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Agenda



1. Operational and Financial Performance

- 2. Strategic Focus:
 - Growth Markets
 - Energy / Environment
 - Healthcare
- 3. Outlook

Appendix

Highlights 2011 Profitable Growth.

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Group sales and profit again on record levels

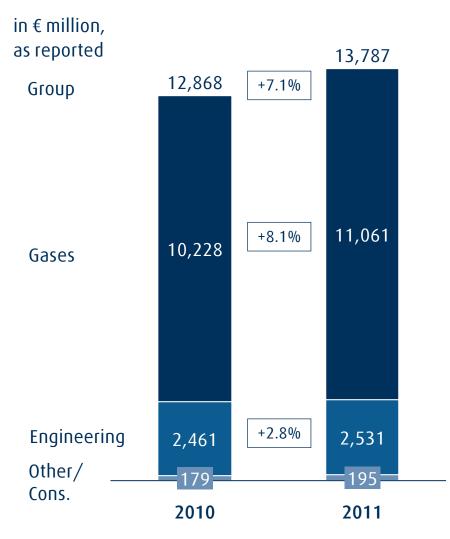
Group sales increased by 7.1% to € 13.787 bn Operating profit grew at a faster pace by 9.7% and came to € 3.210 bn Group operating margin has further improved by 60 bp to 23.3% Gases operating margin increased by 50 bp to 27.5% Adjusted* EPS increased by 11.9% to € 7.71 Adjusted* ROCE is up by 50 bp to 13.0% Net debt down by € 403 m to € 5.094 bn

Resilient business model and implementation of HPO initiatives drive profitable growth Solid contribution from Mature Markets and further increased share from Growth Markets Improvement of Gases operating margin in all operating segments supported by HPO

Outlook Mid-term targets for 2014 confirmed

Group, sales by Divisions Continued growth in all areas

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Gases Division

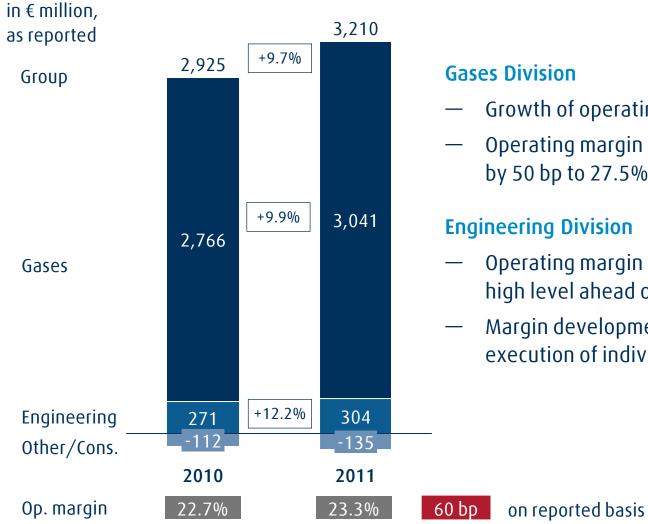
- Growth track continued in 2011 in all regions led by Asia/Pacific
- Growth in all product areas led by Tonnage and Bulk

Engineering Division

- Order intake well balanced between Growth Markets and Mature Markets
- Order backlog remains on solid level

Group, operating profit by Divisions Profitable Growth. - Group margin further improved

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Gases Division

- Growth of operating profit* continued
- Operating margin further improved by 50 bp to 27.5%

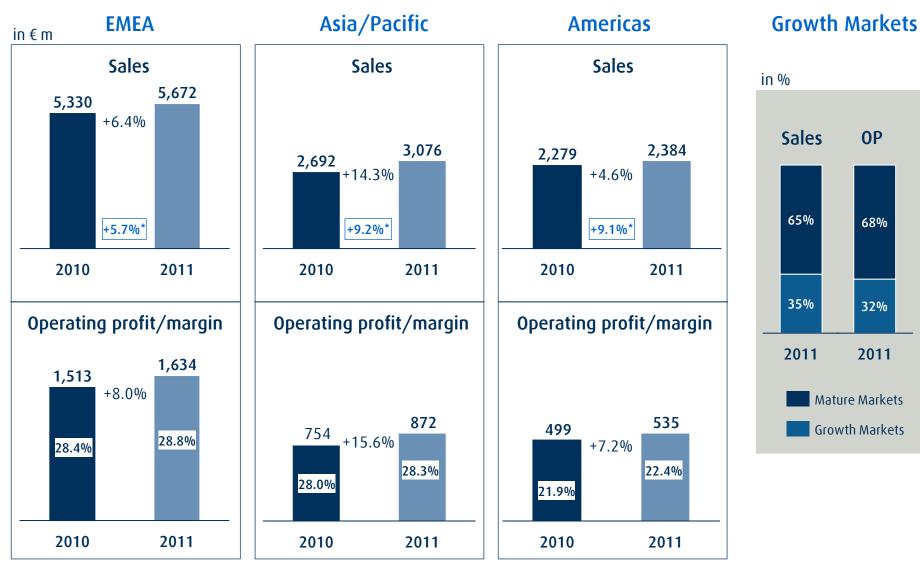
Engineering Division

- Operating margin of 12.0% on exceptional high level ahead of mid-term target of 8%
- Margin development driven by successful execution of individual projects

*EBITDA incl. share of net income from associates and joint ventures

Gases Division, operating profit by operating segment Profitable Growth continued in 2011

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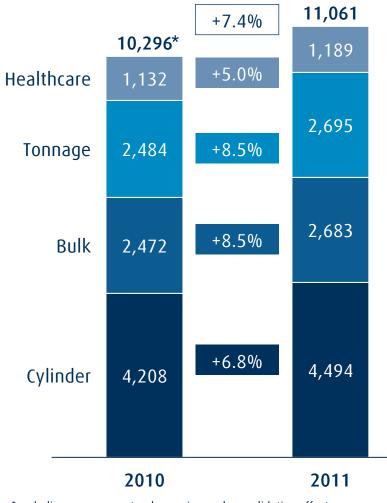


* excluding currency, natural gas price and consolidation effect

Gases Division, sales by product areas Balanced mix as basis for profitable growth

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in € million, comparable* (consolidated)



Solid growth in Healthcare

- The Mega-trend growth opportunities continue
- Acquisition will strengthen Homecare portfolio

Continuous growth in Tonnage again above previous record level

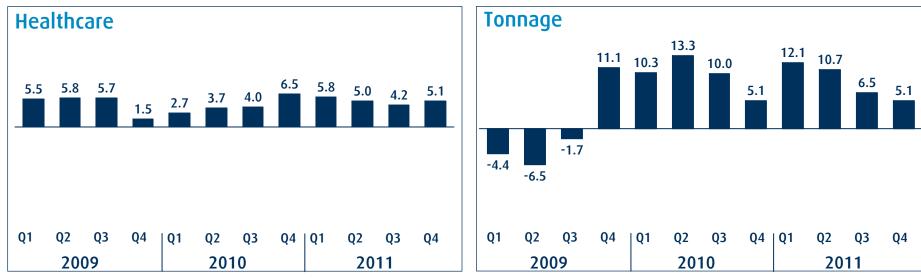
- Increased contribution from Growth Markets in 2011
- Numerous important take-or-pay contract wins in Growth Markets
- Continuous contribution from project ramp-ups

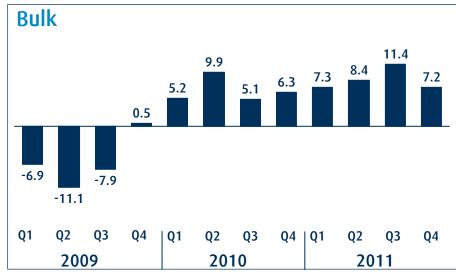
Positive performance of the merchant business

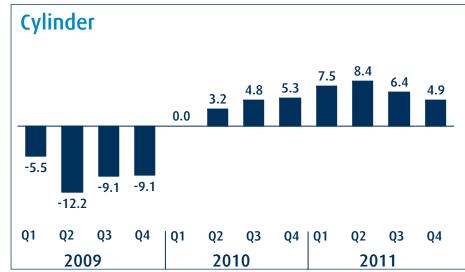
- Strong growth in Bulk supported by merchant LNG
- Recovery of late cyclical cylinder business in H1 2011

