



Deutsche Bank Roadshow London

Profitable Growth.

Lead**Ing.**

THE LINDE GROUP

Prof. Dr Wolfgang Reitzle - CEO 21/22 May 2012 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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Agenda



1. Operational and Financial Performance

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

Appendix



Highlights

Group sales increased by 5.4% to € 3,505 m Group operating profit* grew by 6.2% to € 808 m Group margin increased by 20 basis points to 23.1% EPS of € 1.68 (3M 2011: € 1.67**) and adjusted EPS of € 1.89 (3M 2011: € 1.88**)

Operations

Solid growth in all markets

Operating margin of the Gases Division at 27.5% (+20 bp)

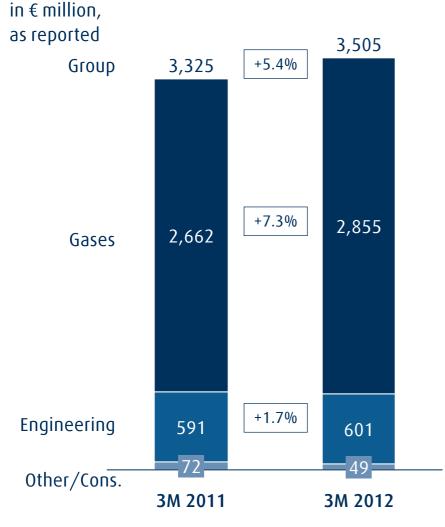
2012 Outlook reinforced

Growth in sales and operating profit vs. record year 2011 HPO: € 650-800 m of gross cost savings in 2009-2012

^{*}Operating profit defined as EBITDA incl. share of net income from associates and joint ventures **Including positive one-time effects

Group, sales by Divisions Continued growth in all areas

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Gases Division

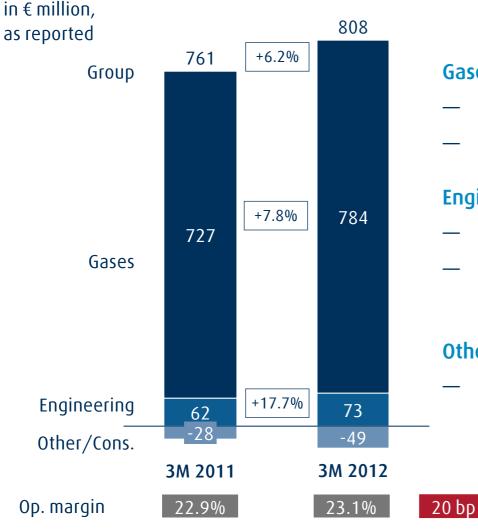
- Continued growth in all regions with comparable growth* of 4.1%
- Growth in all product areas led by Bulk

Engineering Division

- Strong order intake with more than half of the orders from Asia and Middle East
- Order backlog increased

Group, operating profit by Divisions Group margin further improved

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Gases Division

- Operating profit* further increased
- Operating margin up by 20 bp to 27.5%

Engineering Division

- Operating margin of 12.1% on high level
- Margin development driven by successful execution of individual projects

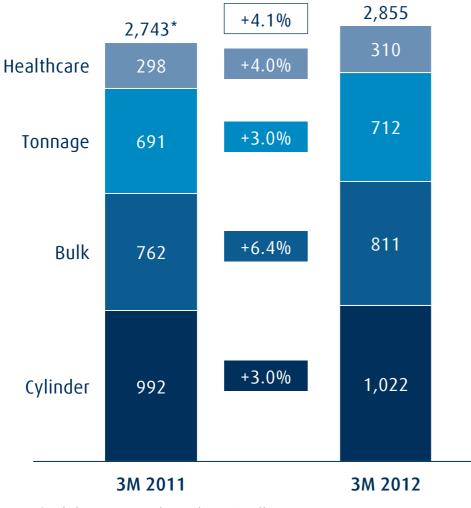
Other/Cons

 € 16 m positive one-time effect from changes made to the UK pension plan in 3M 2011

Gases Division, sales by product areas Overall strong growth of joint ventures



in € million, comparable* (consolidated)



Gases Division

Including joint ventures** comparable growth of the Gases Division 4.8%

Tonnage

Including joint ventures** comparable growth of Tonnage 5.7%

Gases Division, sales and operating profit by operating segment Growth momentum continues in all regions





*excluding currency and natural gas price effect

Engineering Division, key figures Strong performance



- Tonnage business supports high order intake
- Order backlog on solid level
- Strong operating profit* margin

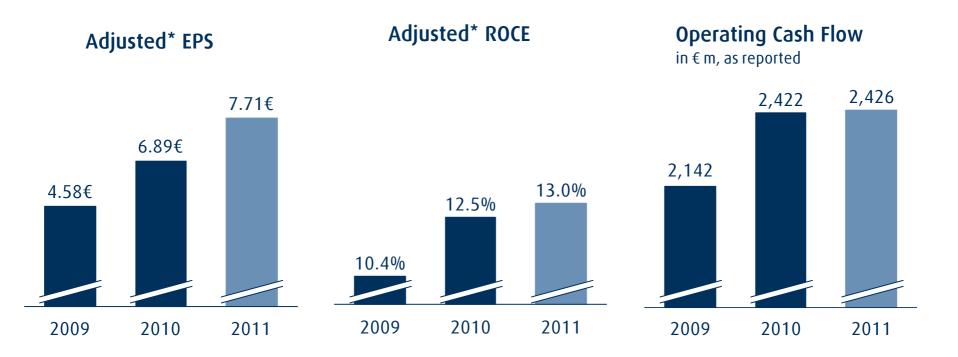


*EBITDA incl. share of net income from associates and joint ventures

Group Financial key indicators again on record levels

Profitable growth for our shareholders

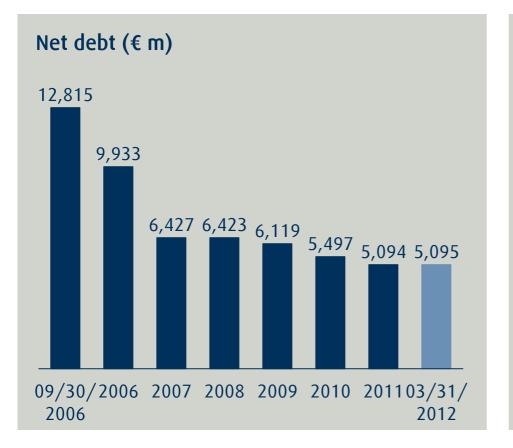
- adjusted EPS up by 11.9%
- adjusted ROCE further improved by 50 bp



