





Roadshow Edinburgh

Continuously Improving.

Lead**Ing.**



7 Oktober 2011 Georg Denoke CFO and Member of the Executive Board

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Agenda



- 1. Operational and Financial Performance
- 2. Strategic Focus:
 - Growth Markets
 - Energy / Environment
 - Healthcare
- 3. Outlook

Highlights - 6M 2011



Continuously Improving.

Ongoing growth momentum drives Group sales up 11.0% to 0.774 m Group operating profit grows over-proportionately by 11.7% to 1.7% to 1.7

Solid growth in all regions

Growth Markets continue their strong momentum

Accelerated growth in mature regions

Operating margin of the Gases Division at 27.3% (+20 bp)

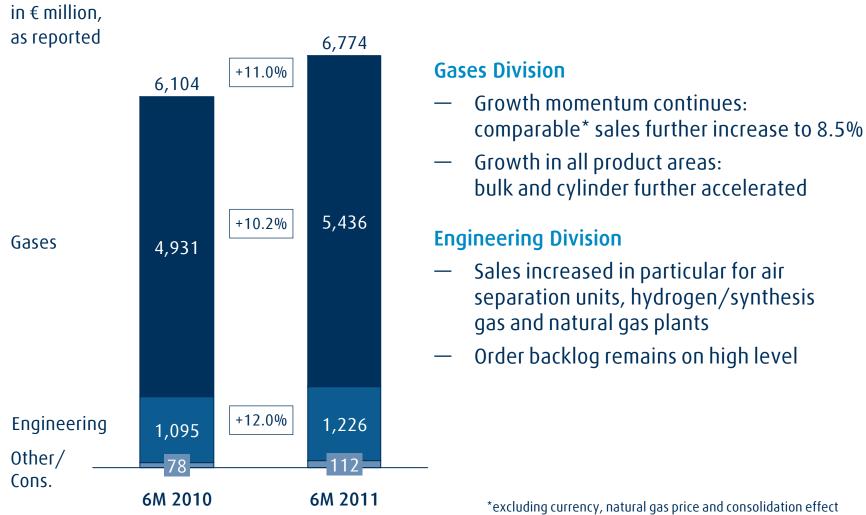
2011 Outlook reinforced

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



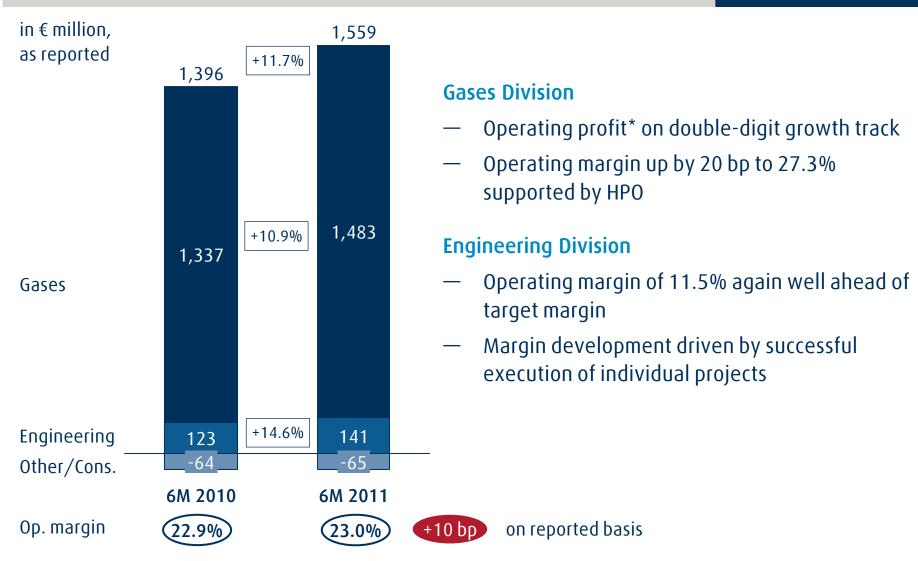




^{*}excluding currency, natural gas price and consolidation effect

Group, operating profit by DivisionsGroup margin of 23.0%





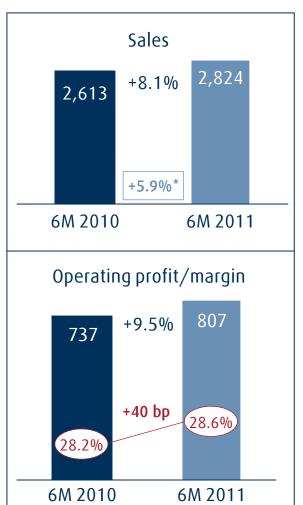
^{*}EBITDA incl. share of net income from associates and joint ventures