Gases Division, product areas Comparable* year-on-year growth in percent







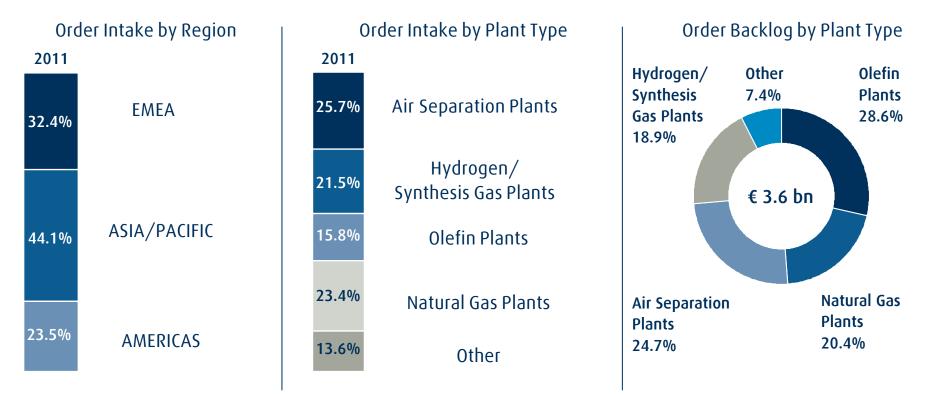


*excluding currency, natural gas price and consolidation effect

Engineering Division, key figures Order intake well balanced

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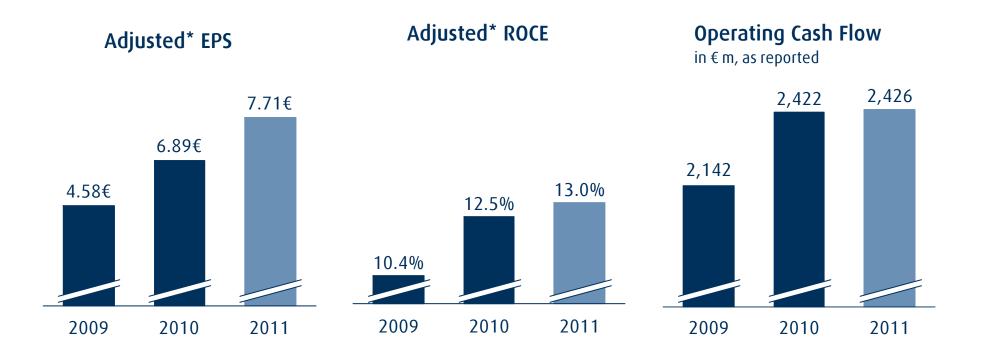
- Order intake increased by 3.5% to € 2.235 bn
- Order backlog stays strong at € 3.600 bn (year-end 2010: € 3.965 bn)
- Exceptional operating profit* margin in 2011 of 12.0%
- Operating profit margin in 2012 of at least 10% due to continuation of positive effects from successful execution of individual projects



Group Financial key indicators again on record levels

Profitable growth for our shareholders

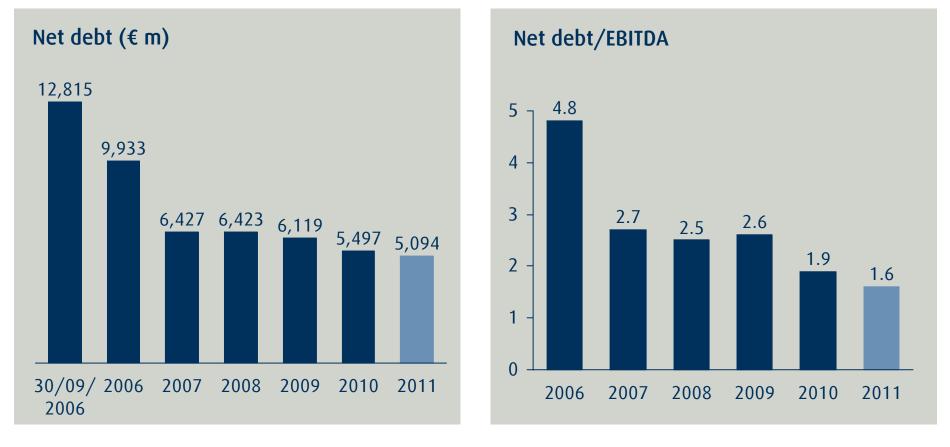
- adjusted EPS up by 11.9%
- adjusted ROCE further improved by 50 bp



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Group, solid financial position Sound financial strategy





Credit Ratings

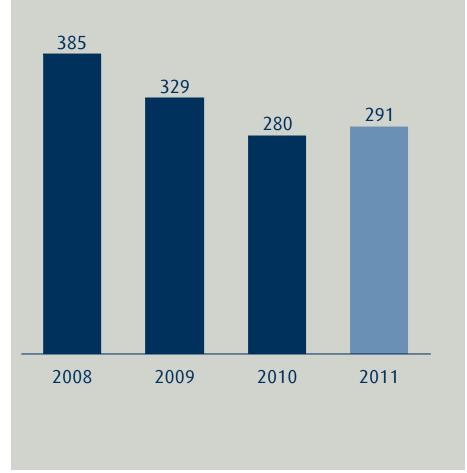
- Standard&Poor's:
- Moody's:

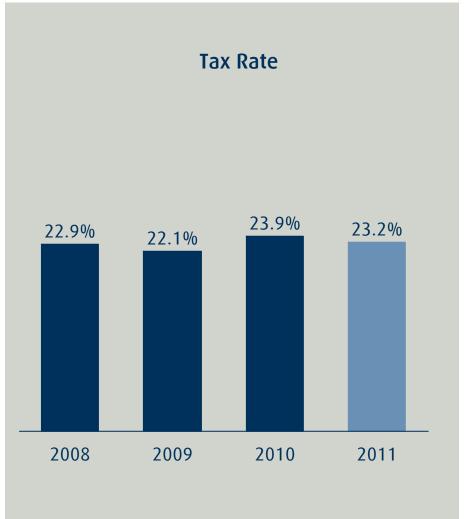
A-/A-2 with stable outlook $(27/10/2011^*)$ A3/P-2 with stable outlook $(15/03/2012^*)$

Group Financial Result and Tax Rate



Financial Result (in € million)





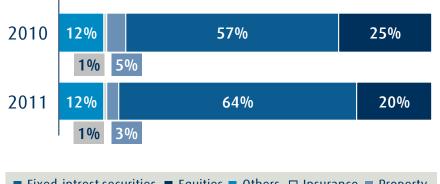
Group, Pensions Performance and key figures 2011



Net obligation

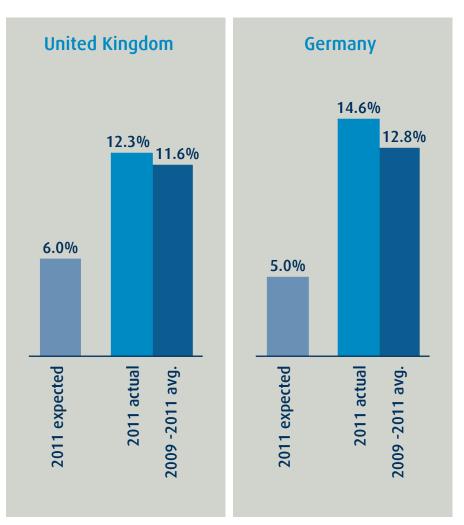
in € million	DBO	Plan asset	Net obligation
01/01/2011	4,971	4,467	504
Service costs	88		88
Net financing	253	254	-1
Actuarial losses/gains	335	153	182
Contributions/payments	-213	-13	-200
Other	-33	-19	-14
31/12/2011	5,401	4,842	559

