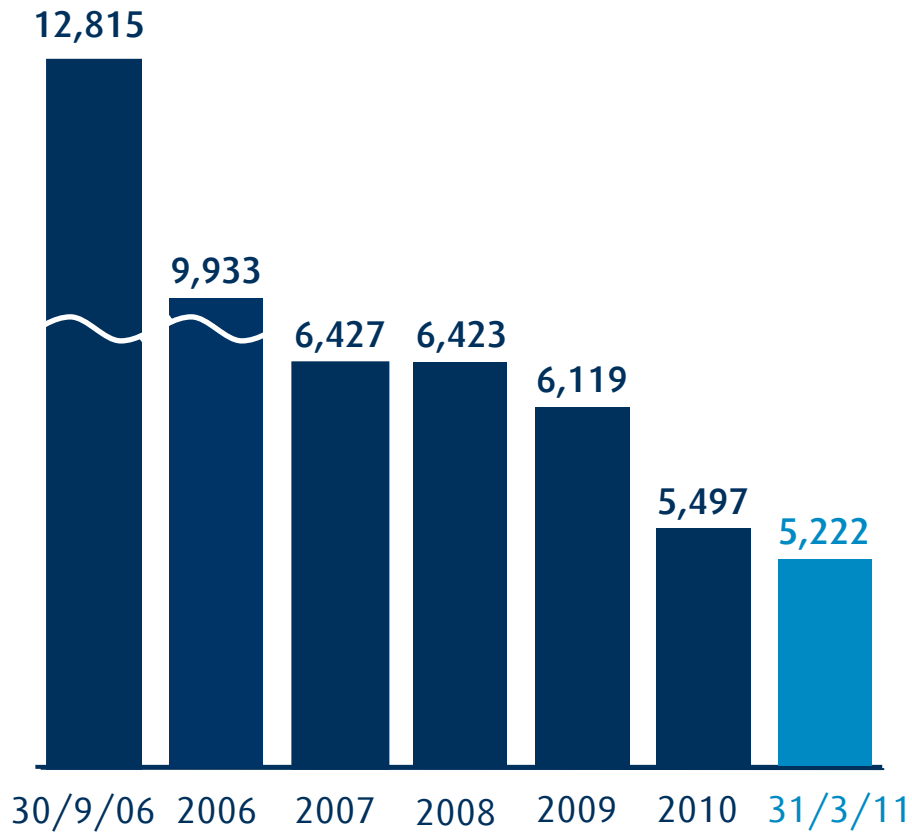
More than € 1 bn cash



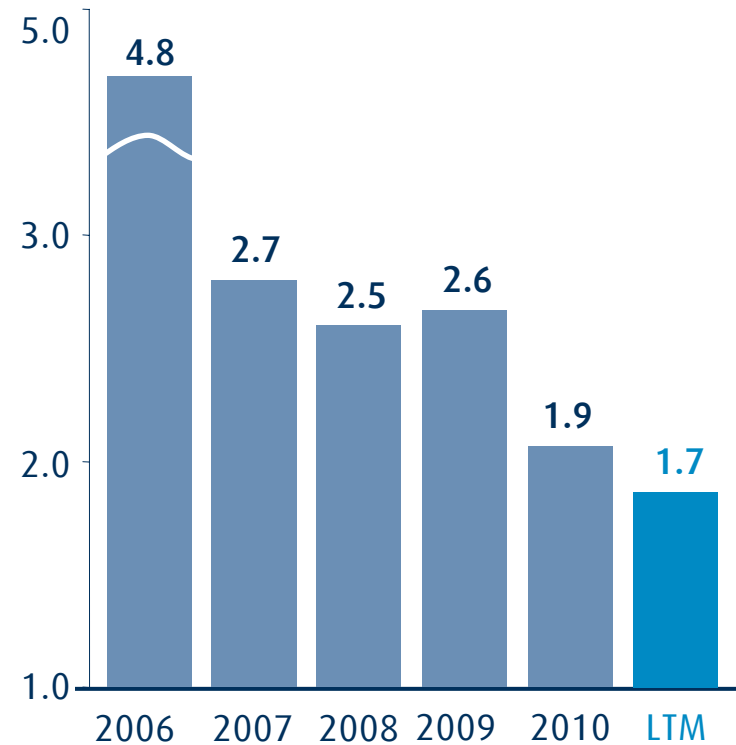
Group, solid financial position

Net debt/EBITDA-ratio of 1.7x

Net debt in € bn



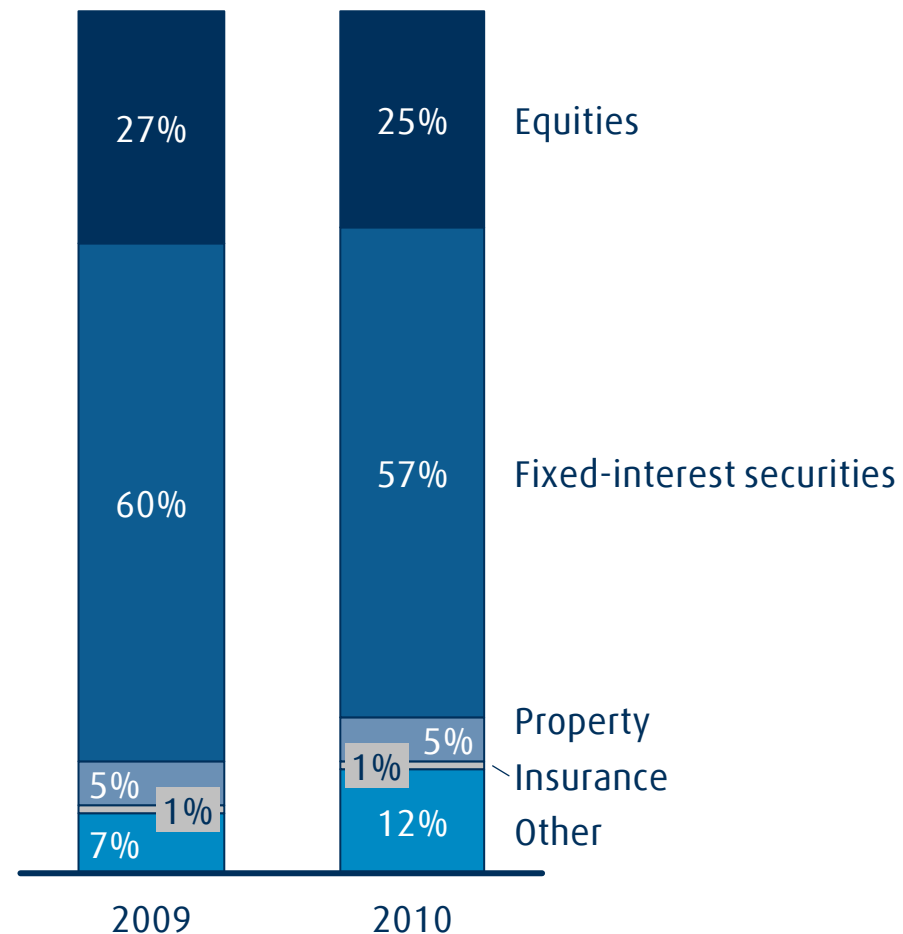
Net debt/EBITDA



Net obligation

in € million	DBO	Plan asset	Net obligation
01.01.2010	4,744	3,896	848
Service costs	93		93
Net financing	265	246	19
Actuarial gains/losses	-92	141	-233
Contributions/payments	-217	-9	-208
FX	209	200	9
Other	-31	-7	-24
31.12.2010	4,971	4,467	504