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



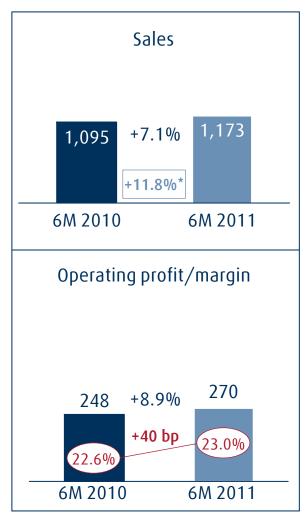
in € million

EMEA ASIA/PACIFIC





AMERICAS

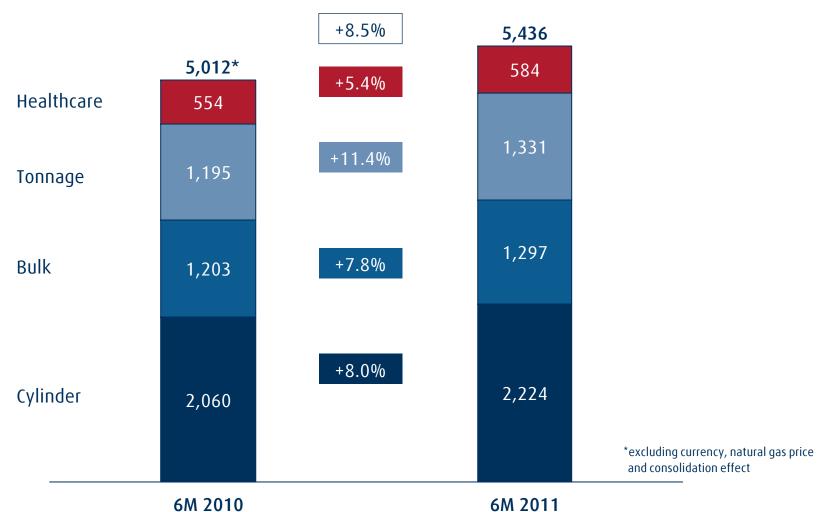


^{*}excluding currency, natural gas price and consolidation effect

Gases Division, sales by product areas Growth accelerated in Cylinder and Bulk

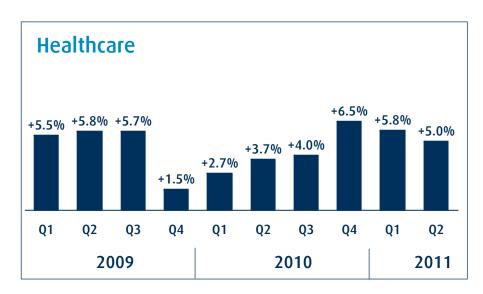


in € million, comparable*, consolidated



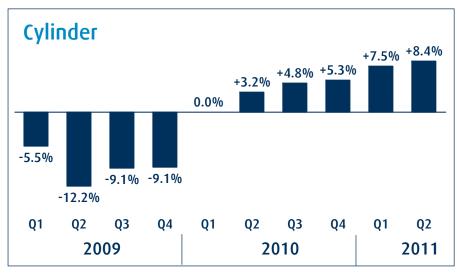
Gases Division, product areas (comparable yoy growth) Cylinder business continues to grow











Engineering Division, key figuresOrder intake up by 19.4%



- Order intake mainly driven by Asia/Pacific and air separation units
- Order backlog stays strong at € 3,763 bn (year-end 2010: € 3,965 bn)
- As a result of very successful execution of individual projects the margin expectation for 2011 is at least 10%

in € million	6M 10	6M 11	Δ ΥοΥ
Order intake	962	1,149	+19.4%
Sales	1,095	1,226	+12.0%
Operating profit*	123	141	+14.6%
Margin	11.2%	11.5%	+30 bp

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

Financial key indicators at record levels



Further improvement in all our three key financial indicators

— Profitable growth for our shareholders: adjusted EPS and adjusted ROCE

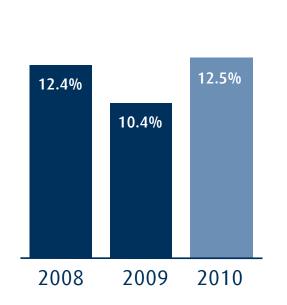
Adjusted ROCE

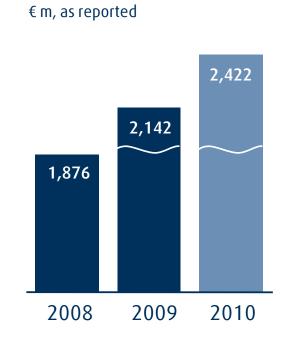
— Strong cash flow generation further improved: OCF up by 13.1%

Adjusted EPS €6.89 €5.46 €4.58 2008

2009

2010





Operating Cash Flow

Group, solid financial position

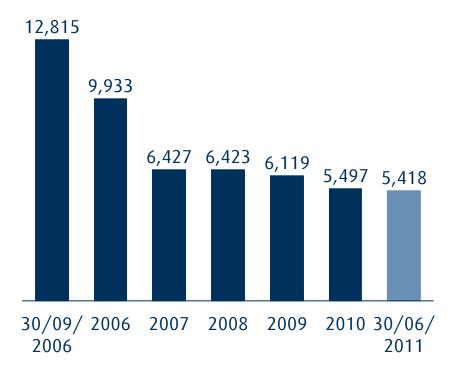
Net debt/EBITDA-ratio of 1.8x



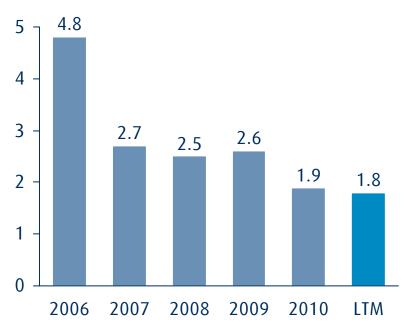
Proactive liability management

- Ratings: S&P and Moody's A- and A3 respectively, both with stable outlook
- Rationale: Extension of the maturity profile and increase of the liquidity reserve
- ~€ 360 m partial buyback of € 1.3 bn bonds maturing in 2012 and 2013
- Issuance of € 600 m 3.875 % bond maturing in 2021

Net debt in € bn



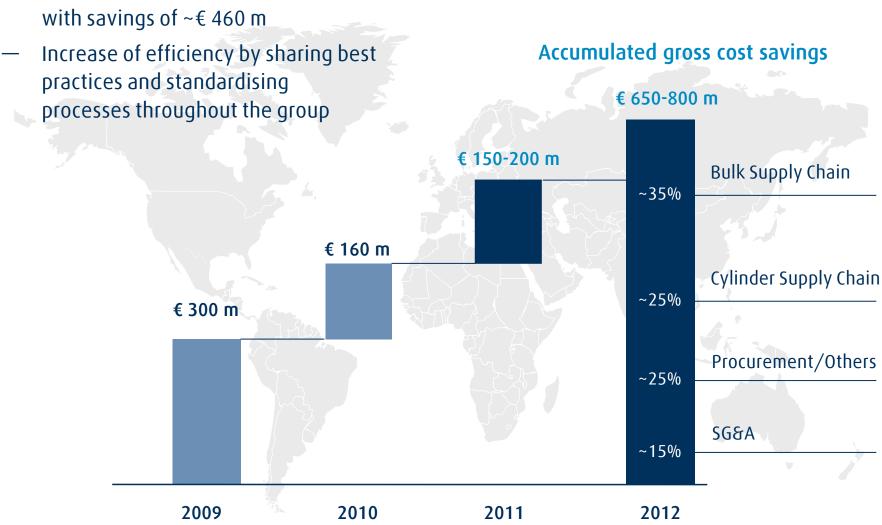
Net debt/EBITDA



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



Successful start and continuation with savings of ~€ 460 m



Group, dividendsDividend increased by 22.2% to € 2.20



Consistent dividend policy



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

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Appendix

Mega-trends

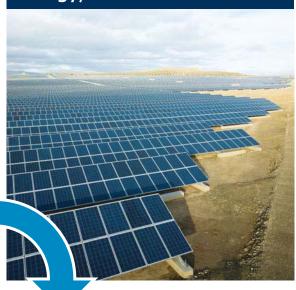
Leveraging growth with our Gas & Engineering set-up