Pension plan assets portfolio structure



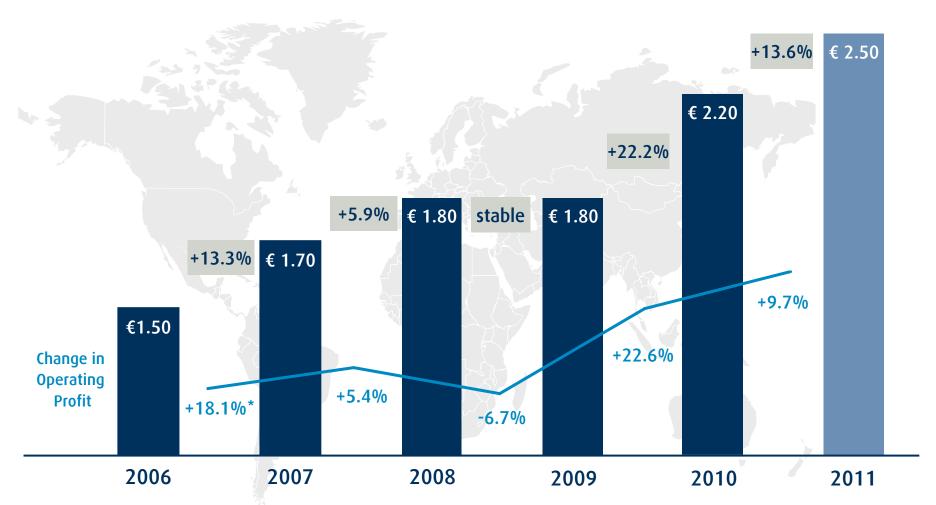
■ Fixed-intrest securities ■ Equities ■ Others □ Insurance ■ Property

Performance of major pension plans



Group, dividends Proposed dividend increased by 13.6% to € 2.50

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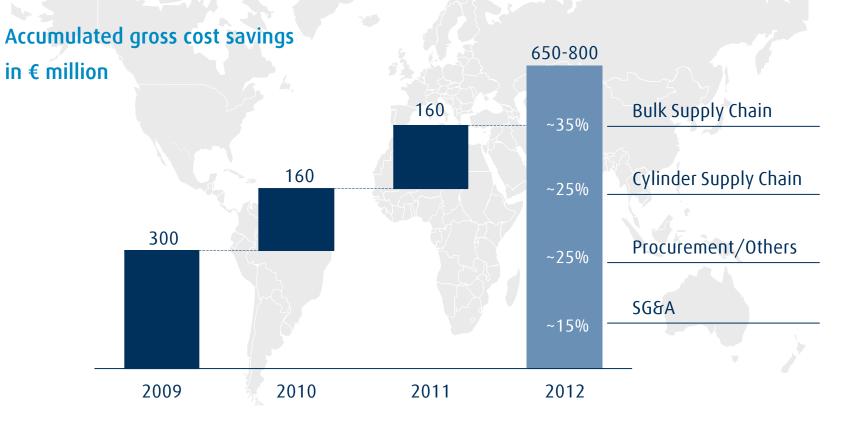


* Comparable change: prior year figures including twelve months of BOC

HPO (High Performance Organisation) Covering the full value chain in all regions

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- HPO is fully on track with savings additional savings of ~ € 160 m
- Initiatives have been launched and rolled out in all relevant areas
- Contribution expected also in 2013 ff.
- Gross cost savings increased to € 620 m



Agenda



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 - Energy / Environment
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Appendix

Mega-trends Leveraging growth with our Gas & Engineering set-up

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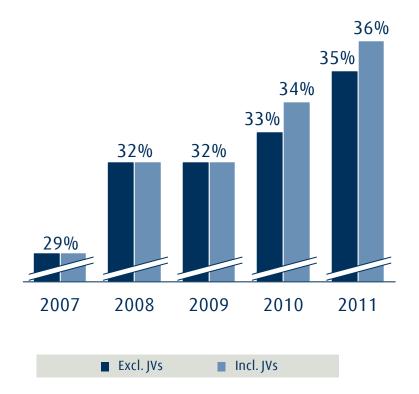


Leveraging Gases & Engineering business synergies

Mega-trend Growth Markets Strong investments in future growth

Growth Markets exposure further increased

Growth Market sales (% of Gases sales)



54% of Capex 2011 invested in Growth Markets

Gases Capex 2007 – 2011 in € bn

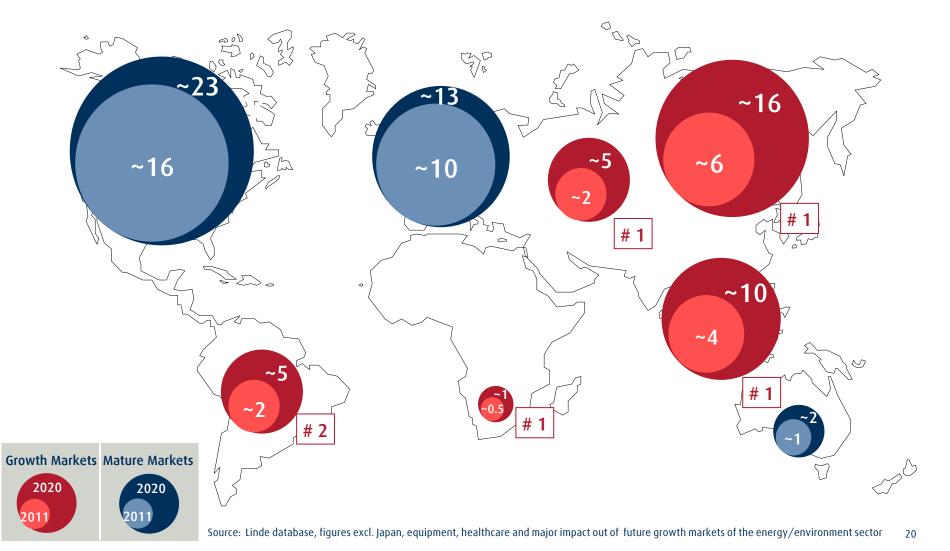
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Mega-trend Growth Markets Industrial gases market 2011 vs. 2020 in € bn

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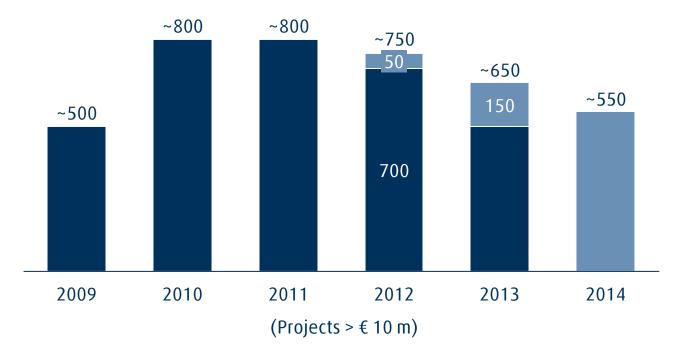
Market leader in 4 out of 5 Growth Markets



Gases Division, project pipeline Good basis for sustainable growth

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- € 4.1 bn investments between 2009-2013 (thereof € 0.6 bn in JVs @ share)
- Project amount for 2012 and 2013 further increased by around € 200 m
- 2014 project amount already at around € 550 m
- Around 70% of total project-Capex allocated to Growth Markets
- Amount of project opportunities remains with € 4.3 bn on a high level



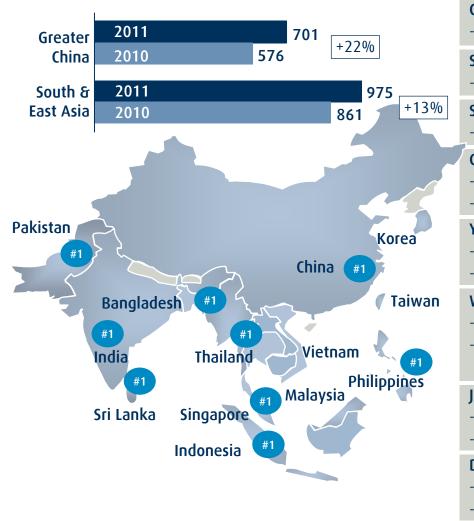
Project amount by on-stream date (incl. JVs) in € m