Pension plan assets portfolio structure

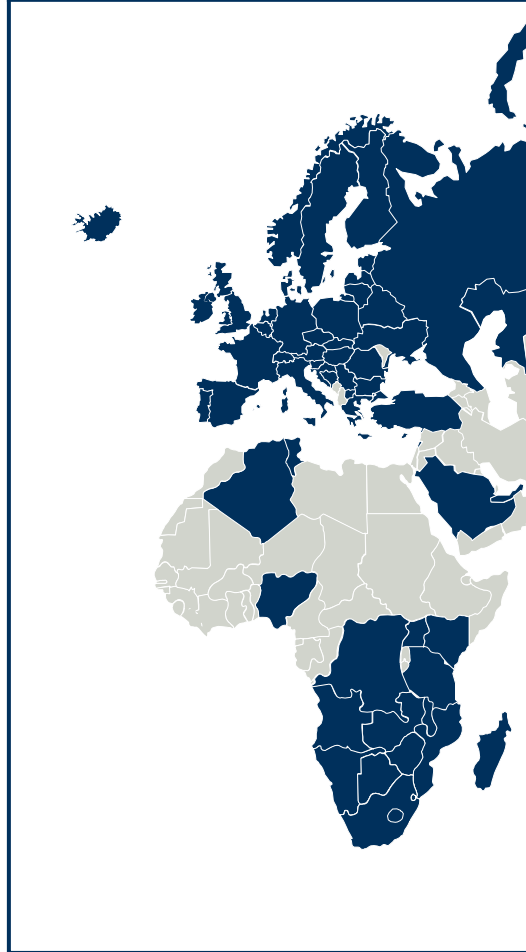


Gases Division, New Operating Segments

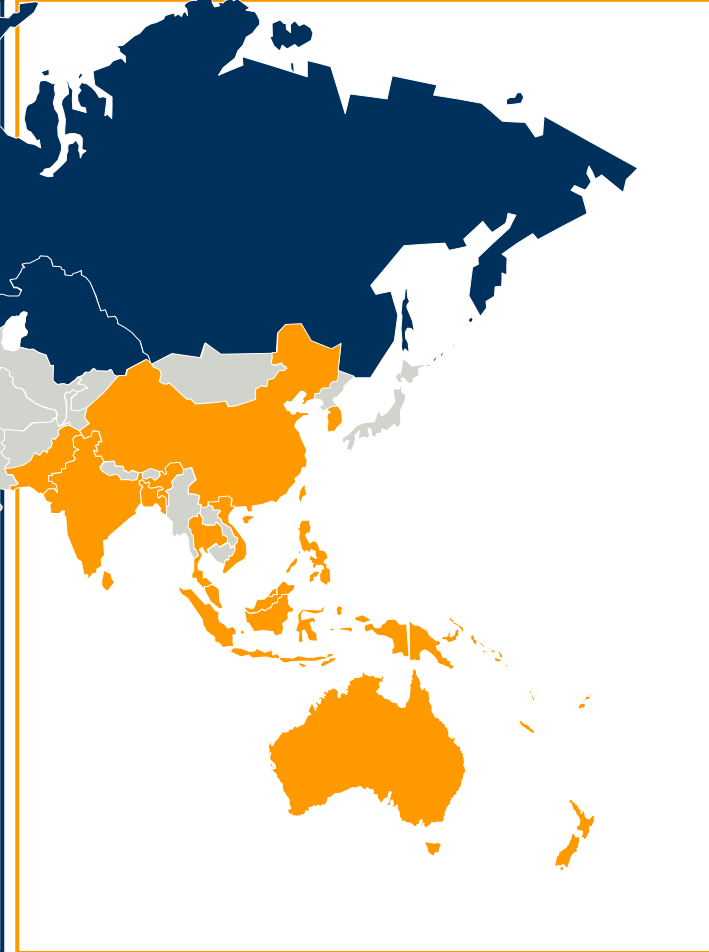
Americas Kent Masters



EMEA (Europe, Middle East, Africa) Aldo Belloni*



Asia/Pacific Sanjiv Lamba

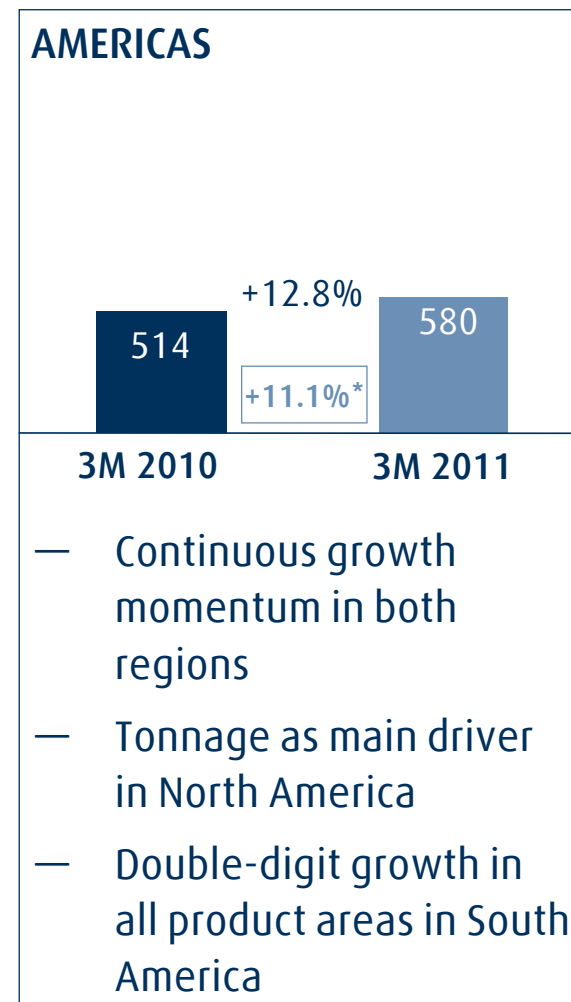
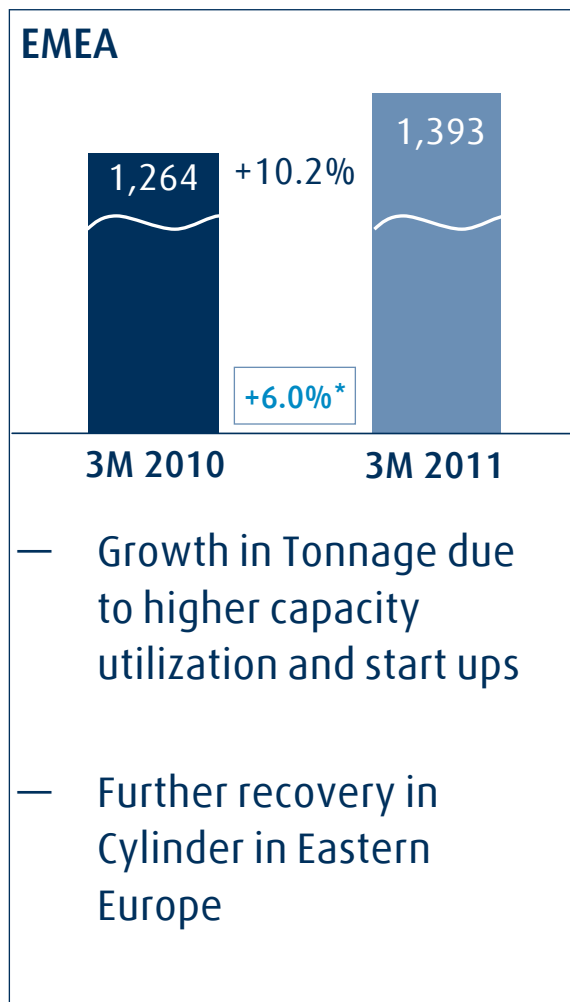