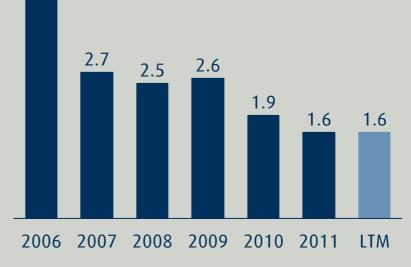


Group, solid financial position Sound financial strategy





Net debt/EBITDA 4.8



Credit Ratings

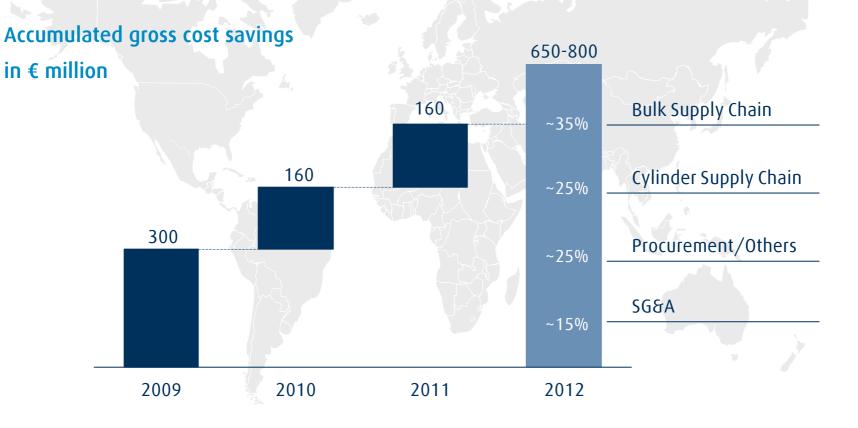
- Moody's:

Standard&Poor's: A-/A-2 with stable outlook (10/27/2011*) A3/P-2 with stable outlook $(03/15/2012^*)$

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



- HPO is fully on track with savings additional savings of ~ € 160 m in 2011
- Initiatives have been launched and rolled out in all relevant areas
- Contribution expected also in 2013 ff.
- Gross cost savings increased to € 620 m



Group, dividends Dividend increased by 13.6% to € 2.50





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

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Appendix

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





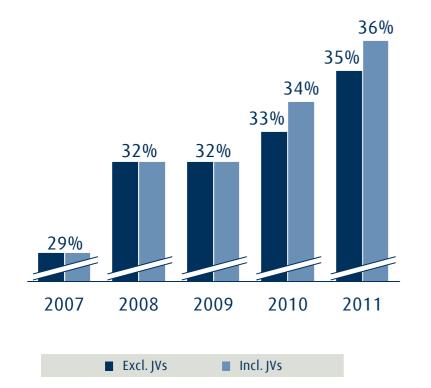
Leveraging Gases & Engineering business synergies

Mega-trend Growth Markets Strong investments in future growth



Growth Markets exposure further increased

Growth Market sales (% of Gases sales)



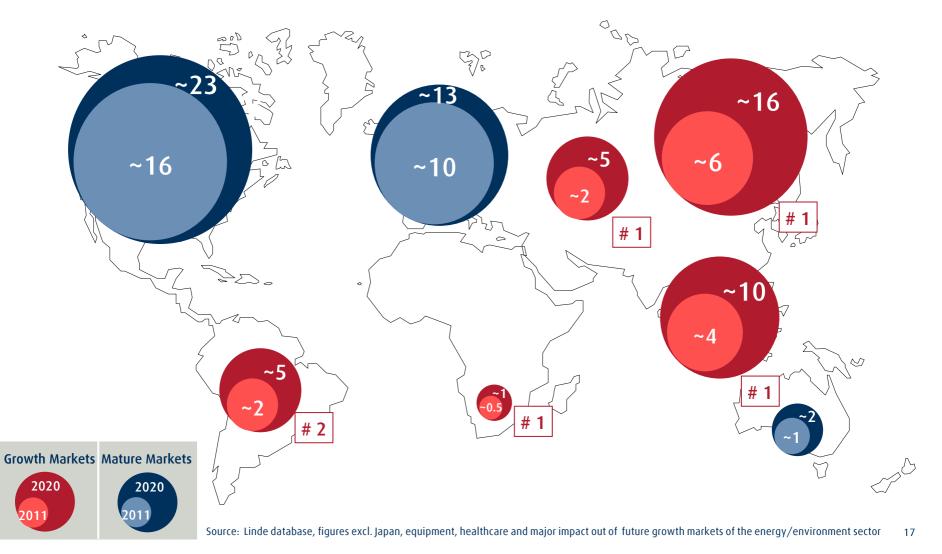
Majority of Capex 2011 invested in Growth Markets Gases Capex 2007 – 2011 in € bn



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



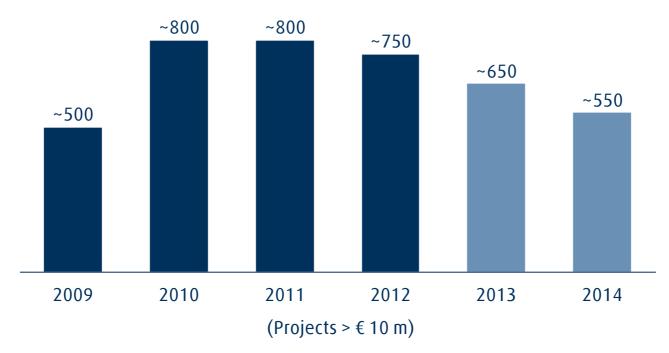
Market leader in 4 out of 5 Growth Markets



Gases Division, project pipeline Good basis for sustainable growth



- \in 4.1 bn investments between 2009-2013 (thereof \in 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





Major investment commitments in 2011

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 end of 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*