Mega-trend Growth Markets

Comprehensive strategy to capture growth potential in Asia



Consolidates sales in Asia in € m



Major investment commitments in 2011

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Construction of ASU in Map Ta Phut, Thailand (largest ASU)
- Investment ~ € 78 m, on-stream date 2013*
Signed contract with PT Krakatau POSCO, Indonesia (largest ASU)
- Investment ~€ 80 m, on-stream date 2013*
Second ASU in Giheung, Korea
- Investment ~€ 120 m for Samsung; largest investment in Korea
Chongqing, China (Q2/2011)
- On-site supply contracts with CCPHC and BASF
- Large scale HYCO plant: ~€ 200 m capex, on stream date 2014*
Yantai, China (Q3/2011)
- On-site supply contract with Wanhua Polyurethanes Co., Ltd.
- Two large scale ASUs: ~€ 130 m capex, on stream date 2013/2014*
Wu'an, China (Q4/2011)
- On-site supply contract with Hebei Puyang Iron and Steel Ltd.
- Decaptivation of 7 ASUs with energy efficiency upgrade and
 construction of a new ASU: ~ € 120 m capex, on stream date 2014*
Jilin, China (Q4/2011)
- On-site supply contract with Evonik Industries and Jilshen
- Hydrogen plant (SMR): ~€ 42 m capex, on stream date 2013/2014*
Dalian, China (Q1/2012):
- On-site supply contract with chemical producer Dahua Group
- Decaptivation of 2 ASUs: investment ~ € 70 m, on stream date 2014*
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Mega-trend Energy/Environment

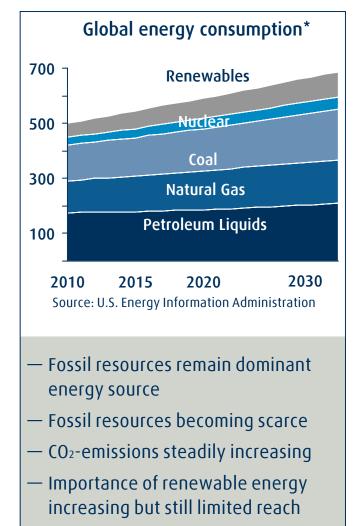
LeadIng joint capabilities & access to Energy/Environment sector



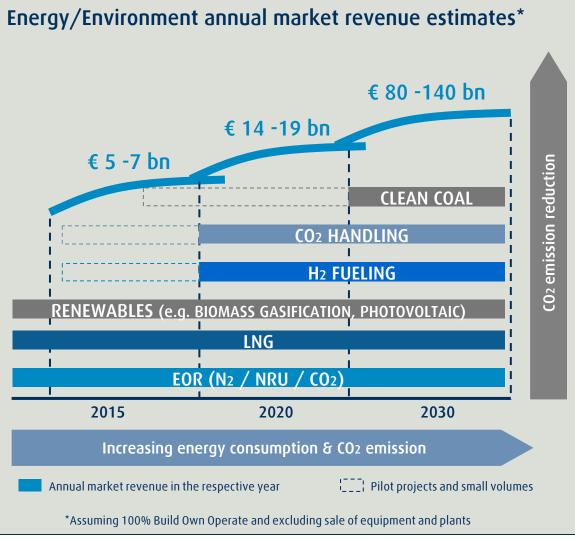
Engineering Divis	ion	Gases Division			
Mega-projects					
	Proven technolog	gy and project execution			
	Proven long-term	operations track record			
	Τe	echnology Know-How			
Energy:	LNG (Merchant/F	Floating), EOR/EGR, Coal-to-X, Gas-to-X, Bio-to-X, Geothermal			
Environment:	Environment: OxyFuel, Post-combustion CO2-capture and handling, H2-fueling				
Efficiency & Applicatio	Efficiency & Applications: Higher energy efficiency of plants, REBOX® oxy-fuel, WASTOX®				
Long-term Customer Relations					
Competitive Products and Services					
Plant Sales for captive customer		Commodity Customers with focus on price/energy efficiency (TCO) and reliability			

Mega-trend Energy/Environment Importance of new technologies & industrial gases applications

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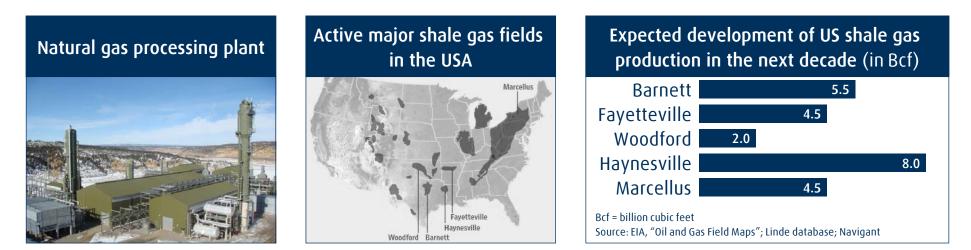
* in quadrillion British Thermal Units (equals around 10²⁷ Joules)



(Please find assumptions for estimates on page 55)

Mega-trend Energy/Environment Opportunities in shale gas business: Example US





Engineering

- Total order intake since 2010 > € 400 m
- Opportunities within the field of shale gas:
 - Natural gas processing plants: driven by the necessity of gas treatment for pipeline and bulk use
 - Small-mid-scale LNG plants: driven by increasing demand for merchant LNG
 - Ethane cracker: feasible for gas fields without petrochemical clusters

Gases

- Potential leverage of our operation experience into the area of shale gas
- Based on shale gas new chemical clusters develop with the need for industrial gases supply

Mega-trend Healthcare Market environment and drivers

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Market environment

Increasing and ageing population

Increasing wealth in Growth Markets

Healthcare budget pressure and regulation

Drivers of development

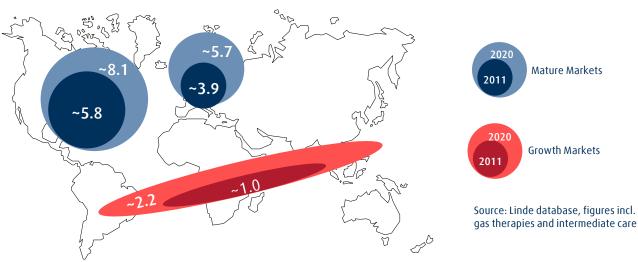
New and innovative pharmaceutical gases and services

Quality and optimum care for patients

Value creation by cost-effective and reliable products and services

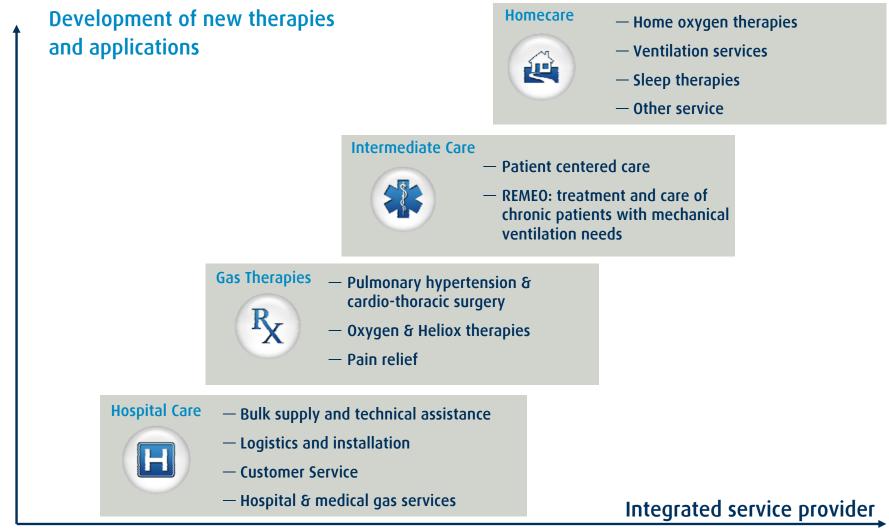
Regional expansion

Relevant Healthcare markets 2011 vs. 2020 in € bn



Mega-trend Healthcare From medical gas provider to solutions & service provider

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care center, adherence programme, technology development