* also responsible for the Engineering Division

Gases Division, sales by operating segment

Growth momentum continues in all regions

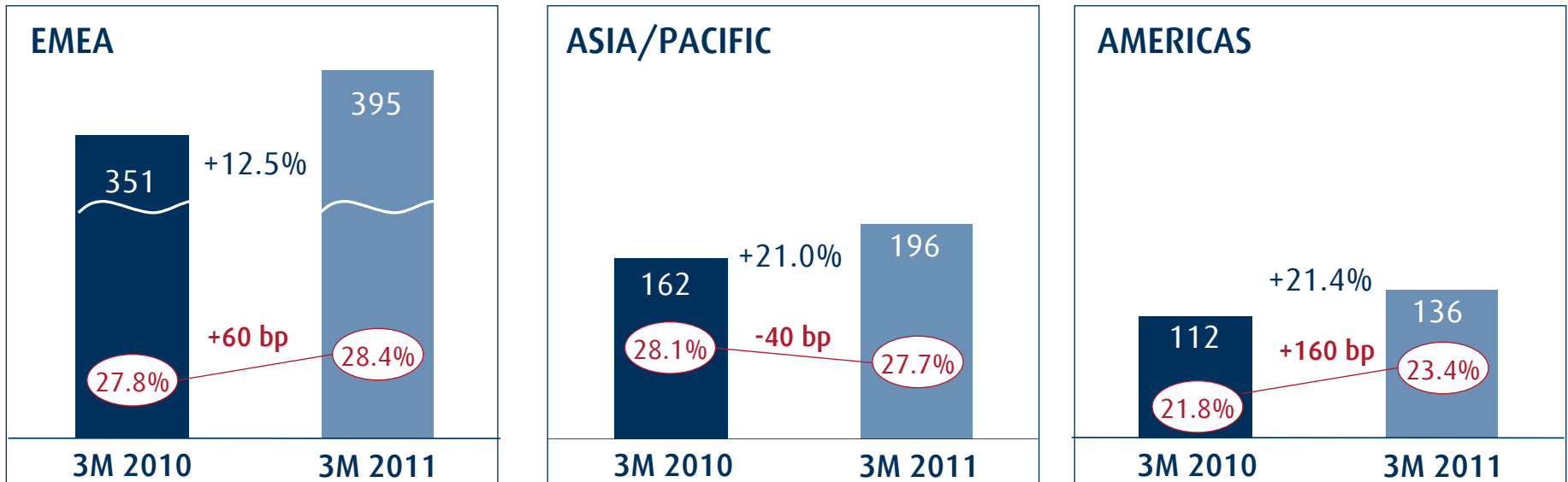
in € million



Gases Division, operating profit by operating segment

Operating margin further increased to 27.3%

in € million

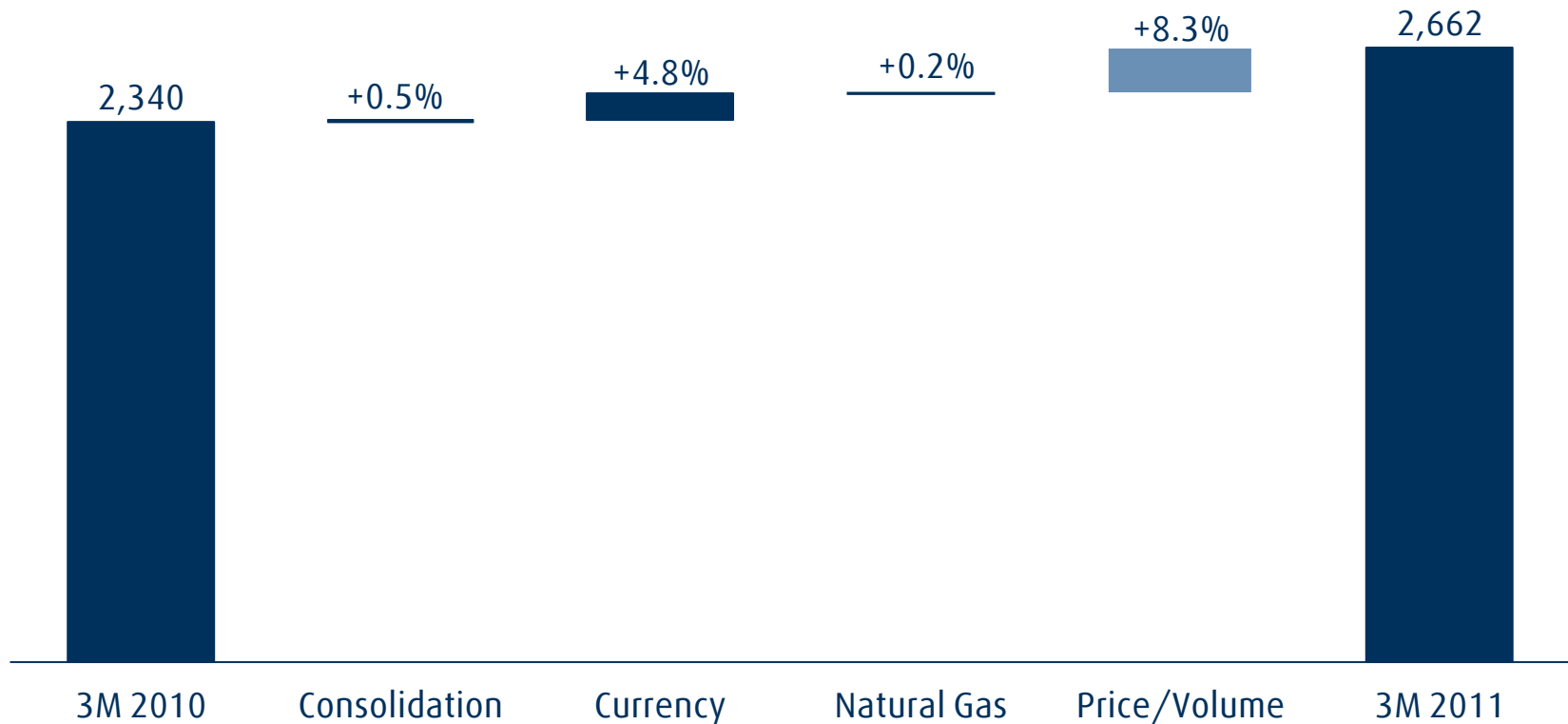


- Continuous implementation of HPO initiatives supports margin development in all regions
- EMEA and AMERICAS drive the margin improvement in the Gases Division in the first quarter
- ASIA/PACIFIC margin in the first quarter slightly affected by pre-investments in structural growth initiatives in ASIA