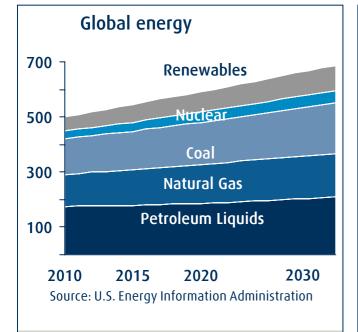
Dalian, China (Q1/2012):

- On-site supply contract with chemical producer Dahua Group
- Decaptivation of 2 ASUs: investment ~ \in 70 m, on stream date 2014*

Mega-trend Energy/Environment LeadIng joint capabilities & access to Energy/Environment sector THE LINDE GROUP **Engineering Division Gases Division Mega-projects** Proven technology and project execution Proven long-term operations track record **Technology Know-How** LNG (Merchant/Floating), EOR/EGR, Coal-to-X, Gas-to-X, Bio-to-X, Geothermal **Energy:** OxyFuel, Post-combustion CO₂-capture and handling, H₂-fueling **Environment:** Efficiency & Applications: Higher energy efficiency of plants, REBOX® oxy-fuel, WASTOX® Long-term Customer Relations **Competitive Products and Services Plant Sales Commodity Customers** for with focus on price/energy efficiency (TCO) and reliability captive customer

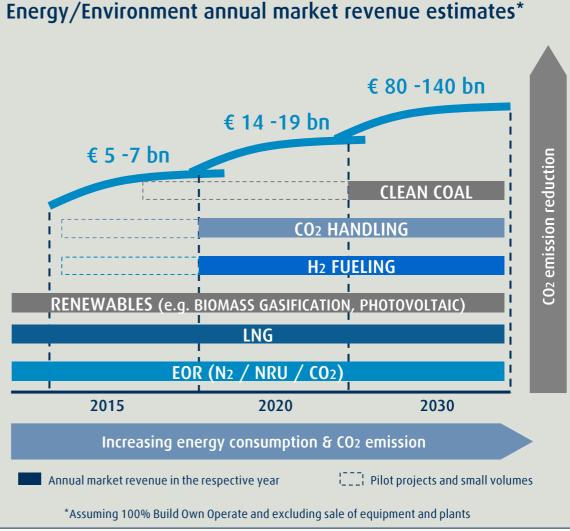
Mega-trend Energy/Environment Importance of new technologies & industrial gases applications





- Fossil resources remain dominant energy source
- Fossil resources becoming scarce
- CO₂-emissions steadily increasing
- Importance of renewable energy increasing but still limited reach

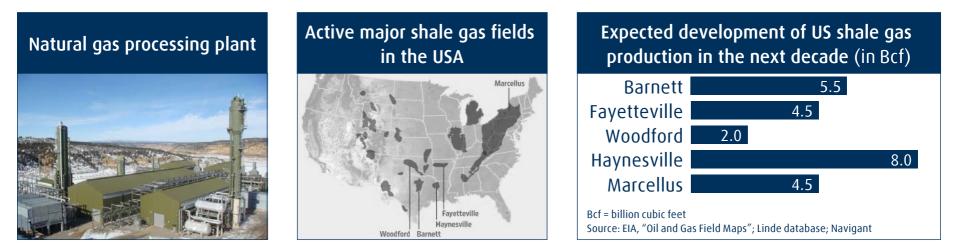
* in quadrillion British Thermal Units (equals around 10²⁷ Joules)



(Please find assumptions for estimates on page 54)

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

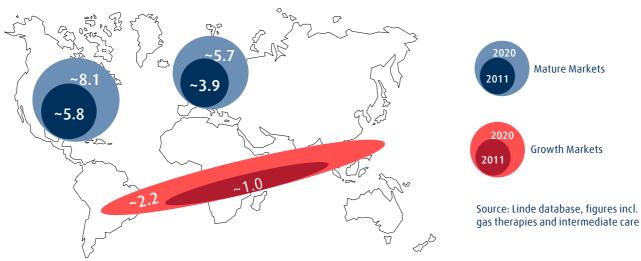
New and innovative pharmaceutical gases and services

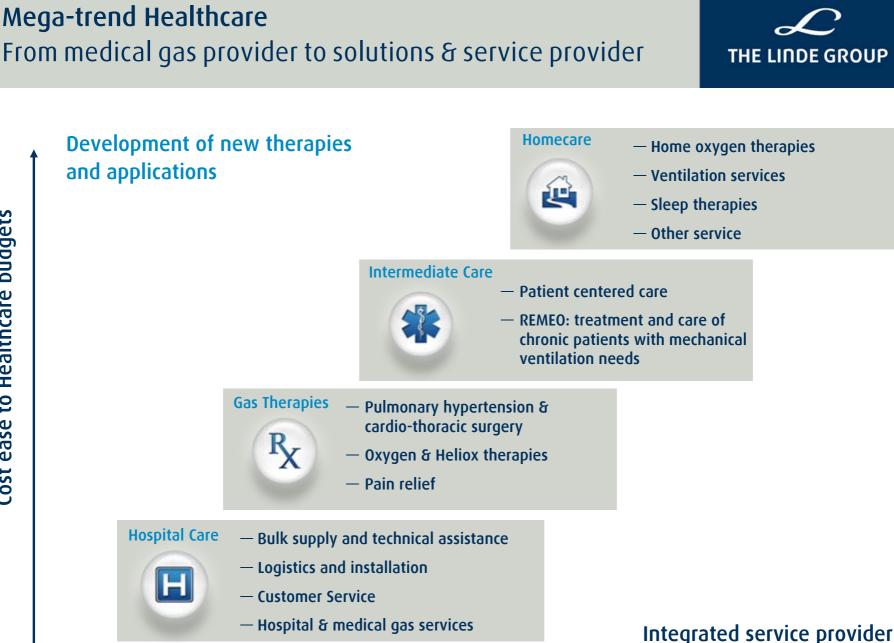
Quality and optimum care for patients

Value creation by cost-effective and reliable products and services

Regional expansion

Relevant Healthcare markets 2011 vs. 2020 in € bn





Mega-trend Healthcare Homecare: growth through innovation and regional expansion THE LINDE GROUP **EMEA AMERICAS** Linde Homecare sales ASIA/ 2011 78% 18% by operating segments PACIFIC **Ventilation Services** Home Oxygen Therapy Sleep Therapy Chronic respiratory diseases, **Obstructive Sleep Apnea**, Advanced respiratory diseases patients need mechanical patients need oxygen patients need positive air (COPD, Asthma) pressure during sleep ventilation support