Agenda

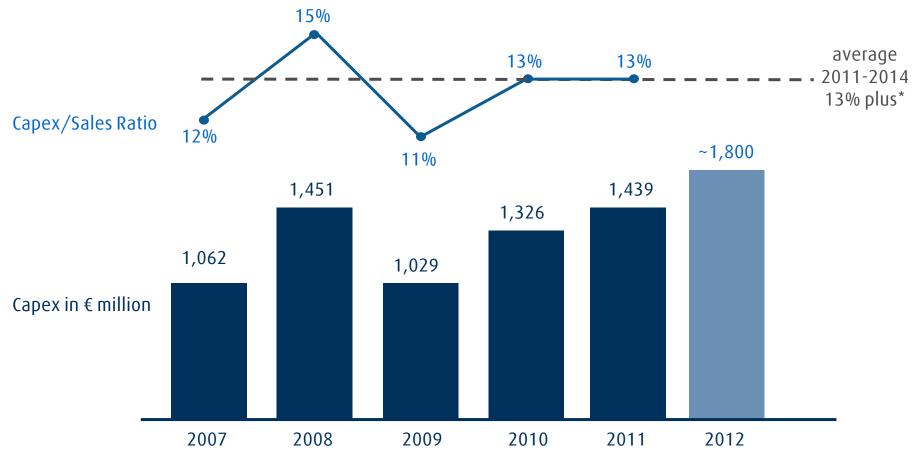
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- 1. Operational and Financial Performance
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Appendix

Gases, Capex Development Capex Sales Ratio 2007 - 2011





Data 2007-2011 @ actual average fx rates at the end of the respective year

* plus: additional potential for mega-projects

Outlook Profitable Growth.



2012	Group	 Growth in sales and operating profit vs. 2011 Confirmation of HPO-programme: € 650-800 m of gross cost savings in 2009-2012
	Gases	 Sales increase vs. 2011 Continuous improvement of productivity
	Engineering	 Sales at the same level as in 2011 Operating margin of at least 10%

2014	Group	 — Operating profit of at least € 4 bn — Adjusted* ROCE of 14% or above
	Gases	 Average capex/sales ratio 13% plus Revenue increase above market growth Further increase in productivity

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Appendix

Group, FY 2011 Key P&L items



in € million	2010	2011	Δ in %
Sales	12,868	13,787	7.1
Operating Profit	2,925	3,210	9.7
Margin	22.7%	23.3%	+60 bp
EBIT before PPA depreciation	1,933	2,152	11.3
PPA depreciation	-254	-242	-5.0
EBIT	1,679	1,910	13.8
Financial Results	-280	-291	3.9
Taxes	-335	-375	11.9
Net income	1,064	1,244	16.9
Net income – Part of shareholders Linde AG	1,005	1,174	16.8
EPS in €	5.94	6.88	15.8
Adjusted EPS in €	6.89	7.71	11.9

Group, Q4 2011 Key P&L items



in € million	Q4/2010	Q4/2011	Δin %
Sales	3,463	3,578	3.3
Operating Profit	780	847	8.6
Margin	22.5%	23.7%	+120 bp
EBIT before PPA depreciation	509	572	12.4
PPA depreciation	-63	-61	-3.2
EBIT	446	511	14.6
Financial Results	-50	-76	52.0
Taxes	-80	-94	17.5
Net income	316	341	7.9
Net income – Part of shareholders Linde AG	307	318	3.6
EPS in €	1.81	1.86	2.8
Adjusted EPS in €	2.01	2.03	1.0

Group, FY 2011 Cash Flow Statement

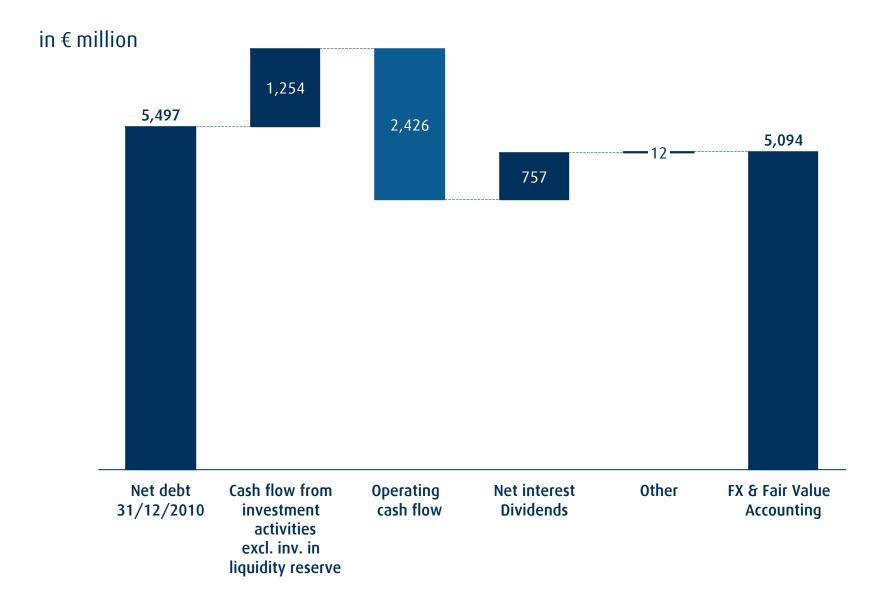


in € million	Q1 11	Q2 11	Q3 11*	Q4 11*	2011*	2010
Operating profit	761	798	804	847	3,210	2,925
Change in Working Capital	-180	6	60	39	-75	84
Other changes	-141	-267	-142	-159	-709	-587
Operating Cash Flow	440	537	722	727	2,426	2,422
Investments in tangibles/intangibles	-237	-310	-346	-452	-1,345	-1,192
Acquisitions/Financial investments	-13	-1	-41	-23	-78	-68
Other	43	33	40	53	169	195
Investment Cash Flow	-207	-278	-347	-422	-1,254	-1,065
Free Cash Flow before Financing	233	259	375	305	1,172	1,357
Interests and swaps	-45	-114	-123	-56	-338	-298
Dividends and other changes	-2	-385	-7	-11	-405	-280
Net debt increase (+)/decrease (-)	-186	240	-245	-238	-429	-779

* excluding investments in securities of \in 600 m in Q3 and \in 1,052 m in Q4

Group, solid financial position Net debt reduction of € 403 million





Group, solid financial position Early refinancing of existing financial debt

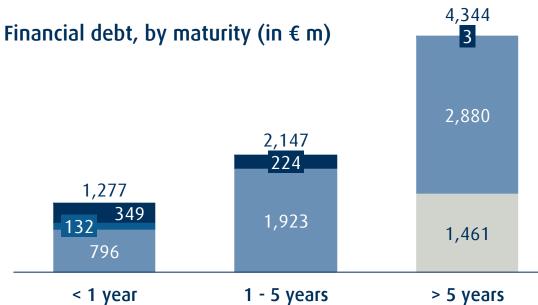
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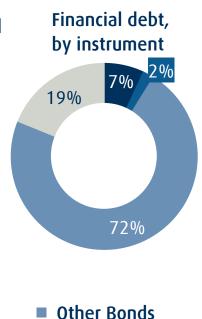
Continuous efforts to extend the Group's maturity profile

- ~€ 360 m partial bond buyback and issuance of € 600 m notes due in 2021
- Issuance of € 750 m senior notes due in 2018
- More than 80% of total financial debt is due beyond 2012
- Approx. 56% of total financial debt has a longer maturity than 5 years

Balanced mix of various financing instruments

- Strong focus on long-term bond financing
- Strategic funding in EUR, GBP, USD and AUD