Division Gases, sales bridge

3M sales increase of 8.3% on comparable basis

in € million

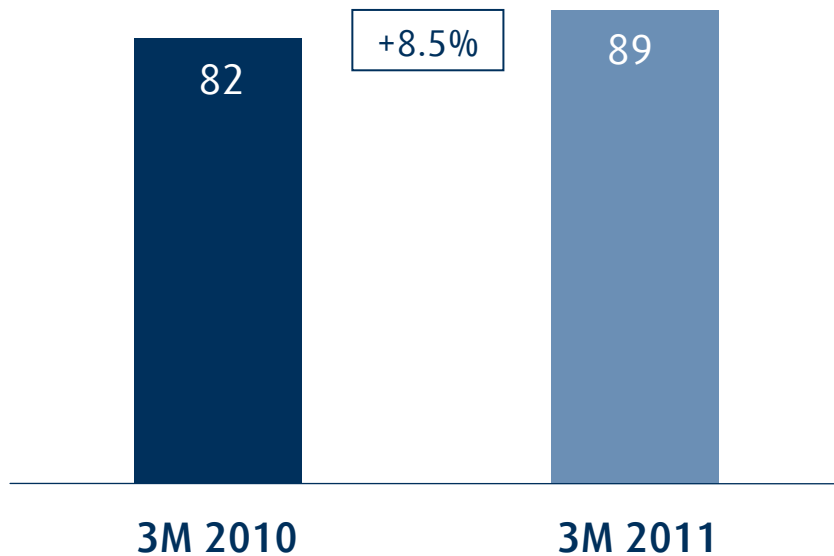


Gases Division, Joint Ventures

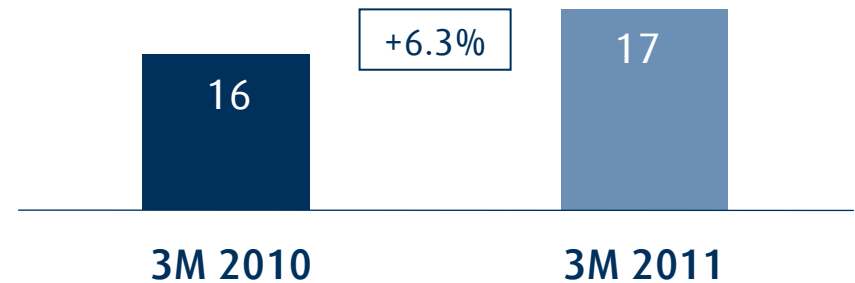
Asian projects drive growth of our JV sales

in € million

Proportionate Sales (not incl. in the Group top-line)



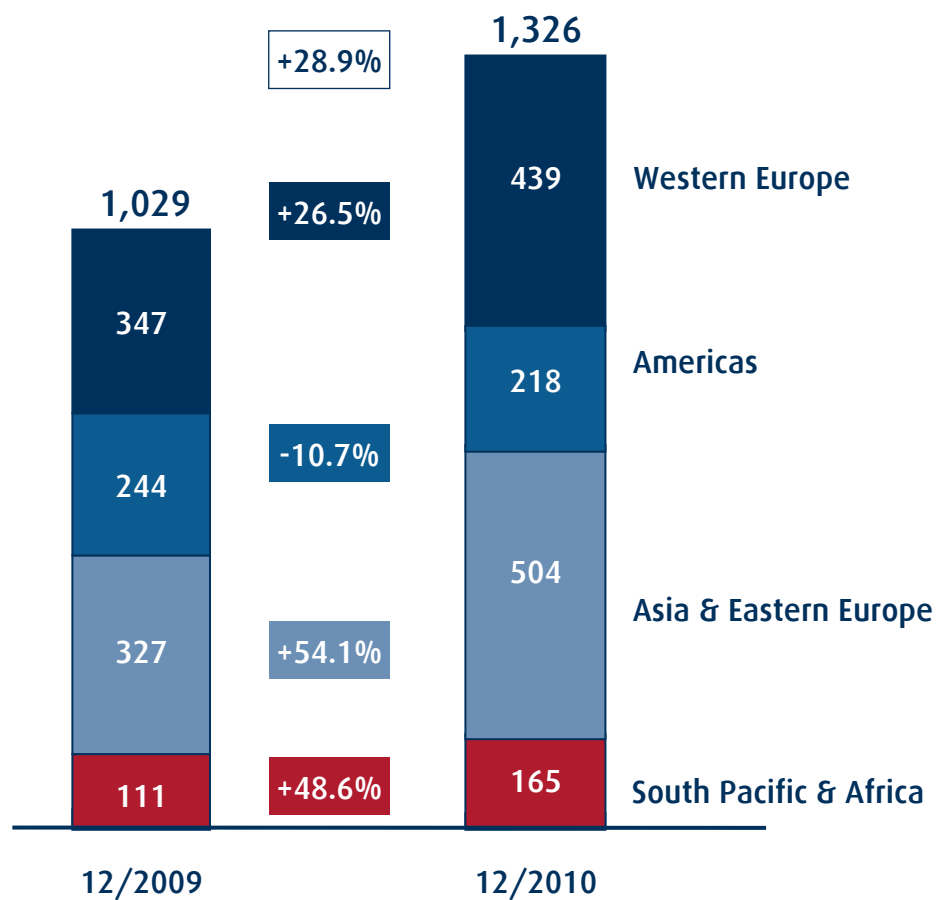
Share of Net Income (contribution to operating profit)



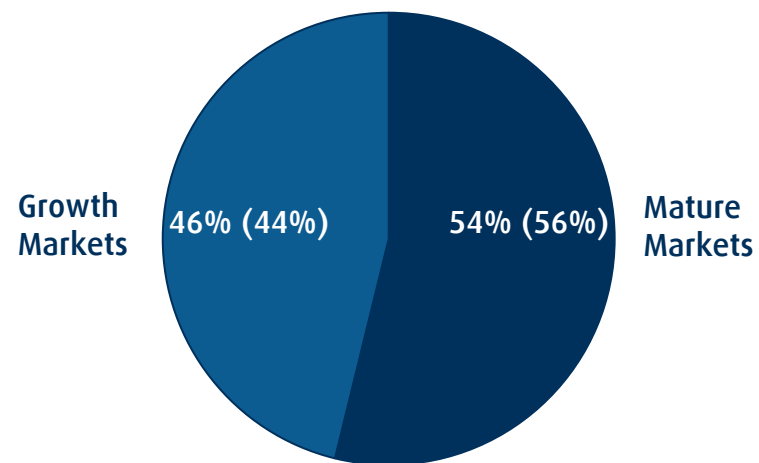
Gases Division

Split of Capex by operating segment

in € million



Split Capex by markets 2010 (2009)



Gases Division, product areas

Various distribution mix served from one product source



- 15-year take-or-pay contracts (incl. base facility fees)
- Add. growth in JVs & Embedded Finance Lease projects

Tonnage
Global #2

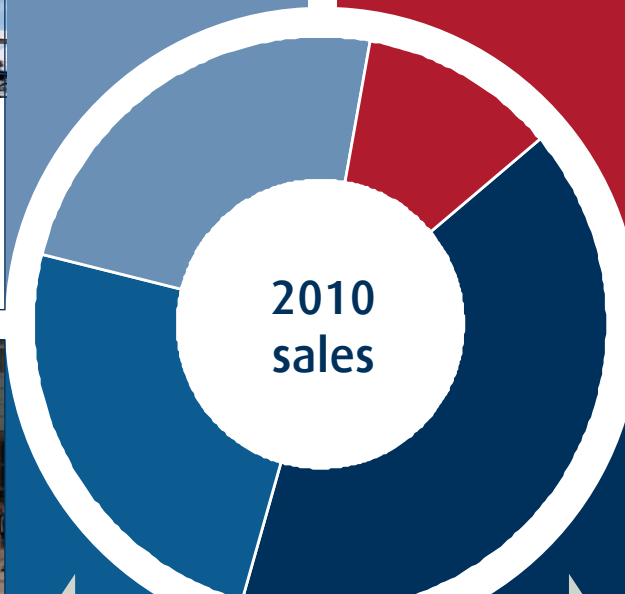
Healthcare
Global #2



- Hospital care & Homecare
- Bulk & cylinder gases
- Structural growth



- Multi-year contracts
- Application-driven



> 70% of revenues from
> 30% market share

Bulk
Global #1

Cylinder
Global #1



- High customer loyalty
- Includes specialty gases
- Cylinder rentals

Gases Division, local business model

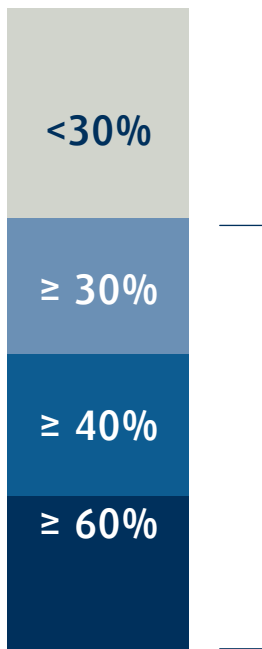
70% of revenues come from a leading market position