Products: LOX, GOX and Concentrators Products: Positive Airway Pressure Devices, Masks **Products:** Mechanical Ventilators, Equipment

Synergies: sales & marketing, logistics, integrated patient management, care center, adherence programme, technology development

Agenda

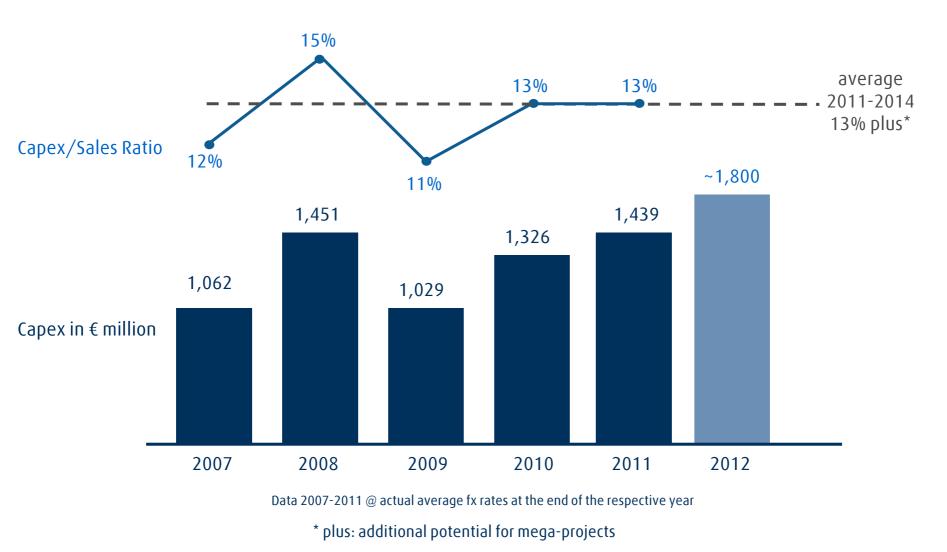


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Appendix

Gases, Capex Development Capex Sales Ratio 2007 - 2011





Outlook - confirmed 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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Group, Q1 2012 Key P&L items



in € million	Q1/2011	Q1/2012	Δ in %
Sales	3,325	3,505	5.4
Operating Profit	761*	808	6.2
Margin	22.9%	23.1%	+20 bp
EBIT before PPA depreciation	507	537	5.9
PPA depreciation	-61	-61	0.0
EBIT	446	476	6.7
Financial Results	-49**	-92	-87.8
Taxes	-94	-76	-19.1
Net income	303	308	1.7
Net income – Part of shareholders Linde AG	284	287	1.1
EPS in €	1.67	1.68	0.6
Adjusted EPS in €	1.88	1.89	0.7

*Including € 16m one-time effect from changes to the UK pension plan **Includes positive one-time effect of € 30m (repayment of BOC Edwards vendor loan)

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



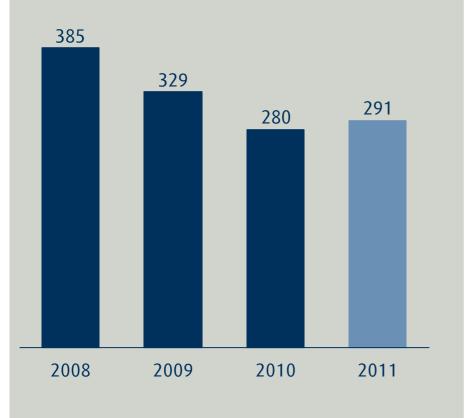
EMEA (€ m)	Q1 2011	Q2 2011	Q3 2011	Q4 2011	FY 2011
Sales	1,393	1,431	1,434	1,414	5,672
Operating profit*	395	412	408	419	1,634
Operating margin	28.4%	28.8%	28.5%	29.6%	28.8%
Asia/Pacific (€ m)	Q1 2011	Q2 2011	Q3 2011	Q4 2011	FY 2011
Sales	707	766	810	793	3,076
Operating profit*	196	210	228	238	872
Operating margin	27.7%	27.4%	28.1%	30.0%	28.3%
Americas (€ m)	Q1 2011	Q2 2011	Q3 2011	Q4 2011	FY 2011
Sales	580	593	605	606	2,384
Operating profit*	136	134	135	130	535
Operating margin	23.4%	22.6%	22.3%	21.5%	22.4%

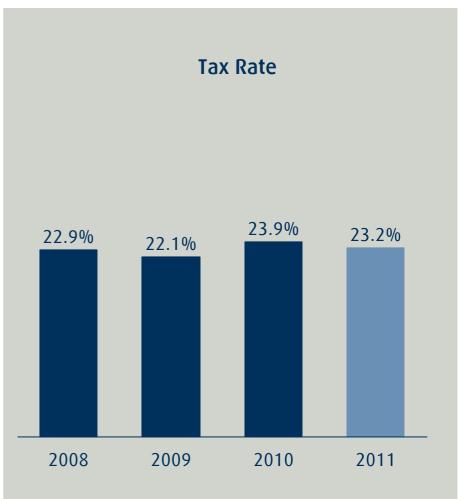
* EBITDA before non-recurring items, including share of net income from associates and joint ventures

Group Financial Result and Tax Rate



Financial Result (in € million)





Group, Q1 2012 Cash Flow Statement



in € million	Q1/2011	Q1/2012
Operating profit	761	808
Change in Working Capital	-180	-318
Other changes	-141	-105
Operating Cash Flow	440*	385**
Investments in tangibles/intangibles	-237	-321
Acquisitions/Financial investments	-13	-3
Other	43	43
Investment Cash Flow	-207	-281
Free Cash Flow before Financing	233	104
Interests and swaps	-45	-68
Dividends and other changes	-2	-33
Net debt increase (+)/decrease (-)	-186	-3