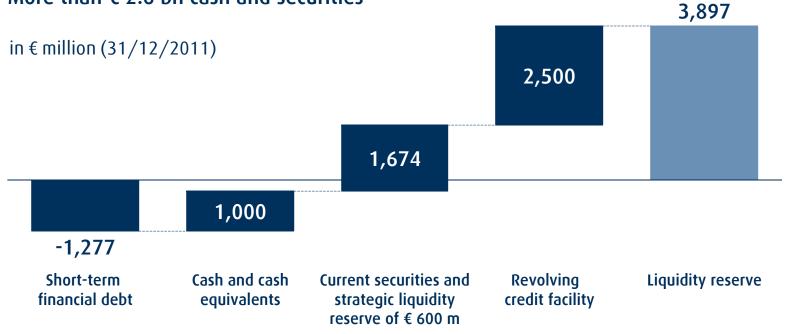
- Subordinated Bonds (*callable in 2013/2016)
- Commercial Paper
- Bank Loans

Group, solid financial position Liquidity reserve again further strengthened

€ 2.5 bn committed revolving credit facility

- Arranged in May 2010 with 25 national and international banks
- Maturing in 2015
- No financial covenants
- Fully undrawn

More than € 2.6 bn cash and securities



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Group PPA – Expected Depreciation & Amortisation

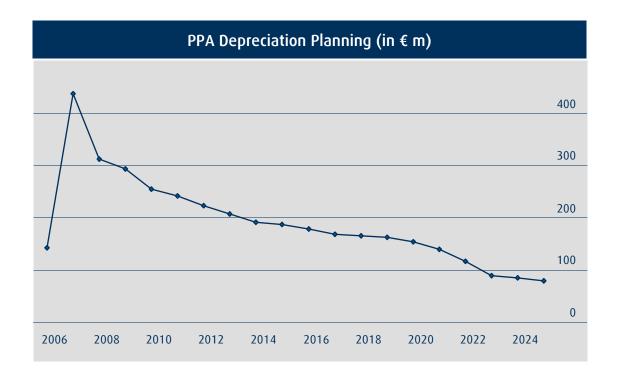
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— Development of depreciation and amortisation (in € million)

— Impact in 2011: € 242 million

Expected range

2012	> 175 - 225		
2013	> 190 - 210		
2022	< 125		

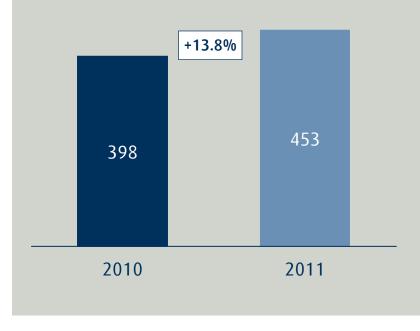


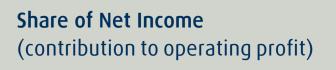
Gases Division Joint ventures

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in € million

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





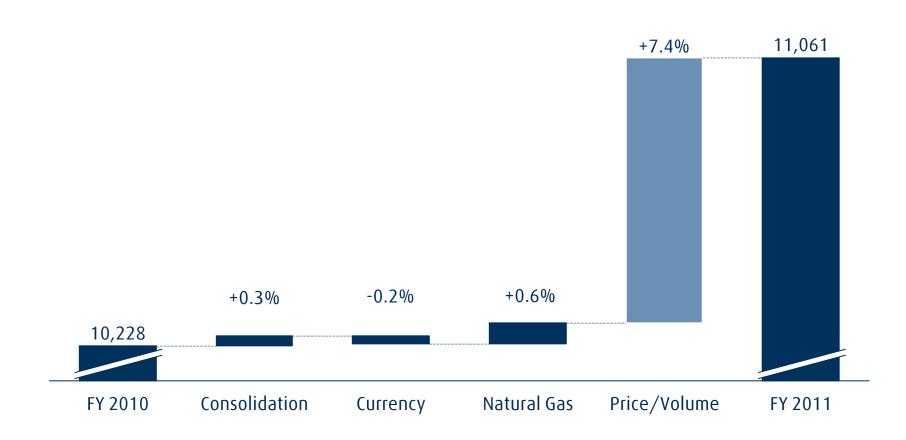


* Adjusted for local accounted joint ventures

Division Gases, sales bridge FY 2011 sales increased by 7.4% on comparable basis

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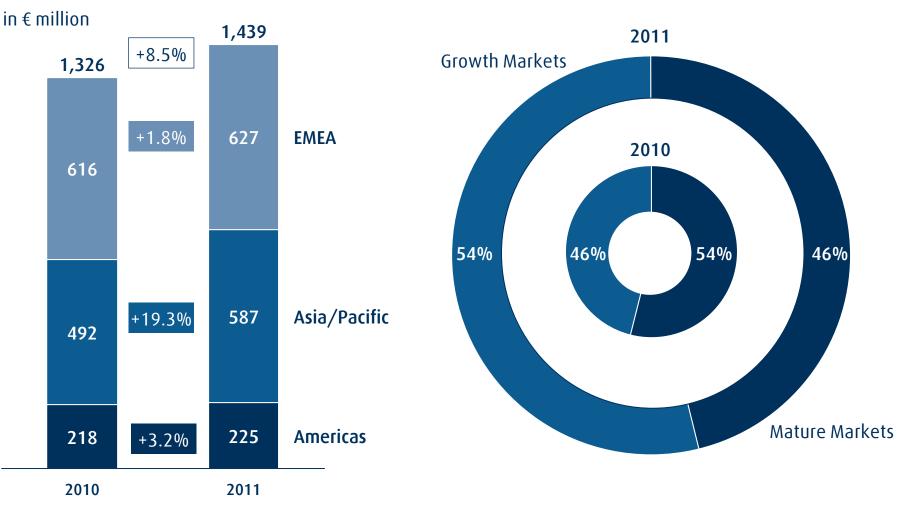
in € million



Gases Division, Split of Capex Growth Markets Capex increased to above 50 percent

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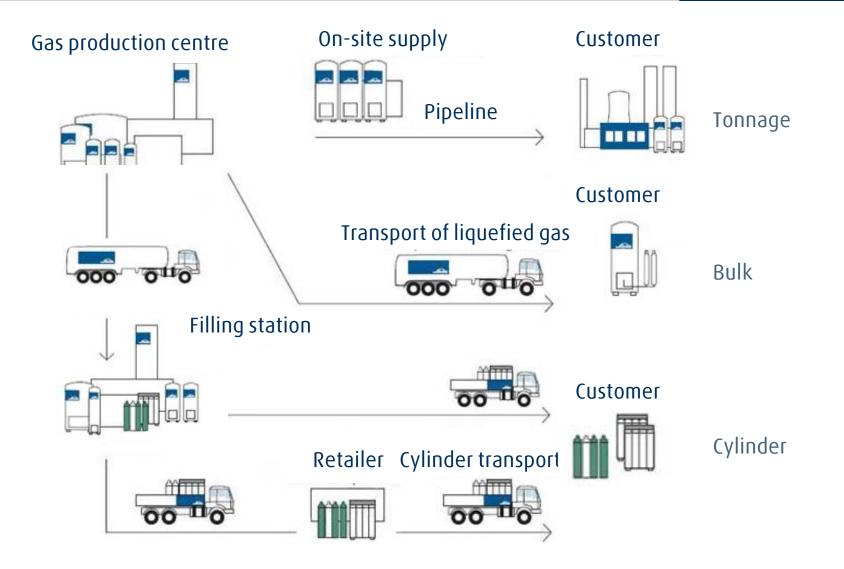
Split Capex by operating segments



Split Capex by markets

Gases Division From source to customer

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Gases Division Various distribution mix served from one product source

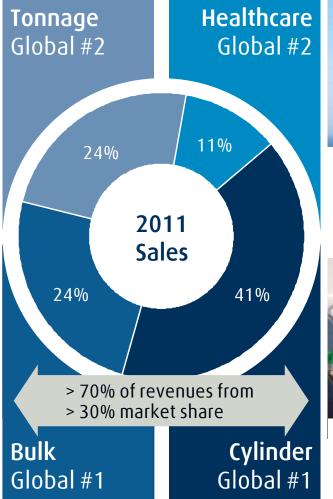
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- 15-year take-or-pay contracts (incl. base facility fees)
- Add. growth in JVs & Embedded Finance Lease projects