Growth Markets



Energy/Environment



Healthcare



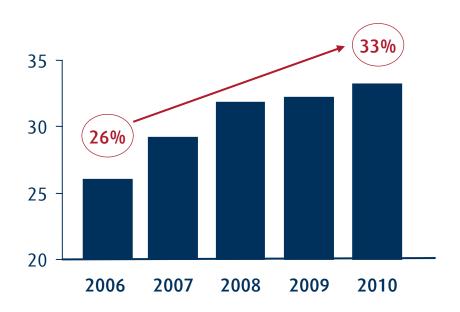
Leveraging Gases & Engineering business synergies

Mega-trend Growth Markets Growth trend leveraged by strong investment decisions



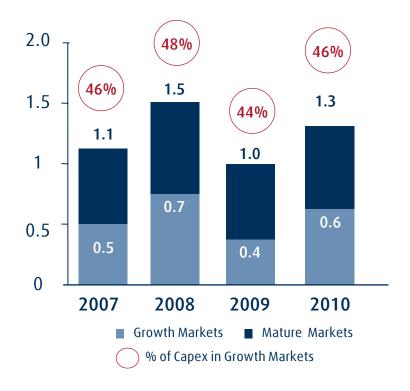
Growth market sales, excl. JVs

(% of total Gases sales)



Further increasing footprint in Growth Markets

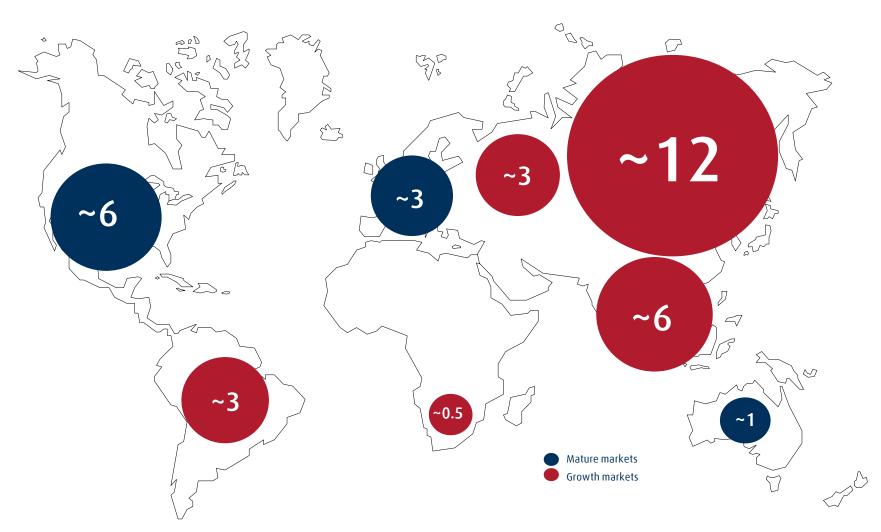
Gases Capex 2007 – 2010 in € bn



Nearly half of Capex allocated to Growth Markets

Mega-trend Growth Markets Additional industrial gases market 2010 vs. 2020 in € bn

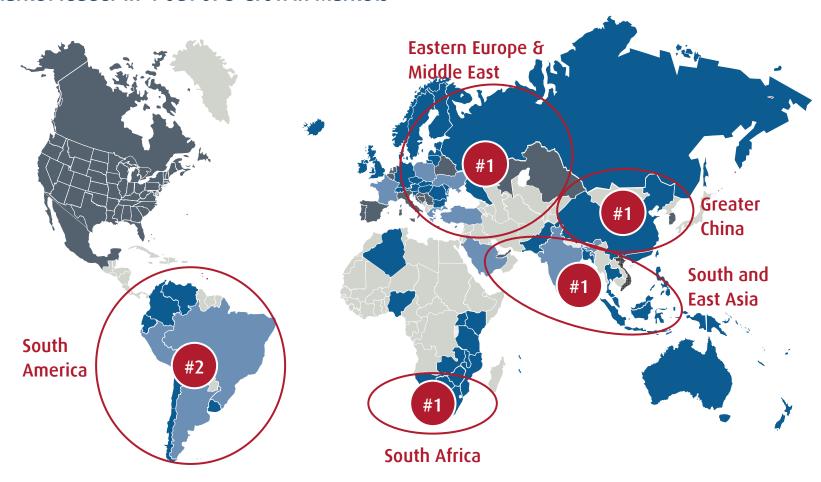




Mega-trend Growth Markets LeadIng Gases set-up in local growth markets



Market leader in 4 out of 5 Growth Markets

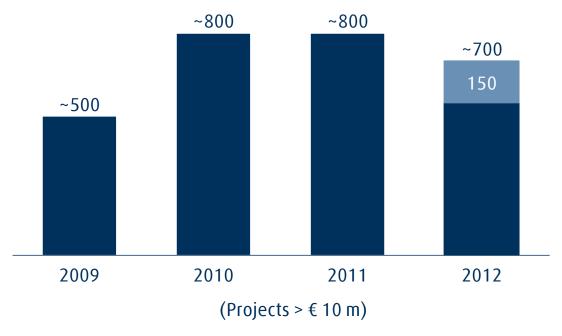


Gases Division, project pipelineSolid basis for sustainable growth



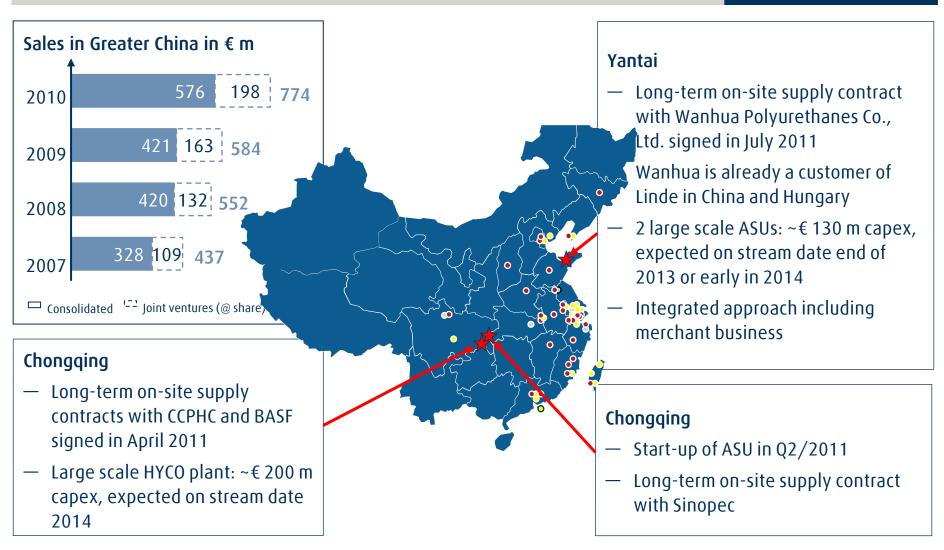
- Project amount for 2012 further increased in the first six months by € 150 m to € 700 m
- Around € 2.8 bn investments between 2009-2012 (thereof € 0.6 bn in JVs @ share)
- Close to 70% of total project-capex allocated to Growth Markets
- Project opportunities 12 months forward as published in March 2011 around € 4 bn with a large portion in Growth Markets