* Includes positive one-off effect of € 59 m (repayment of BOC Edwards vendor loan) ** A lower level of advance payments received from customers had an adverse impact

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 Early refinancing of existing financial debt



Continuous efforts to extend the Group's maturity profile

— ~€ 360 m partial bond buyback and issuance of € 600 m notes due in 2021

4,344

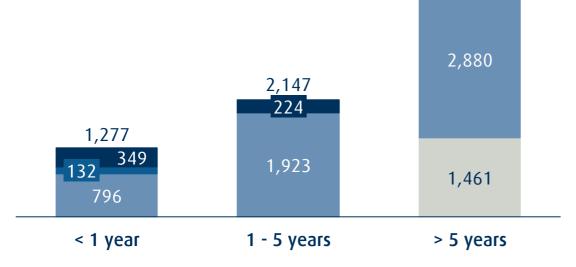
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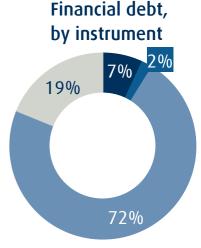
- Issuance of € 750 m senior notes due in 2018
- More than 80% of total financial debt is due beyond 2012
- Approx. 56% of total financial debt has a longer maturity than 5 years

Balanced mix of various financing instruments

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

Financial debt, by maturity (in € m)



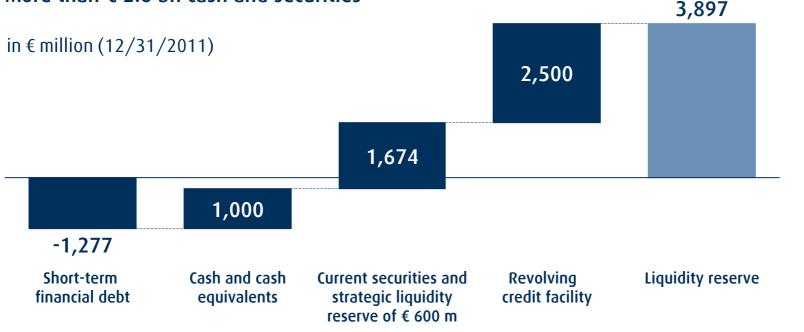


- Other Bonds
- Subordinated Bonds (*callable in 2013/2016)
- Commercial Paper
- Bank Loans

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

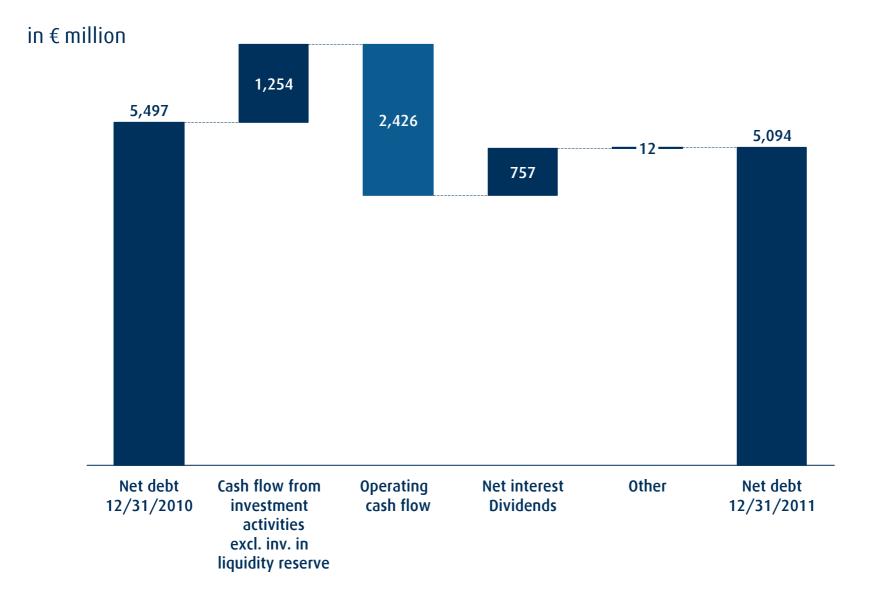
More than € 2.6 bn cash and securities





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





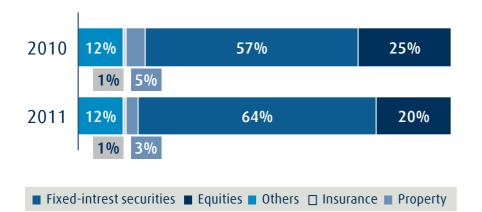
Group, Pensions Performance and key figures 2011