Multi-year contractsApplication-driven





- Hospital care & HomecareBulk & cylinder gases
- Structural growth

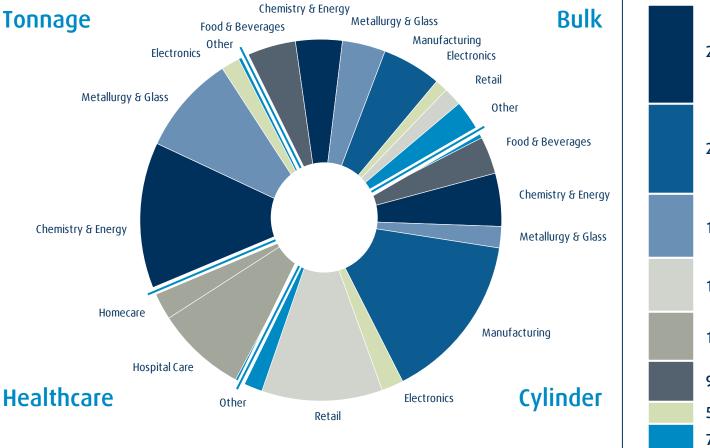


- High customer loyalty
- Includes specialty gases
- Cylinder rentals

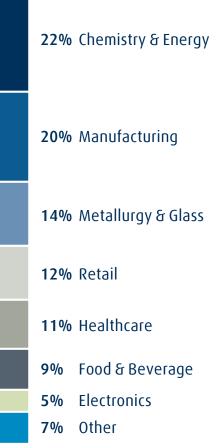
Gases Division Stability driven by a broad customer base

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2011: Split of product areas by major end-customer groups

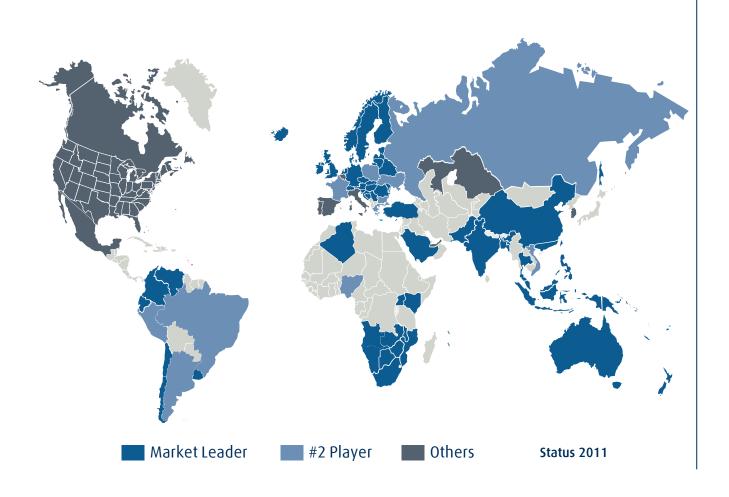


2011: Split of sales by major end-customer groups



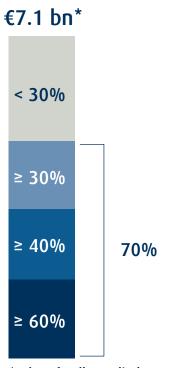
Gases Division, local business model 70% of revenues come from a leading market position

Market leader in 48 of the 75 major countries, #2 Player in another 13

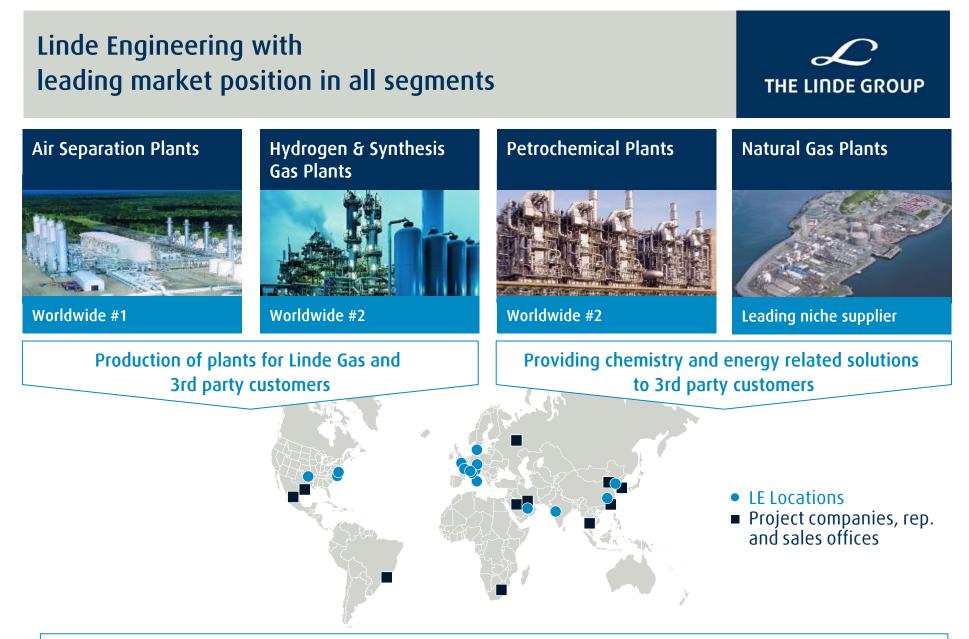


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Sales split by market share Bulk & Cylinder



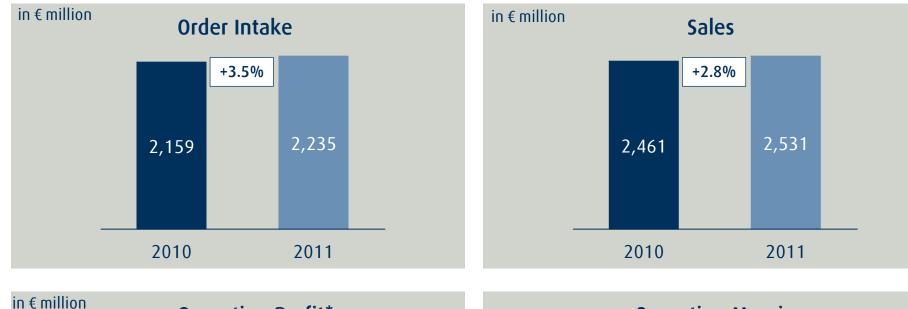
*Sales of Bulk & Cylinder FY 2011



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

Engineering Division, key figures Order intake up by 3.5%







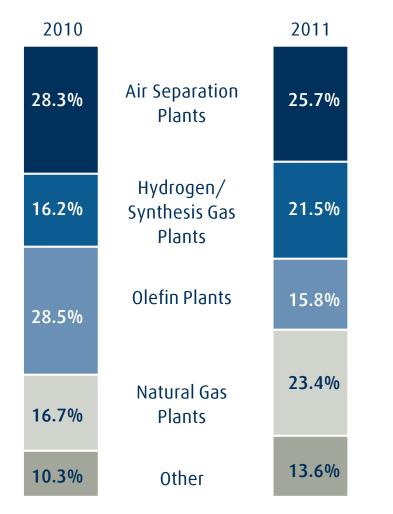


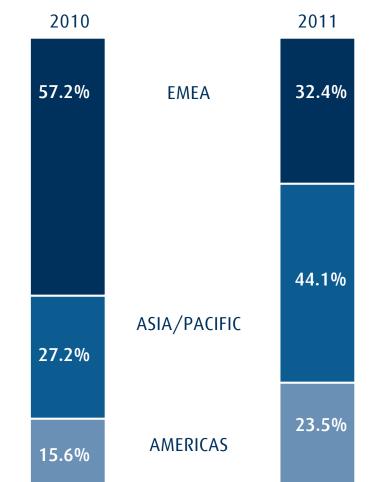
*EBITDA incl. share of net income from associates and joint ventures

