

Boston, 12 October 2010 Prof Dr Wolfgang Reitzle

### Disclaimer



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.

These forward looking statements involve known and unknown risks, uncertainties and other factors, many of which are outside of Linde's control, are difficult to predict and may cause actual results to differ significantly from any future results expressed or implied in the forward-looking statements in this presentation.

While Linde believes that the assumptions made and the expectations reflected in this presentation are reasonable, no assurance can be given that such assumptions or expectations will prove to have been correct and no guarantee of whatsoever nature is assumed in this respect. The uncertainties include, inter alia, the risk of a change in general economic conditions and government and regulatory actions. These known, unknown and uncertain factors are not exhaustive, and other factors, whether known, unknown or unpredictable, could cause the group's actual results or ratings to differ materially from those assumed hereinafter. Linde undertakes no obligation to update or revise the forward-looking statements in this presentation whether as a result of new information, future events or otherwise.

### Agenda



### Operational performance

- Growth accelerating over H1 2010
- HPO (High Performance Organisation)
- 2010 outlook

### Set-up for sustainable profitable growth

- Emerging market footprint
- Business synergies Gases and Engineering
- Energy and Environmental mega-trend
- Healthcare mega-trend

### **Appendix**

### Highlights



### Growth accelerating over H1 2010

Group sales up 11.5% to €6.104 bn, comparable Gases growth improving to 7.1% in Q2 Group operating profit increased 26.4% to €1.396 bn Reported EPS of €2.63 (+78.9%), adjusted EPS of €3.15 (+52.9%) Operating Cash Flow up 7.3% to €902 m, driven by a 17.7% increase in Q2

### Improving market conditions and HPO drive double-digit earnings growth

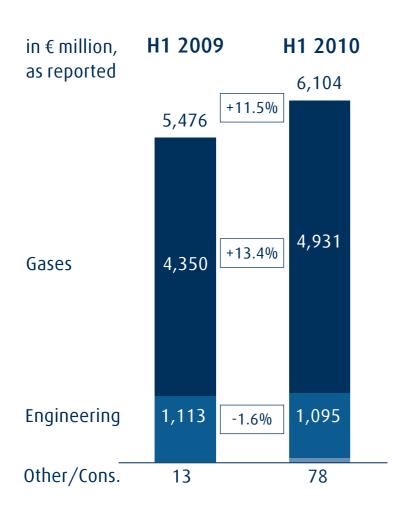
Growth still led by our emerging market activities, especially in Asia and South America Further economic recovery in the US, Western and Eastern Europe HPO savings drive further margin improvement of 270 bp to 22.9%

### Stable growth set-up in a still fragile economic environment

Solid financial structure with long-term oriented maturity profile
Well positioned for the mega-trends Healthcare, Energy/ Environment and Emerging Markets
Leverage of technology and customer synergies between our Gases and Engineering set-up

### **Group, sales by Divisions**Ongoing recovery and currencies drive group sales up 11.5%





#### **Gases Division**

- Comparable\* sales growth accelerating to 7.1% in Q2
- Global economic recovery visible in all product areas, strongest growth in tonnage and bulk segments
- Supportive currency development: major translational effects on AUD and ZAR