In bulk & cylinder: >70% of revenues from >30% market share positions

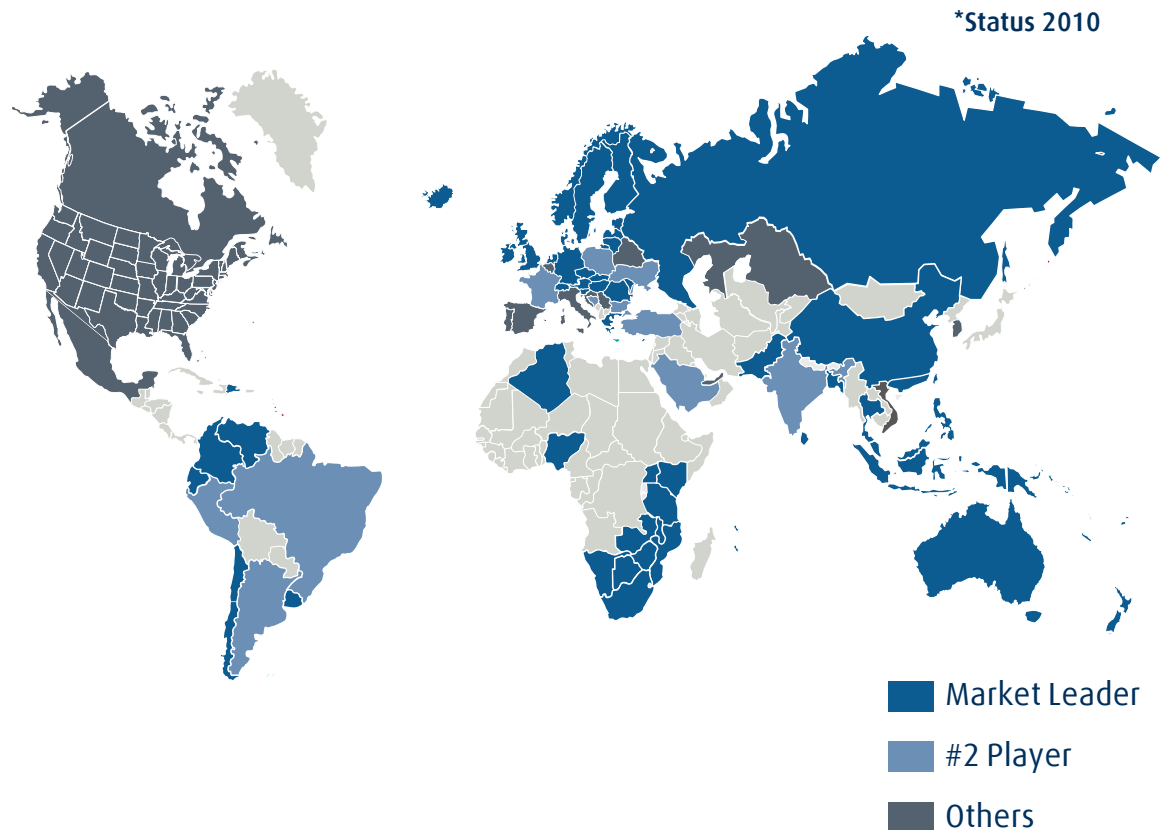
Sales split by market shares

Market leader in 47 of the 75 major countries,
#2 Player in another 15

€10.2 bn*



*FY 2010



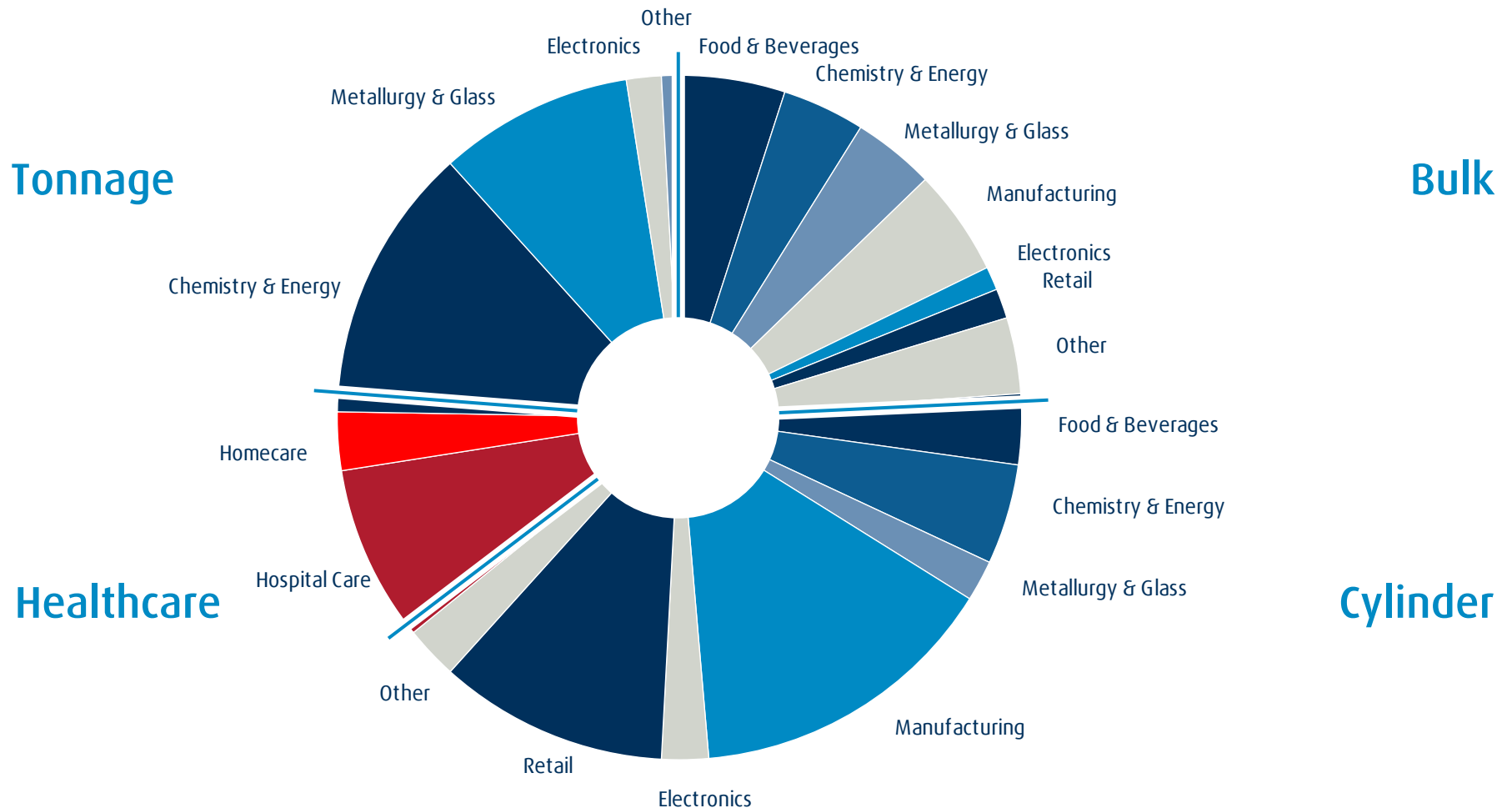
Gases Division

Stability driven by a broad customer base



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2010: Split of product areas by major end-customer groups