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



Linde Gases Division in Greater China Important project wins in 2011





Mega-trend Energy/Environment Potential Energy/Environment market is huge

| Pilot projects and small volumes



- 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*

(Please find assumptions for estimates on page 52)

Existing growth markets Future growth markets € 80 -140 bn € 14 -19 bn € 5 -7 bn **CLEAN COAL** CO₂ HANDLING H₂ FUELING EOR (N2 / NRU / CO2) LNG (Merchant/Floating) Other (e.g. Photovoltaic, Coal-to-Gas) 2015 2020 2030 Annual market revenue in the respective year

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

Mega-trend Energy/Environment Clean Energy development trends





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



Reduction of CO₂ Emission by 170k tons per annum:

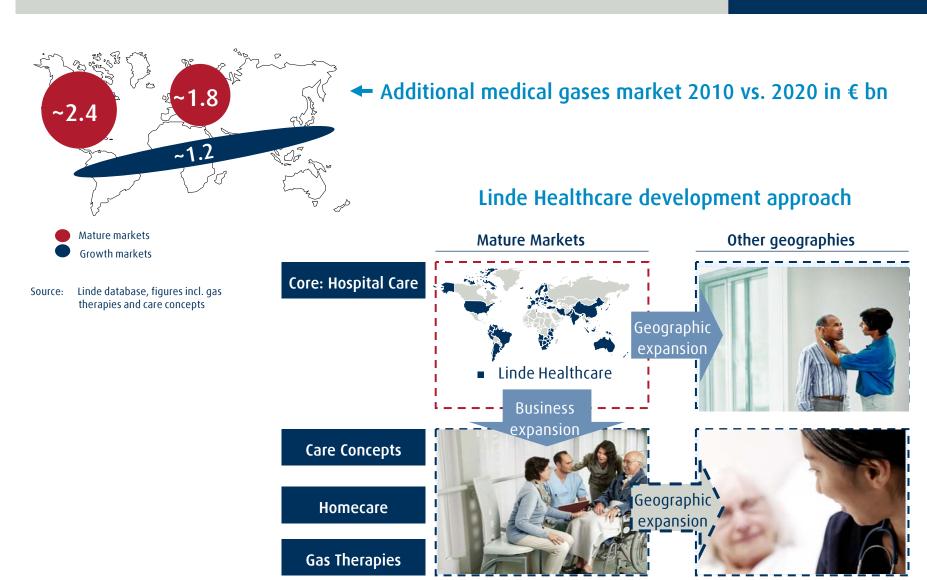
- Replacement of CO₂ generated by gas furnaces with CO₂ from a Shell refinery
- 85 km transportation pipeline with
 150 km of distribution lines
- Prevents combustion of 95 million cubic metres of natural gas

Future growth markets

Existing growth markets

Mega-trend HealthcareGrowth through innovation and regional expansion





Agenda

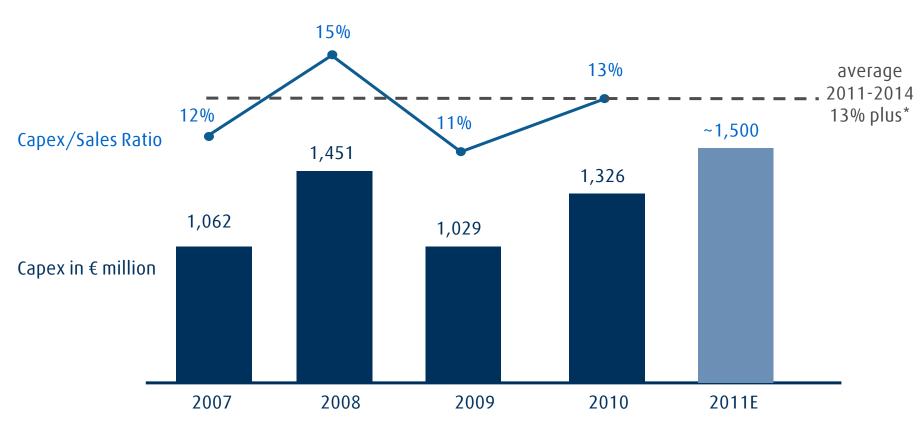


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Gases, CapexDevelopment Capex Sales Ratio 2007 - 2010





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

^{*} plus: additional potential for mega-projects

Outlook



2011	Group	 — Growth in sales and operating profit vs. 2010 — Confirmation of HPO-program: € 650-800 m of gross cost savings in 2009-2012
	Gases	 Sales increase vs. 2010 Operating profit to grow at a faster pace than sales
	Engineering	 — Sales at the same level as in 2010 — 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

SummaryContinuously Improving.



Positive performance continued over 6M 2011

Double-digit sales and earnings increase, comparable Gases growth accelerated to 8.5%

Sustainable strong Cash Flow generation

Implementation of HPO on track

Further increase of project pipeline in the Gases Division

Strong project execution in the Engineering Division

Outlook for 2011 reinforced

Competitive set-up for sustainable profitable growth

Strong market position in Growth Markets

Focus on mega-trends Energy / Environment and Healthcare

Well positioned with business synergies of Gases and Engineering

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 - High Performance Organisation
 - Growth Potential Mega-trends
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Appendix

Financial Highlights – H1 2011



in € million	H1 10	H1 11	Δ in %
Sales	6,104	6,774	11.0
Operating profit	1,396	1,559	11.7
Margin (in %)	22.9	23.0	
EBIT before PPA depreciation	922	1,039	12.7
PPA depreciation	125	121	
EBIT	797	918	15.2
Financial Result	-151	-126	16.6
Taxes	-163	-194	19.0
Net income	483	598	23.8
Net income – Part of shareholders Linde AG	445	566	27.2
EPS in €	2.63	3.32	26.2
Adjusted EPS in €	3.15	3.79	20.3