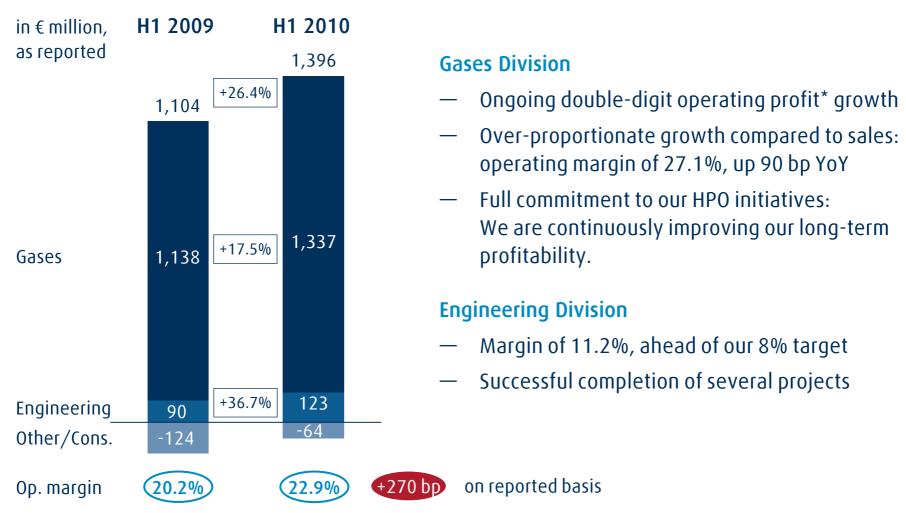
### **Engineering Division**

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

<sup>\*</sup>excluding currency, natural gas price and consolidation effect

## **Group, operating profit by Divisions**270 bp group margin increase supported by HPO savings





+150 bp, adjusted for €67 m restructuring charges in H1 2009

# Gases Division, sales by operating segment Emerging markets show the strongest growth momentum

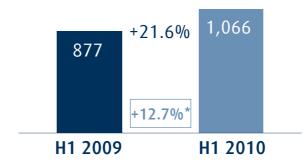


#### in € million

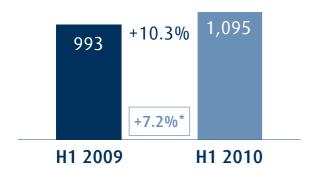




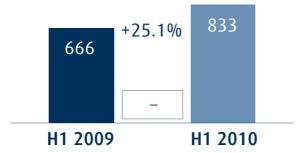
### Asia & Eastern Europe



#### Americas



#### South Pacific & Africa



- Volume recovery in our industrial end markets becoming more and more visible
- Strongest growth in Emerging Markets, double-digit comparable growth in Greater China and South- & East-Asia
- Improving momentum in Europe (West & East) and the US in Q2
- South Pacific and Africa continue to show major currency benefits

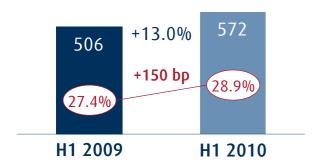
<sup>\*</sup>excluding currency, natural gas price and consolidation effect

# Gases Division, operating profit by operating segment HPO drives operating margin up to 27.1%

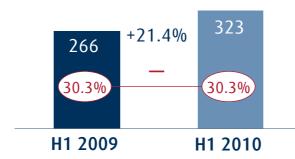


#### in € million

### Western Europe



### Asia & Eastern Europe

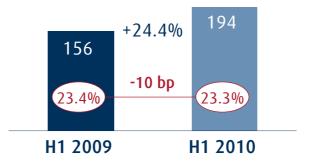


- YoY margin improvement in the Gases Division driven by strong margin increase in Western Europe and Americas
- Margin in the operating segment Asia & Eastern Europe impacted by higher natural gas prices