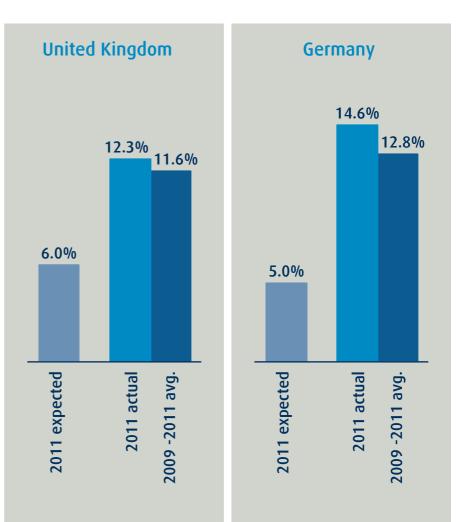
Net obligation

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
12/31/2011	5,401	4,842	559

Pension plan assets portfolio structure



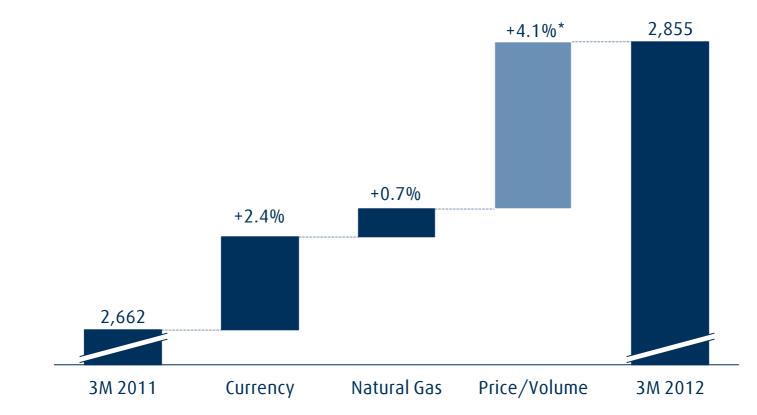
Performance of major pension plans



Gases Division, sales bridge Q1 2012 sales increased by 4.1% on comparable basis



in € million



Gases Division Joint ventures



in € million

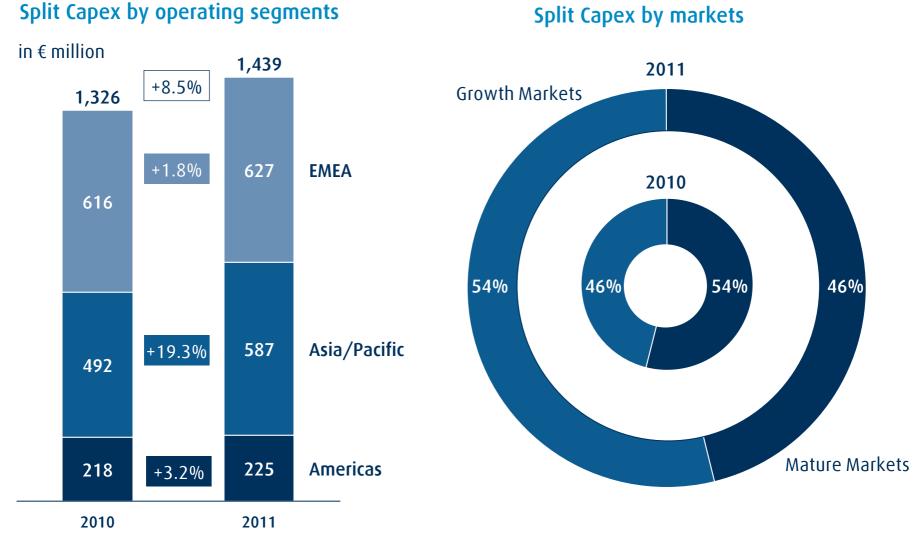
Proportionate Sales (not incl. in the Group top-line) +22.0% 122 100 3M 2011 3M 2012

Share of Net Income (contribution to operating profit)



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

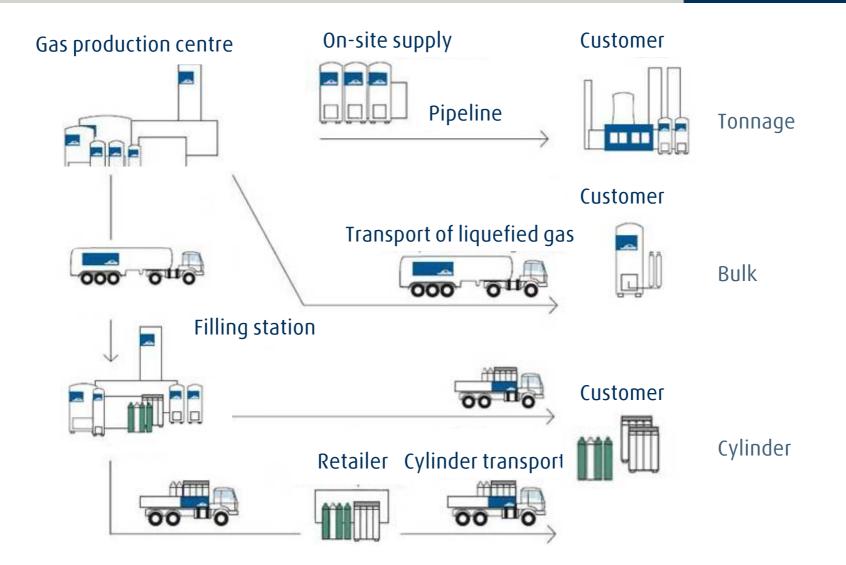




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Gases Division From source to customer





Gases Division Various distribution mix served from one product source

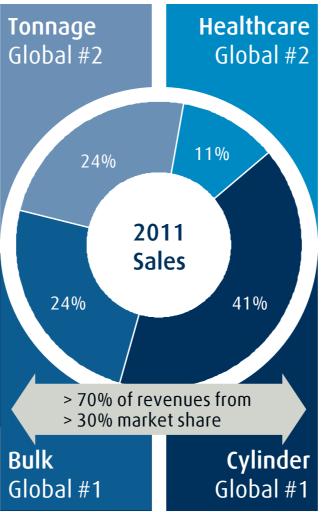




- 15-year take-or-pay contracts (incl. base facility fees)
- Add. growth in JVs & Embedded Finance Lease projects