Engineering Division

Global set-up with leading market position in all segments



Air Separation Plants



Top1

Hydrogen/ Synthesis Gas Plants



Top2

Olefin Plants



Top2

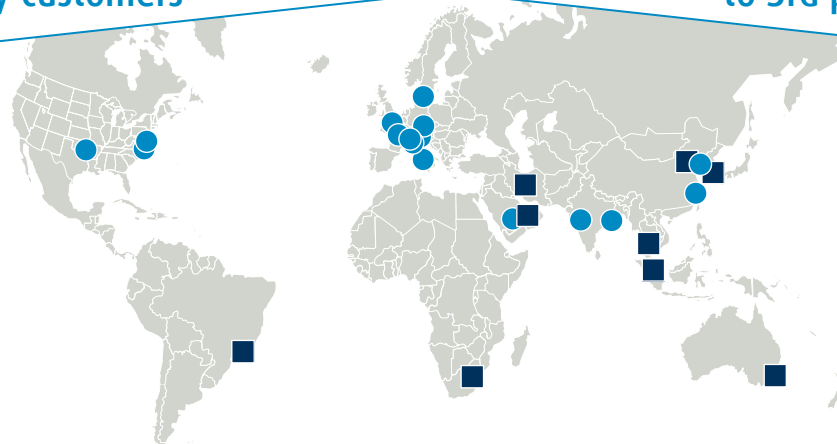
Natural Gas Plants



Top3

Providing plants for the gases business
and 3rd party customers

Providing chemistry and energy related solutions
to 3rd party customers

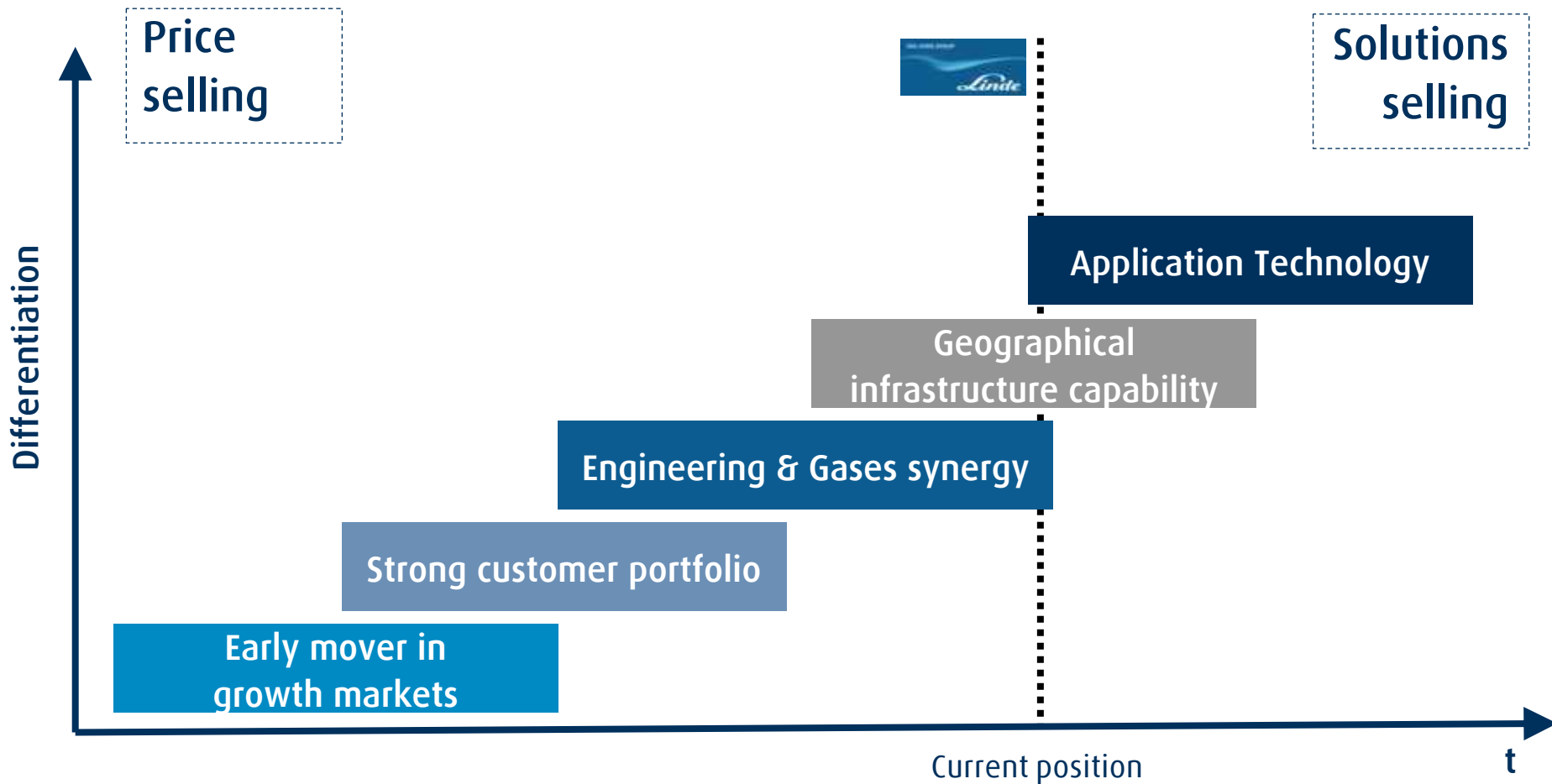


- Engineering base
- Sales office

Supporting the energy/environmental mega-trend and leveraging customer relations for gas projects