Financial Highlights – FY 2010

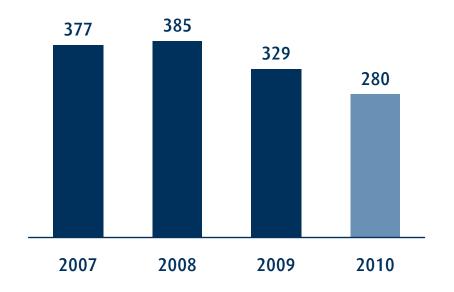


in € million	2009	2010	Δ in %
Sales	11,211	12,868	14.8
Operating Profit	2,385	2,925	22.6
Margin (in %)	21.3	22.7	
EBIT before PPA depreciation	1,460	1,933	32.4
PPA depreciation	-293	-254	
EBIT	1,167	1,679	43.9
Financial Results	-329	-280	14.9
Taxes	-185	-335	81.1
Net income	653	1,064	62.9
Net income – Part of shareholders Linde AG	591	1,005	70.1
EPS in €	3.51	5.94	69.2
Adjusted EPS in €	4.58	6.89	50.4

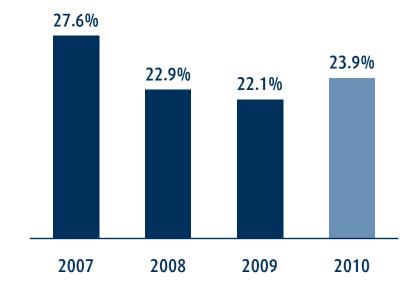
Financial Result and Tax Rate



Financial Result (in € million)



Tax Rate



GroupCash Flow – H1 2011



in € million	Q1 11	Q2 11	H1 11	H1 10
Operating profit	761	798	1,559	1,396
Change in Working Capital	-180	6	-174	-101
Other changes	-141	-267	-408	-393
Operating Cash Flow	440	537	977	902
Investments in tangibles/intangibles	-237	-310	-547	-503
Acquisitions/Financial investments	-13	-1	-14	-15
Other	43	33	76	82
Investment Cash Flow	-207	-278	-485	-436
Free Cash Flow before Financing	233	259	492	466
Interests and swaps	-45	-114	-159	-142
Dividends and other changes	-2	-385	-387	-304
Net debt increase (+)/decrease (-)	-186	240	54	-20

GroupCash Flow – FY 2010



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
Interests and swaps	-22	-120	-98	-58	-298	-301
Dividends and other changes	-1	-303	-4	28	-280	-329
Net debt increase (+) / decrease (-)	-183	163	-302	-457	-779	-522

FY 2010: Stable long-term financing



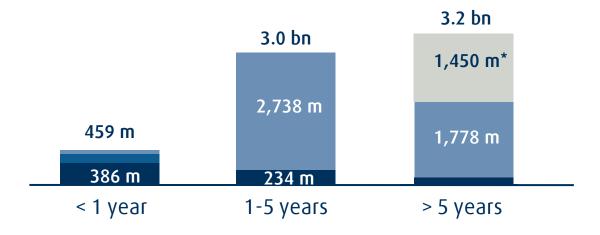
Well-spread and long-dated maturity profile

- 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

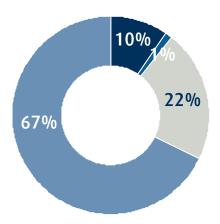
Balanced mix of various financing instruments

- 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

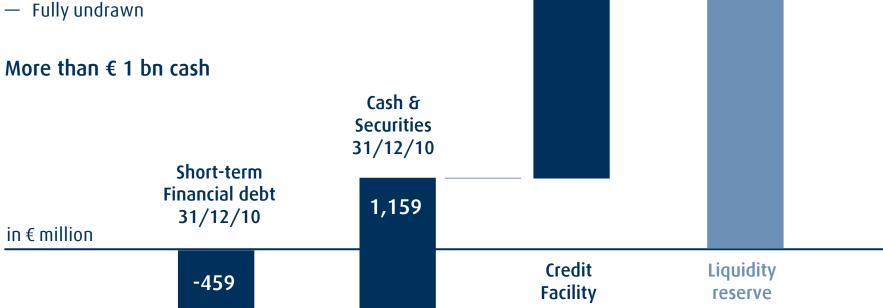
FY 2010: Liquidity reserve further strengthened



3,200

€ 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



2,500

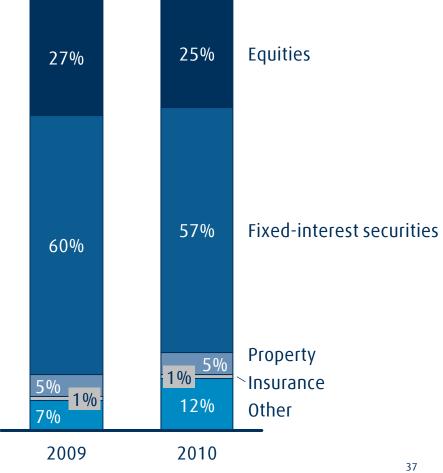
Pensions – Key figures



Net obligation

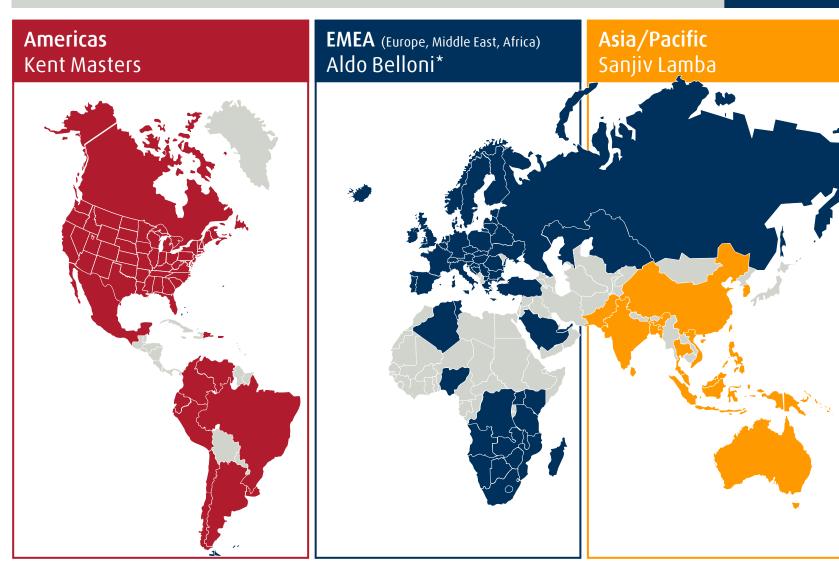
in € million	DBO	Plan asset	Net obligation
01.01.2010	4,744	3,896	848
Service costs	93		93
Net financing	265	246	19
Actuarial gains/losses	-92	141	-233
Contributions/payments	-217	-9	-208
FX	209	200	9
Other	-31	-7	-24
31.12.2010	4,971	4,467	504