Engineering Division FY 2011 order intake by plant type and region

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Order Intake by Plant Type





Order Intake by Region

Engineering Division Solid and diversified order backlog

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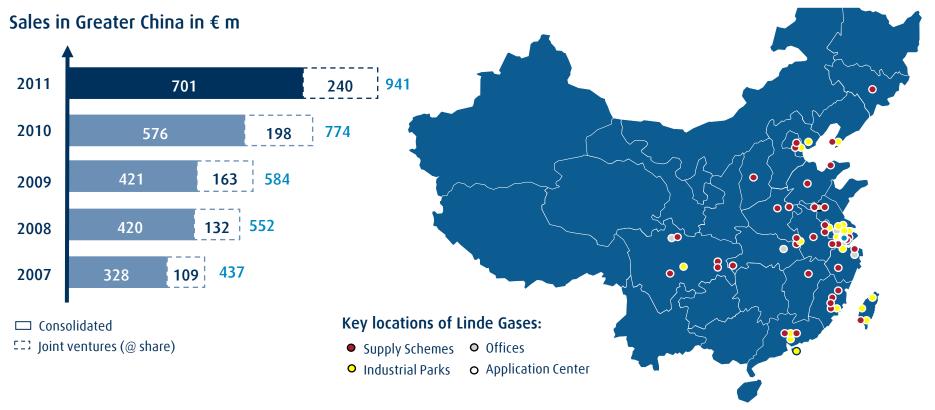
Order backlog by plant type (31/12/2011)

Other: 7.4% (2010: 4.6%) **Olefin Plants: 28.6%** Synthesis Gas Plants: 18.9% (2010: 43.5%) (2010: 14.7%) Natural Gas Plants: 20.4% Air Separation Plants: 24.7% (2010:24.7%) (2010: 12.5%)



Mega-trend Growth Markets Leading player in Greater China

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- First international gases company in China in the 1980s
- Around 4,000 employees / around 50 wholly-owned companies and JVs / around 150 operational plants
- Serving pillar industries chemical, oil & petrochemicals, metallurgy, manufacturing, electronics
- Industry-leading remote operations center, nation wide monitoring capabilities based in Shanghai

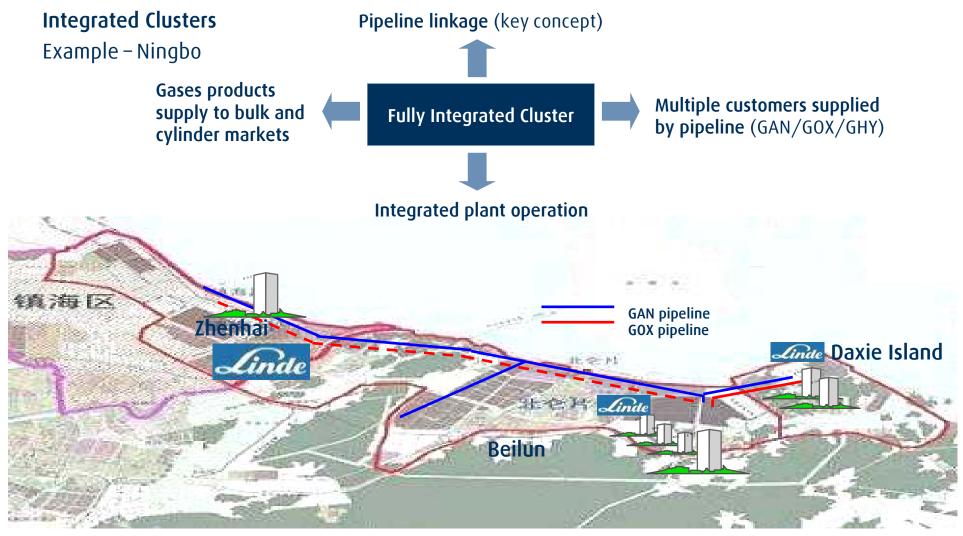
Growing with leading companies in key industries A diverse customer portfolio to match an integrated business

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Gases Division in China Integrated offer in selected industrial poles

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Clean Energy market estimation 2020 & 2030 top down



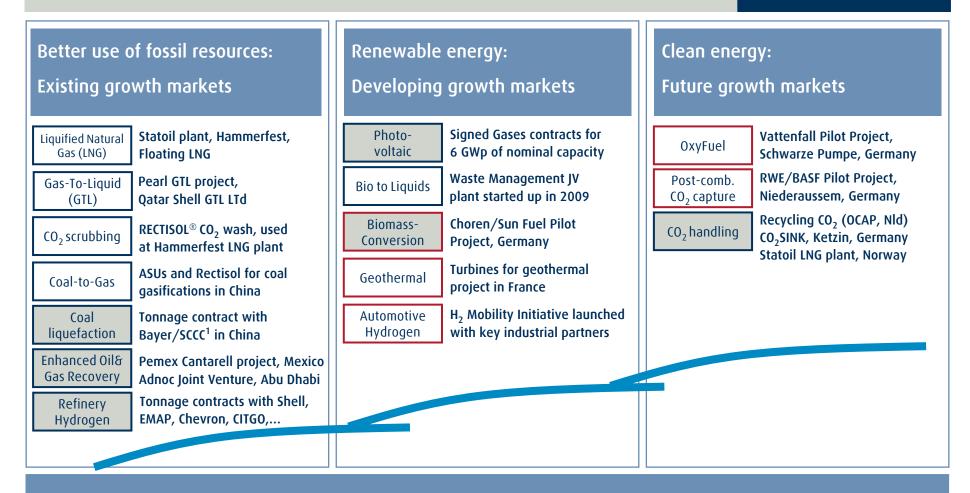
Market size in € bn	2015	2020	2030	Assumptions for 2030
Clean Coal			20 - 40	 Triple-digit number of 1 GW Carbon Capture (1.5 Gt/a CO₂ at EUR25-40/t)
CO ₂ networks	small	1	15 - 25	 Installation of significant pipeline network and corresponding compression (1.5 Gt/a handling fee CO₂ at EUR 10-15/t)
H ₂ fueling	small	1	10 - 15	 Installation of a significant fuel station infrastructure Corresponding annual H₂ consumption of some bn tons p.a.
EOR/EGR*	1.5	4 - 5	18 - 35	 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)
LNG	3 - 4	6 - 10	11 - 23	 Based on penetration rate of LNG replacing existing fuels Merchant LNG projects based on geographical set up and existing infrastructure Floating LNG projects
Renewables	1	2	3	 Includes mainly gases used for manufacturing of photovoltaic cells
Range	5 - 7	14 - 19	18-140	* Assuming 100% Build Own Operate and excluding sale of equipment and plants.

General assumptions:

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

Mega-trend Energy/Environment Current and future growth markets for Gases & Engineering

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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 Acquisition of Continental-European homecare business from Air Products*

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Main Rationale

Strategic acquisition supporting sustainable growth in the mega-trend Healthcare Step up to a strong number 2 position in the European respiratory homecare market Scaling-up our product and service offerings Enhanced competencies support continuous innovations and development of new services Increased exposure to stable healthcare business Contribution to the Group's profitable growth strategy

Key Parameters

Enterprise Value of € 590 m

Sales in the last twelve months of 09/2011 of around € 210 m in Spain, Portugal, Germany, France and Belgium Approximately 850 employees deliver quality care to around additional 260,000 patients

Financing

Transaction financed out of strategic cash reserves

* The completion of the transaction is subject to approval by the antitrust authorities, relevant works counsel consultation and fulfilment of other usual closing conditions.

Group, Definition of financial key figures

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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	Return	Operating profit - depreciation / amortisation excl. depreciation/amortization from purchase price allocation	
	Average Capital Employed	equity (incl. minorities) + financial debt + liabilities from financial leases + net pension obligations - cash, cash equivalents and securities - receivables from financial leases	
adjusted Return EPS		earnings after tax and minority interests + depreciation/amortization from purchase price allocation +/- special items	
	Shares	average outstanding shares	

Investor Relations

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Financial Calendar

- Interim Report January to March: 4 May 2012
- Annual General Meeting: 4 May 2012
- Interim Report January to June: 27 July 2012
- Interim Report January to September: 29 October 2012