- Multi-year contracts
- Application-driven





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

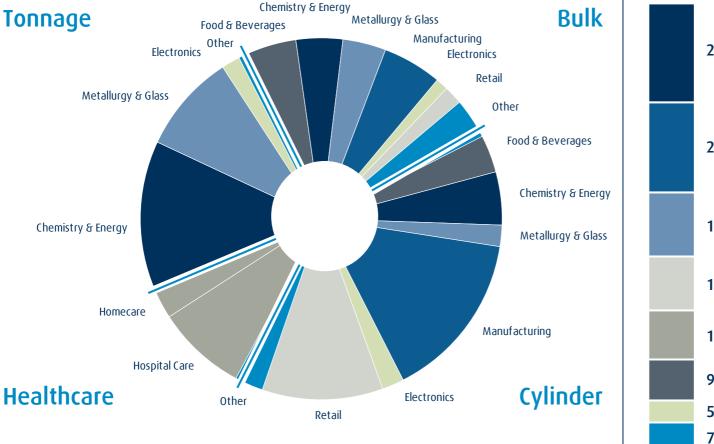


- High customer loyalty
- Includes specialty gases
- Cylinder rentals

Gases Division Stability driven by a broad customer base



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



2011: Split of sales by major end-customer groups

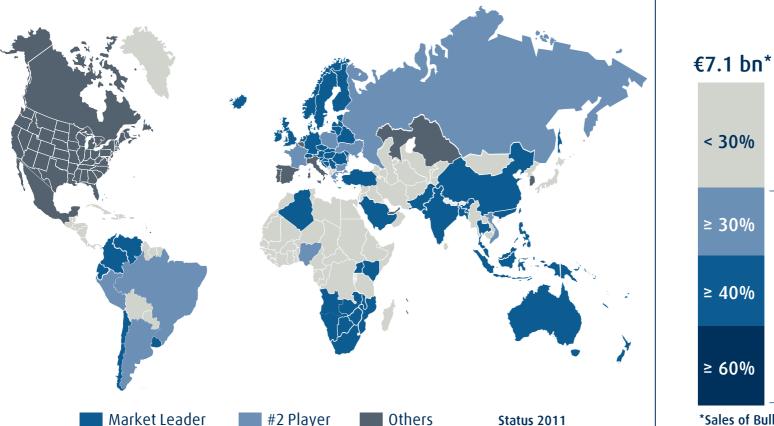






Market leader in 48 of the 75 major countries, #2 Player in another 13



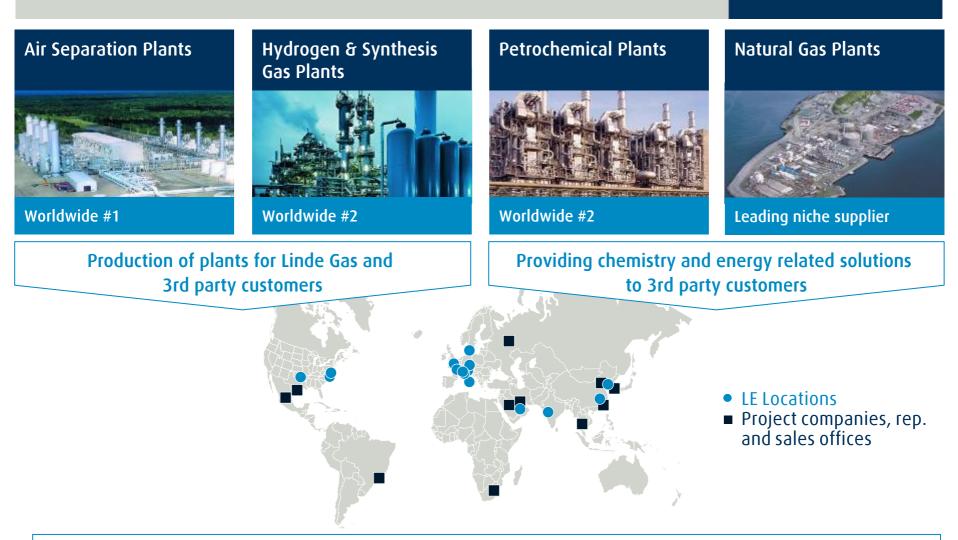


≥ 40% 70%

*Sales of Bulk & Cylinder FY 2011

Linde Engineering with leading market position in all segments





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

Engineering Division, key figures Order intake up by 3.5%



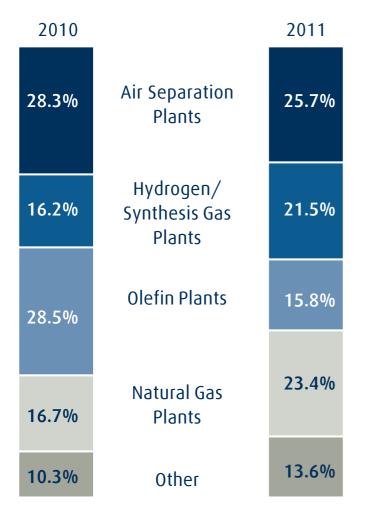


*EBITDA incl. share of net income from associates and joint ventures

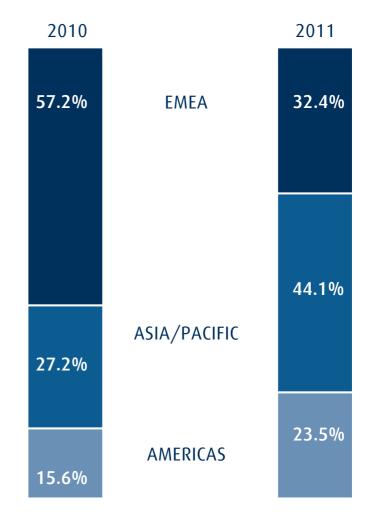
Engineering Division FY 2011 order intake by plant type and region



Order Intake by Plant Type



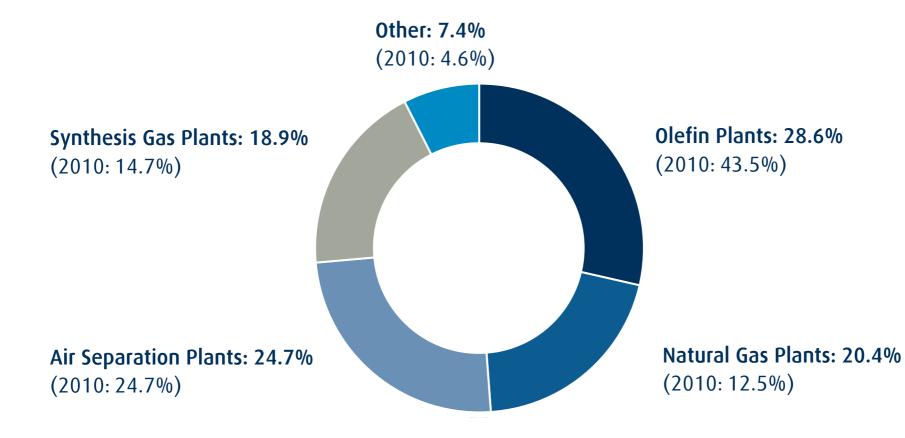
Order Intake by Region



Engineering Division Solid and diversified order backlog

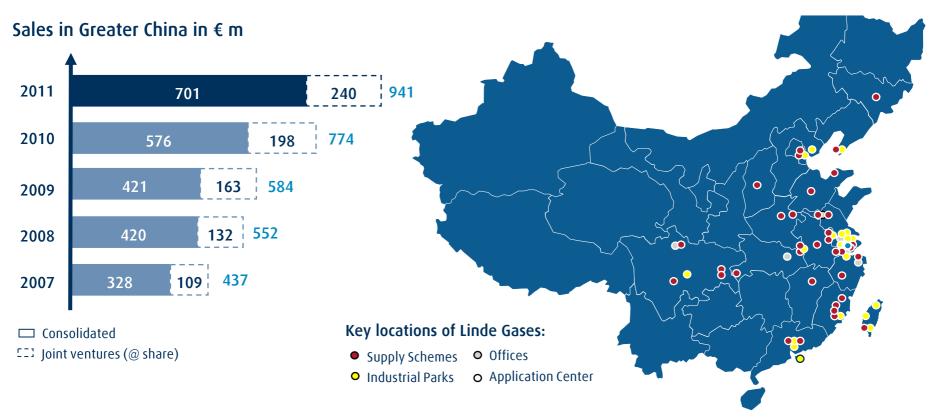


Order backlog by plant type (31/12/2011)