Pension plan assets portfolio structure



Gases DivisionNew Operating Segments





Gases DivisionOperating Segments – Historical data 2010



EMEA (€ m)	Q1 2010	Q2 2010	Q3 2010	Q4 2010	FY 2010
Sales	1,264	1,349	1,365	1,352	5,330
Operating profit [*]	351	386	389	387	1,513
Operating margin	27.8%	28.6%	28.5%	28.6%	28.4%
Asia/Pacific (€ m)	Q1 2010	Q2 2010	Q3 2010	Q4 2010	FY 2010
Sales	577	677	711	727	2,692
Operating profit [*]	162	190	200	202	754
Operating margin	28.1%	28.1%	28.1%	27.8%	28.0%
Americas (€ m)	Q1 2010	Q2 2010	Q3 2010	Q4 2010	FY 2010
Sales	514	581	605	579	2,279
Operating profit [*]	112	136	129	122	499
Operating margin	21.8%	23.4%	21.3%	21.1%	21.9%

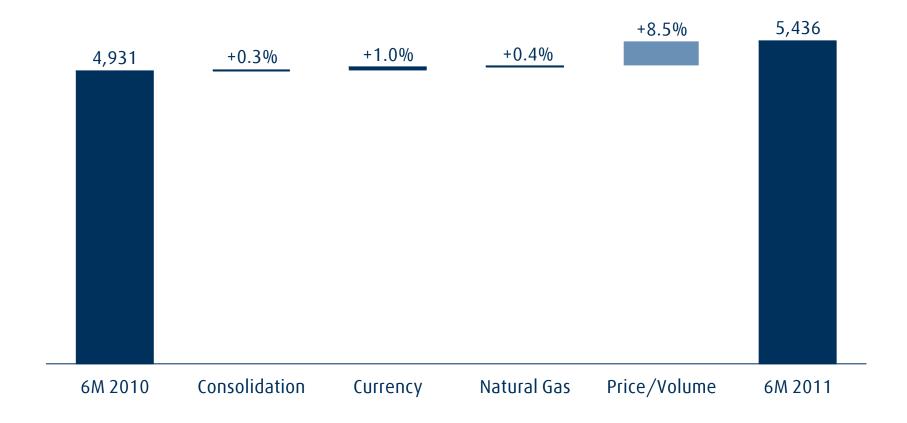
^{*} EBITDA before non-recurring items, including share of net income from associates and joint ventures