Mega-trend Growth Markets

Business approach in Growth Markets

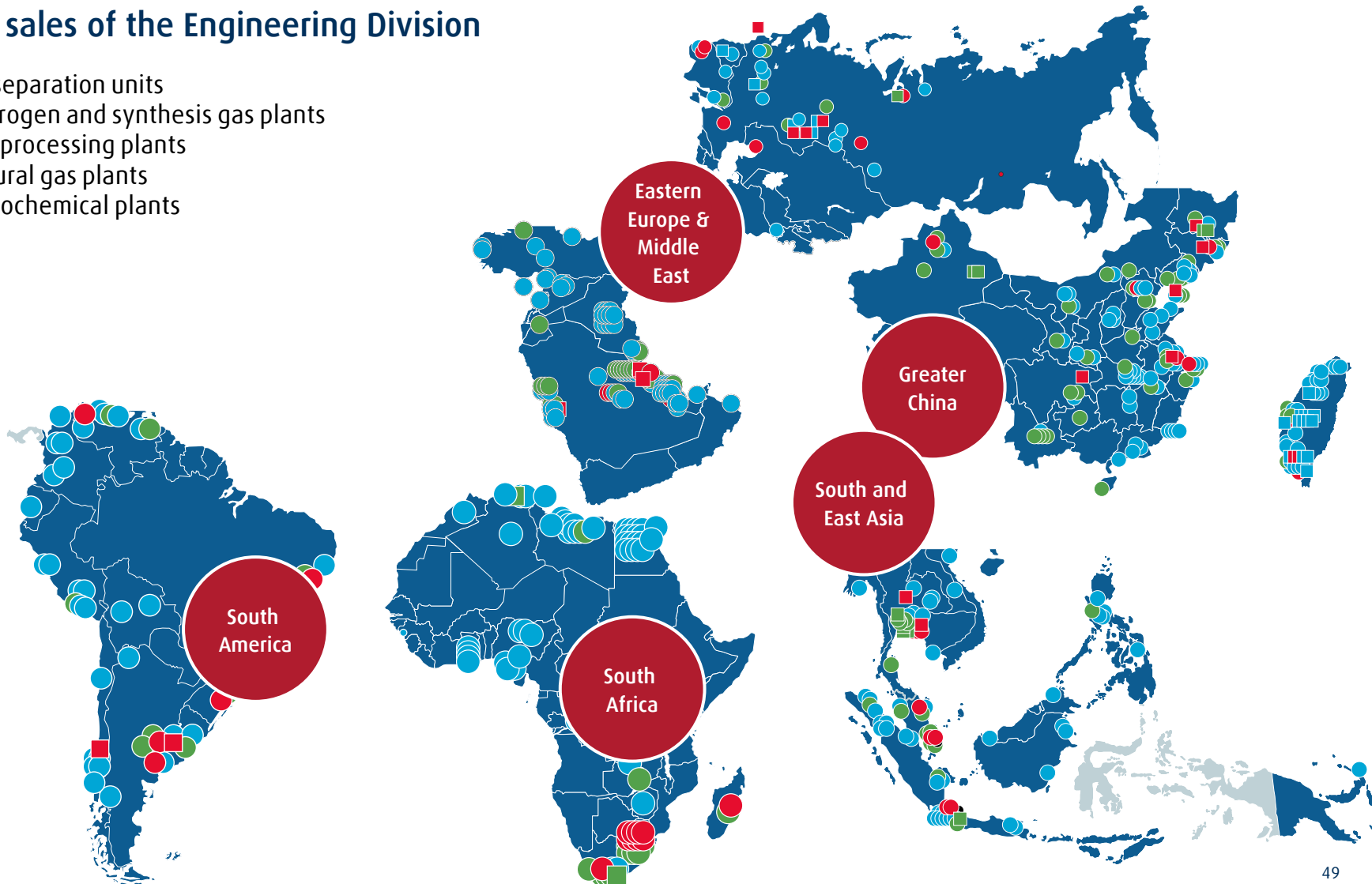


Mega-trend Emerging Markets

Strong customer relationships in Engineering

Plant sales of the Engineering Division

- Air separation units
- Hydrogen and synthesis gas plants
- Gas processing plants
- Natural gas plants
- Petrochemical plants



Clean Energy market estimation 2020 & 2030 top down

General assumptions:

- Market numbers are directional only and w/o inflation or fx
- Oil price development at 80-100 USD/bll
- Outsourced gases market only (excl. captive market or equipment sales),

Market size in € bn

Assumptions for 2030		2015	2020	2030
LNG merchant/floating	<ul style="list-style-type: none"> - Based on penetration rate of LNG replacing existing fuels; - Merchant LNG projects based on geographical set up and existing infrastructure - Floating LNG projects 	3-4	6-10	11-23
Enhanced Oil Recovery Nitrogen Rejection Unit	<ul style="list-style-type: none"> - Single to double digit number of large N2 EOR/NRU projects - Double digit number of large CO2 EOR projects including industrial CO2 capture and pipeline (overlapping w/CCS) 	1-1.5*	4-5*	18-35*
Carbon Capture & Clean Coal	<ul style="list-style-type: none"> - Triple-digit number of 1 GW Carbon Capture (1.5 Gt/a CO2 at EUR25-40/t) 	----	----	30-50
CO ₂ networks	<ul style="list-style-type: none"> - Installation of significant pipeline network and corresponding compression (1.5 Gt/a handling fee CO2 at EUR 10-15/t) 	small	1	15-25
Hydrogen fuelling	<ul style="list-style-type: none"> - Installation of a significant fuel station infrastructure - Corresponding annual H2 consumption of some bn tons p.a. 	small	1	10-15
Photovoltaic	<ul style="list-style-type: none"> - Includes all gases used for manufacturing of photovoltaic cells only 	1	2	3
Range		5-7	14-19	80-140

* Assuming 100% Build Own Operate and excluding sale of equipment and plants

Mega-trend Energy/Environment

Current and future growth markets for Gases & Engineering



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Better use of fossil resources:

Existing growth markets

Liquefied Natural Gas (LNG)	Statoil plant, Hammerfest, Norway
Gas-To-Liquid (GTL)	Pearl GTL project, Qatar Shell GTL LTD
CO ₂ scrubbing	RECTISOL® CO ₂ wash, used at Hammerfest LNG plant
Coal-to-Gas	ASUs and Rectisol for coal gasifications in China
Coal liquefaction	Tonnage contract with Bayer/SCCC ¹ in China
Enhanced Oil& Gas Recovery	Pemex Cantarell project, Mexico Adnoc Joint Venture, Abu Dhabi
Refinery Hydrogen	Tonnage contracts with Shell, EMAP, Chevron, CITGO,...

Renewable energy:

Developing growth markets

Photo-voltaic	Signed Gases contracts for 6 GWp of nominal capacity
Bio to Liquids	Waste Management JV plant started up in 2009
Biomass-Conversion	Choren/Sun Fuel Pilot Project, Germany
Geothermal	Turbines for geothermal project in France
Automotive Hydrogen	H2 Mobility Initiative launched with key industrial partners

Clean energy:

Future growth markets

OxyFuel	Vattenfall Pilot Project, Schwarze Pumpe, Germany
Post-comb. CO ₂ capture	RWE/BASF Pilot Project, Niederaussem, Germany
CO ₂ handling	Recycling CO ₂ (OCAP, Nld) CO ₂ SINK, Ketzin, Germany Statoil LNG plant, Norway

Higher efficiency in energy use: Sustained growth in traditional end markets

REBOX® oxy-fuel (steel), WASTOX® (aluminium), Oxygen burner (glass), Water Treatment, ...

¹ Shanghai Cooking & Chemical Corporation

Mega-trend Healthcare

High potential for medical gases and related services



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Linde Global Business Unit Healthcare :

- Second largest global medical gas business
- Active in more than 50 countries with approx 3,000 employees

Market Environment

- Increasing & ageing population
- Healthcare budget pressures & increasing regulation
- Healthcare quality issues & shortage of care providers
- Increasing wealth in Growth Markets
- Power patients

Healthcare Challenges & Opportunities

- Increased use of medical gases & related devices, services
- Increase in chronic diseases
- Therapies offering quality of life & cost reductions
- Privatization of care/outsourcing of services