Mega-trend Growth Markets LeadIng player in Greater China





- 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

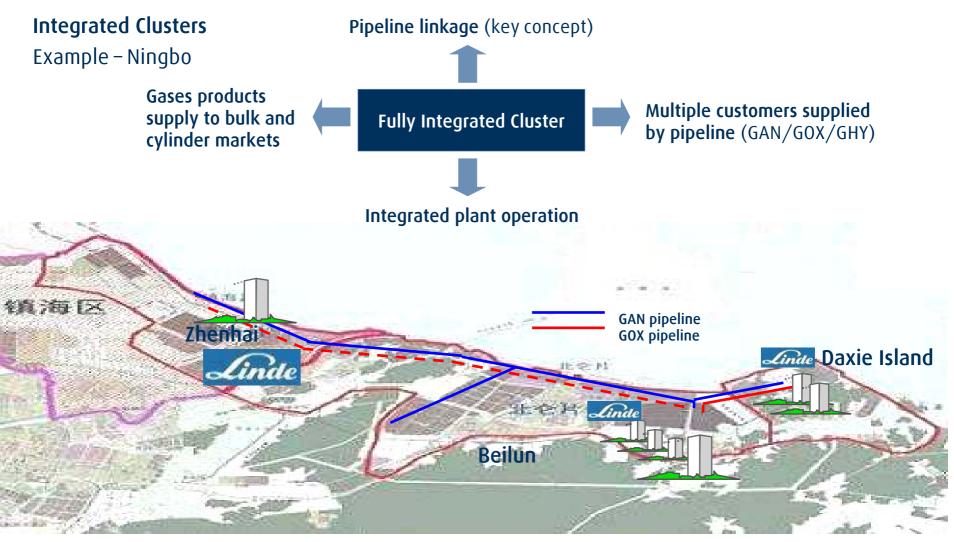
Growing with leading companies in key industries A diverse customer portfolio to match an integrated business





Gases Division in China Integrated offer in selected industrial poles





Clean Energy market estimation 2020 & 2030 top down



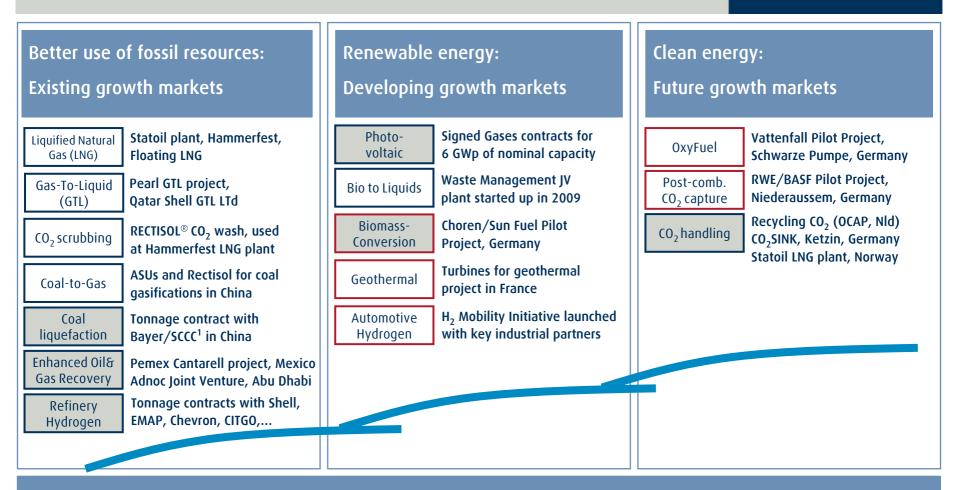
Market size in € bn	2015	2020	2030	Assumptions for 2030
Clean Coal			20 - 40	 Triple-digit number of 1 GW Carbon Capture (1.5 Gt/a CO₂ at EUR25-40/t)
CO ₂ networks	small	1	15 - 25	 Installation of significant pipeline network and corresponding compression (1.5 Gt/a handling fee CO₂ at EUR 10-15/t)
H 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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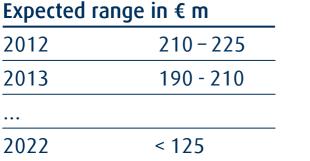


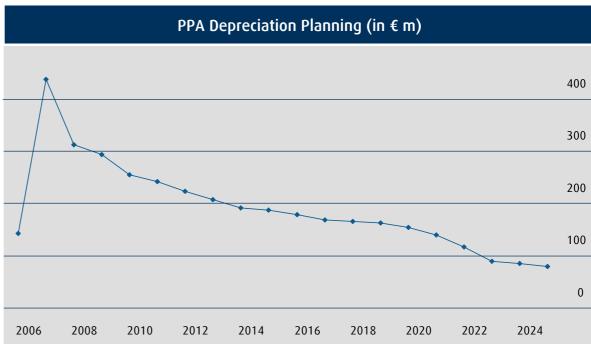
Higher efficiency in energy use: Sustained growth in traditional end markets REBOX® oxy-fuel (steel), WASTOX® (aluminium), Oxygen burner (glass), Water Treatment, ...

¹ Shanghai Cooking & Chemical Corporation

Group PPA – Expected Depreciation & Amortisation

- Development of depreciation and amortisation
- Impact in Q1 2012: € 61 million







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	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 June: 27 July 2012
- Interim Report January to September: 29 October 2012
- Next Annual General Meeting: 29 May 2013