Gases Division



THE LINDE GROUP

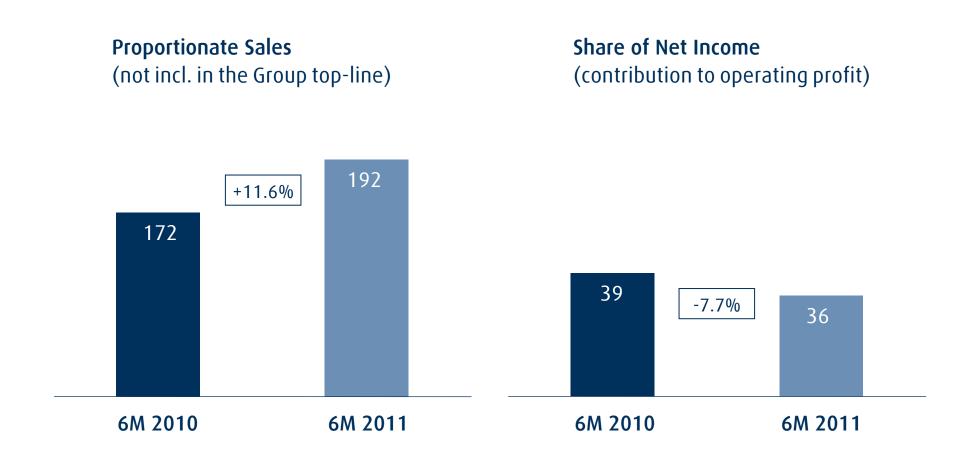
in € million



Gases DivisionJoint Ventures



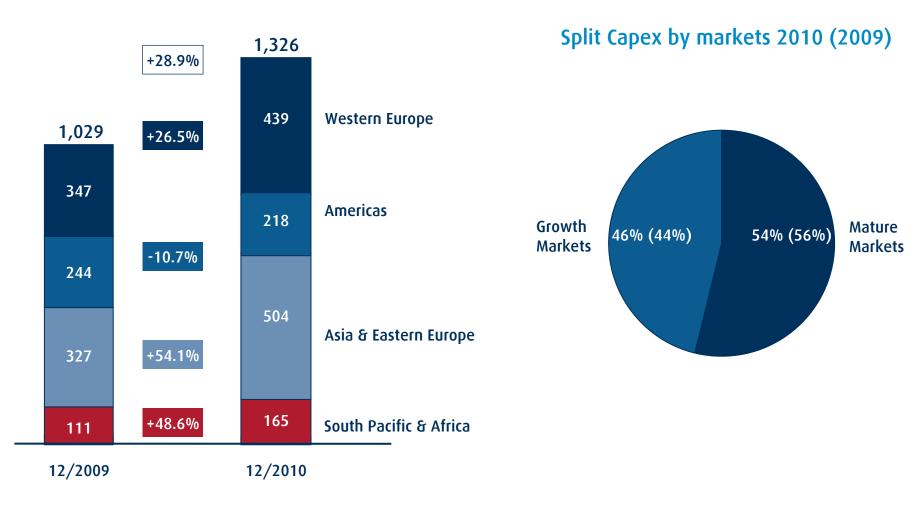
in € million



Gases DivisionSplit of Capex by operating segment



in € million



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

Tonnage Global #2

Healthcare Global #2



- > 70% of revenues from
- > 30% market share

Bulk Global #1 **Cylinder** Global #1

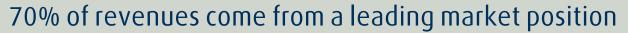


- Hospital care & Homecare
- Bulk & cylinder gases
- Structural growth



- High customer loyalty
- Includes specialty gases
- Cylinder rentals

Gases Division, local business model

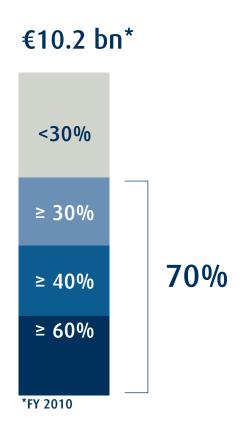


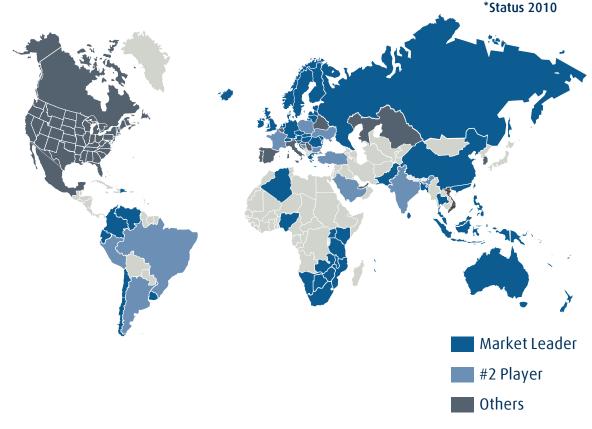


In bulk & cylinder: >70% of revenues from >30% market share positions

Sales split by market shares

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



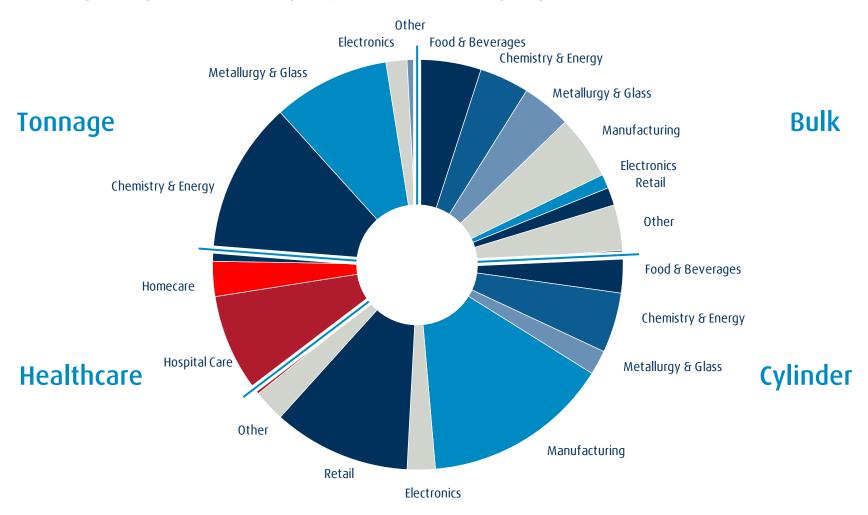


Gases Division

Stability driven by a broad customer base



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



Engineering Division

Global set-up with leading market position in all segments





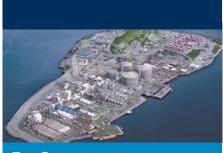






Olefin Plants





Natural Gas Plants

Top2

Top2

Top3

Providing plants for the gases business and 3rd party customers

Providing chemistry and energy related solutions to 3rd party customers

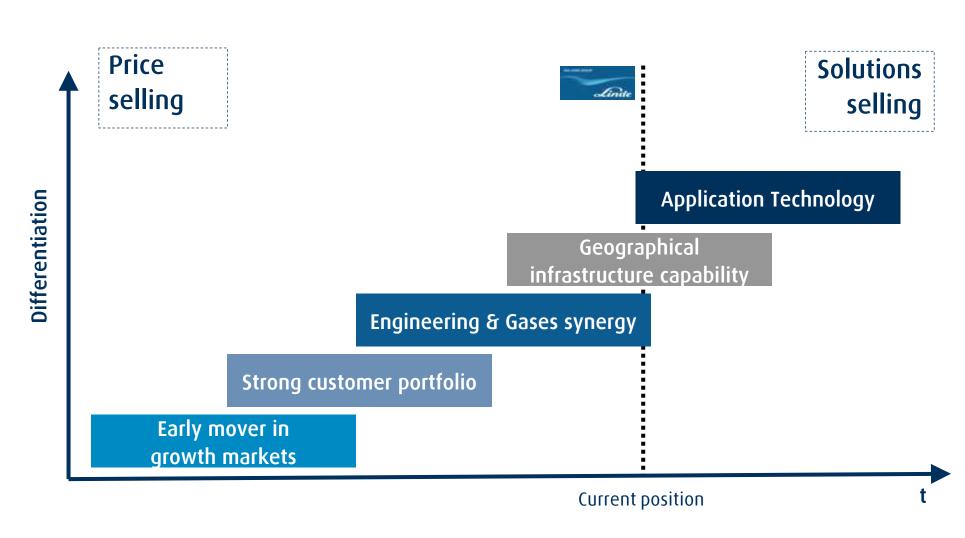


- Engineering base
- Sales office

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

Mega-trend Growth Markets Business approach in Growth Markets





Mega-trend Growth 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 Eastern Petrochemical plants Еигоре & Middle East Greater China South and East Asia South America South Africa

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











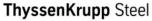
Metallurgy













Electronics











BLUESCOPE

















Others















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Gases Division in China Integrated offer in selected industrial poles



Integrated Clusters

Example - Ningbo

Gases products supply to bulk and cylinder markets

Pipeline linkage (key concept)

1

Fully Integrated Cluster

Multiple customers supplied by pipeline (GAN/GOX/GHY)

3

Integrated plant operation



Clean Energy market estimation 2020 & 2030 top down



General assumptions:

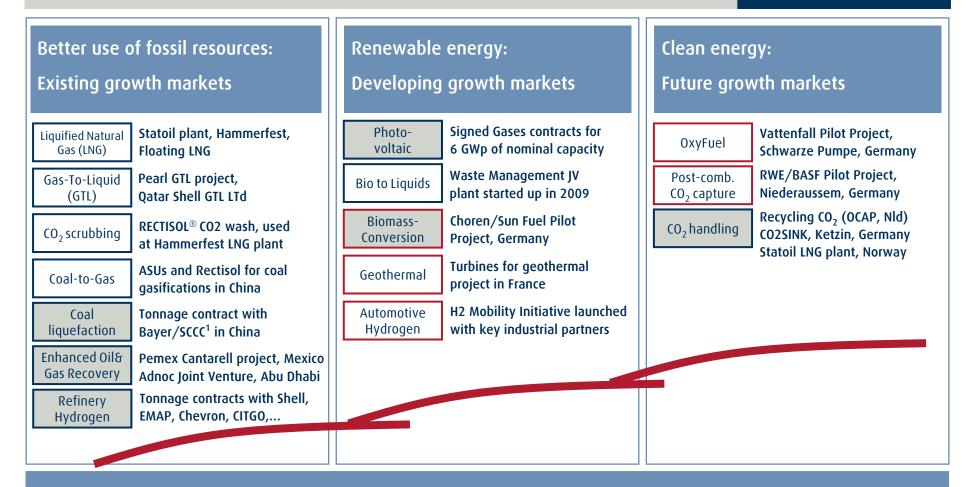
- Market numbers are directional only and w/o inflation or fx
- Oil price development at 80-100 USD/bll
- Outsourced gases market only (excl. captive market or equipment sales),