Linde's product offer

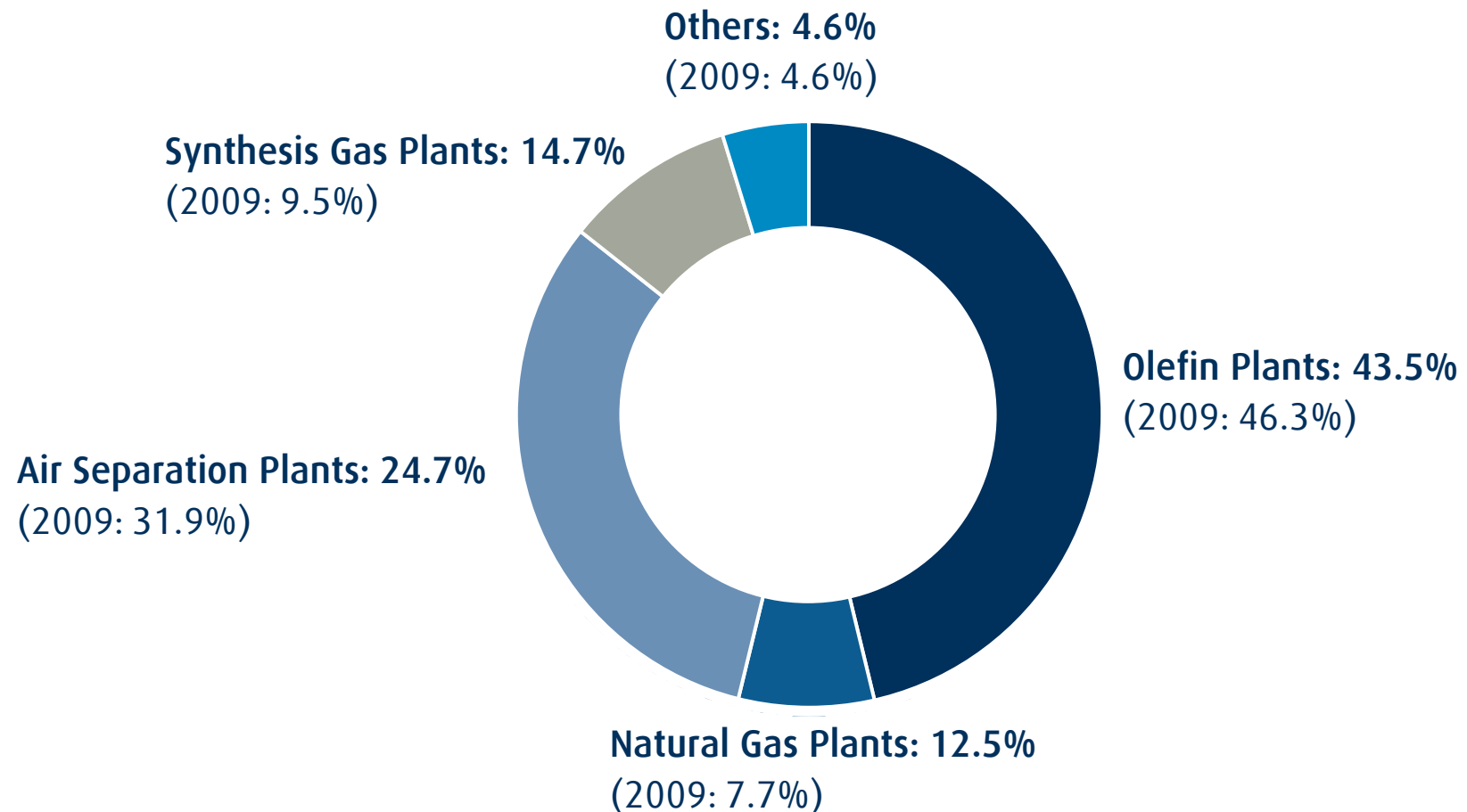
Hospital Care

Care Concepts

Homecare

Gas Therapies

Order backlog by plant type (31/12/2010)

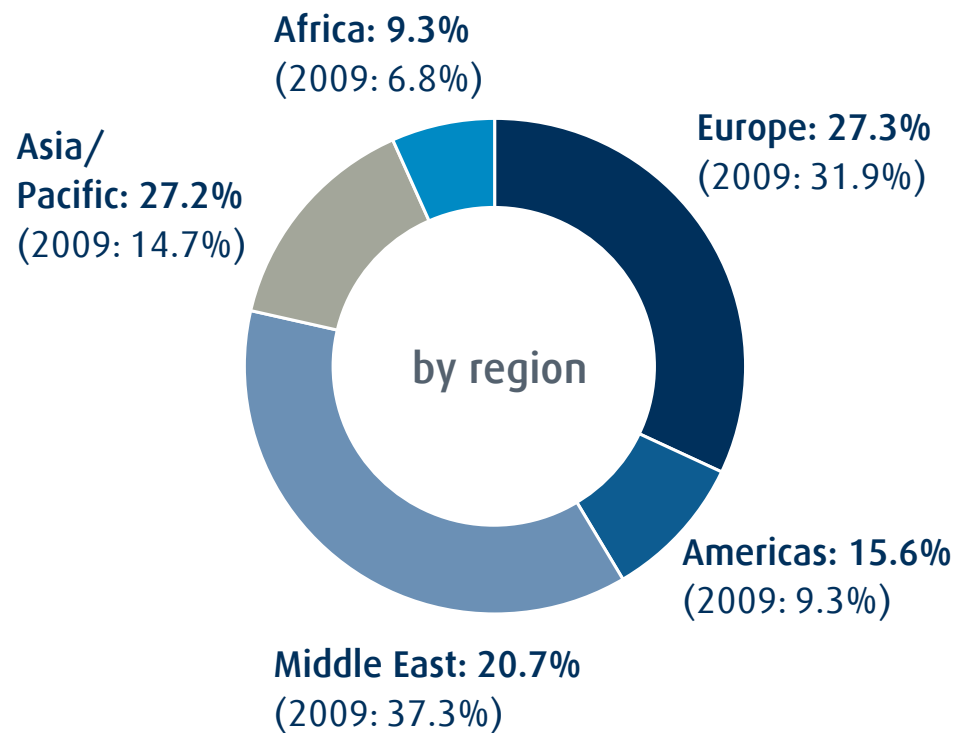
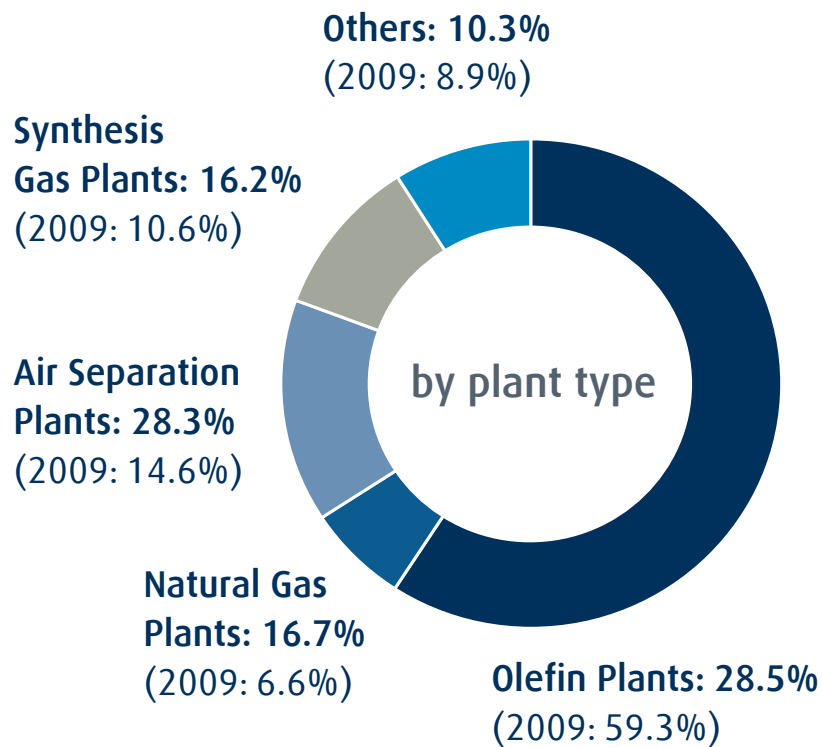


Engineering Division

FY 2010 order intake by plant type and region



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Group, Definition of financial key figures

Operating Profit	Return	EBITDA (incl. IFRIC 4 adjustment) excl. finance costs for pensions excl. special items incl. share of net income from associates and joint ventures
	adjusted ROCE	Operating profit - depreciation / amortisation excl. depreciation/amortization from purchase price allocation
	Average Capital Employed	equity (incl. minorities) + financial debt + liabilities from financial services + net pension obligations - cash and cash equivalents - receivables from financial services
adjusted EPS	Return	earnings after tax and minority interests + depreciation/amortization from purchase price allocation +/- special items
	Shares	average outstanding shares

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Financial Calendar

- Annual General Meeting: 12 May 2011
- Interim Report January to June: 29 July 2011
- Interim Report January to September: 28 October 2011