	Market size in € bn Assumptions for 2030	2015	2020	2030
LNG merchant/floating	 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	 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) 		4-5*	18-35*
Carbon Capture & Clean Coal	- Triple-digit number of 1 GW Carbon Capture (1.5 Gt/a CO2 at EUR25-40/t)			30-50
CO ₂ networks	- Installation of significant pipeline network and corresponding compression (1.5 Gt/a handling fee CO2 at EUR 10-15/t)		1	15-25
Hydrogen fuelling	 Installation of a significant fuel station infrastructure Corresponding annual H2 consumption of some bn tons p.a. 		1	10-15
Photovoltaic	- 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





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 Energy/Environment LNG-terminal Nynäshamn/Sweden







May 2011

- First LNG import terminal in the Baltics completed: ~ € 100 m
- Located 60 km south of Stockholm
- Storage of up to 20,000 cubic metres LNG at minus 162 degree Celsius (~12 m cubic metres natural gas)
- Main source LNG plant of Skangass in Norway
- Direct supply of customers or to customer network feed points via bulk transports
- LNG replaces LPG, light and heavy fuel oil for the transportation and marine market to reduce sulphur and NOx emissions

One-Stop-Provider in LNG-business

LNG terminal built by Linde Engineering

LNG terminal owned and operated by Linde Gas

LNG-plant designed and built by Linde Engineering

Distribution technology by Linde Engineering Sales and distribution by Linde Gas

Mega-trend Healthcare High potential for medical gases and related services



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

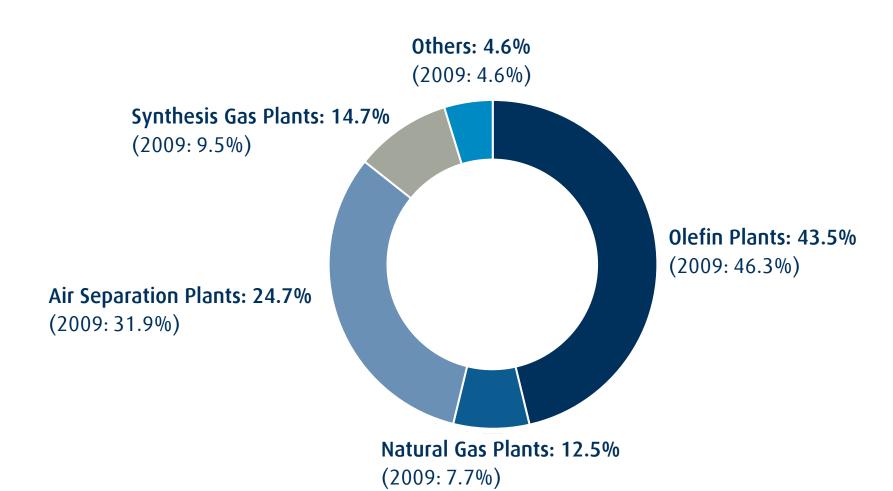
Hospital Care Care Concepts Homecare Gas Therapies

Engineering Division

Order backlog diversified and of high quality



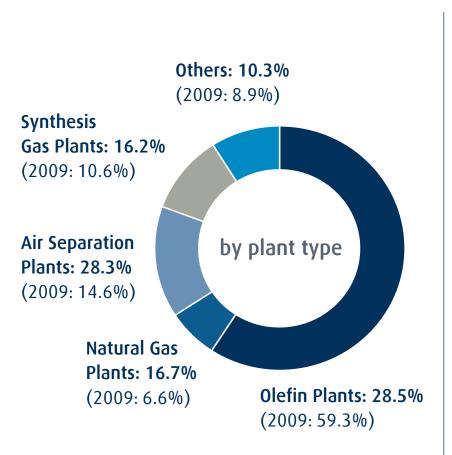
Order backlog by plant type (31/12/2010)

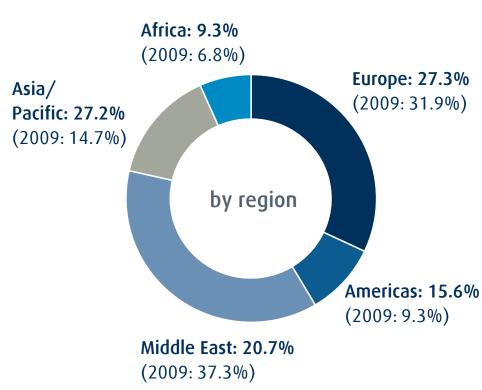


Engineering Division

FY 2010 order intake by plant type and region







Accounting considerations – Impact of PPA



Purchase Price Allocation (PPA)

Impact in 6M 2011: € 121 m (6M 2010: € 125 m)

Expected impact FY 2011: ~ € 250 m (upper end of guidance due to enforced one-brand strategy)

Background:

- The difference between the purchase cost of BOC and related acquisitions in Asia and their net asset value has been allocated to assets on the Linde balance sheet (for BOC, see Linde 2007 annual report, p. 99).
- The revaluation of these assets leads to additional depreciation and amortisation charges according to the useful life of the assets.
- Goodwill is not amortised but subject to a yearly impairment test.
- Depreciation & Amortisation from PPA is excluded from the calculation of Adjusted EPS.

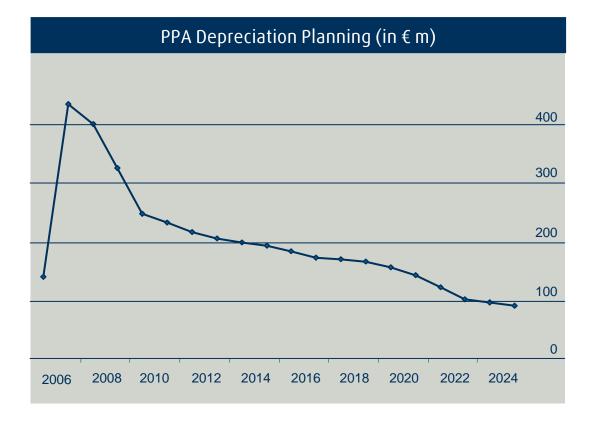
PPA – Expected Depreciation & Amortisation



- Development of depreciation and amortisation (in € million)
- Impact in 2010: € 254 million

Expected range

2011	> 200 – 250
2012	> 175 - 225
•••	
2022	< 125



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 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

Investor Relations



Contact

Phone: +49 89 357 57 1321

eMail: investorrelations@linde.com

Internet: www.linde.com

Financial Calendar

Interim Report January to September: 28 October 2011

Annual General Meeting: 04 May 2012