#### **Americas**



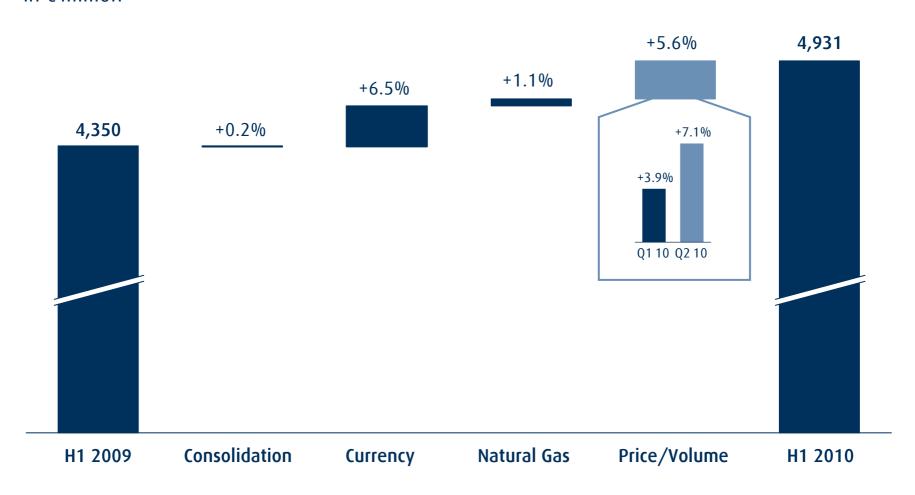
### South Pacific & Africa



### **Division Gases, sales bridge** Q2 sales increase of 7.1% on comparable basis

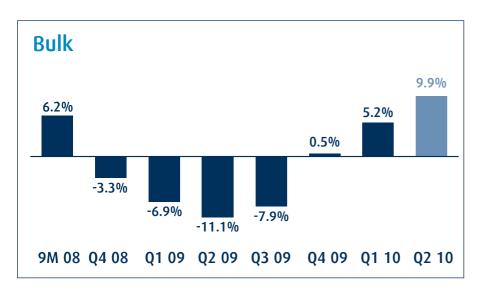


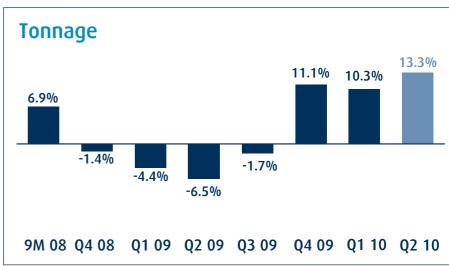
in € million

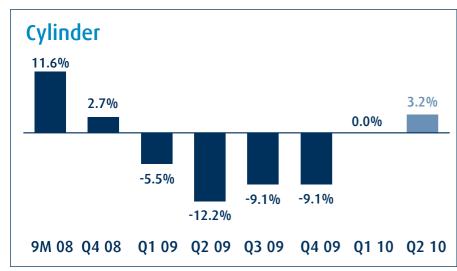


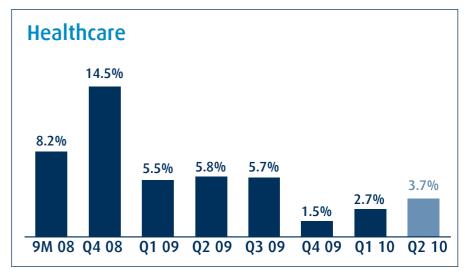
### Gases Division, product areas (comparable YoY growth) Cylinder business recovering further











# **Engineering Division, key figures**Underlying market environment keeps improving



- Strong order intake of small- and mid-sized contracts across all product segments
- YoY comparison impacted by mega olefin project (Ruwais, Abu Dhabi) signed in Q2 09
- Order backlog up to €4.315 bn (year-end 2009: €4.215 bn)

in € million	H1 09	H1 10	Δ ΥοΥ
Order intake	1,299	962	-25.9%
Sales	1,113	1,095	-1.6%
Operating profit*	90	123	+36.7%
Margin	8.1%	11.2%	+310 bp

<sup>\*</sup>EBITDA before non-recurring items and incl. share of net income from associates and joint ventures

# **Group, Cash Flow Statement**Operating Cash Flow up 7.3%, driven by 17.7% increase in Q2

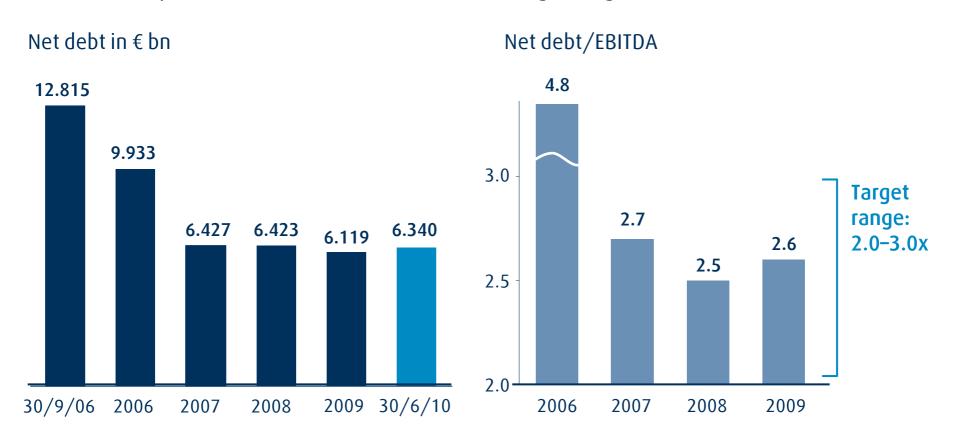


in € million	Q1 10	Q2 10	H1 10	H1 09
Operating profit	641	755	1,396	1,104
Change in Working Capital	-98	-3	-101	10
Other changes	-146	-247	-393	-273
Operating Cash Flow	397	505	902	841
Investments in tangibles/intangibles	-223	-280	-503	-543
Acquisitions/Financial investments	-6	-9	-15	-69
Other	38	44	82	76
Investment Cash Flow	-191	-245	-436	-536
Free Cash Flow before Financing	206	260	466	305
Interests and swaps	-22	-120	-142	-135
Dividends and other changes	-1	-303	-304	-322
Net debt decrease (-) / increase (+)	-183	163	-20	152

# **Group, solid financial position**Successful deleveraging rewarded with rating upgrade



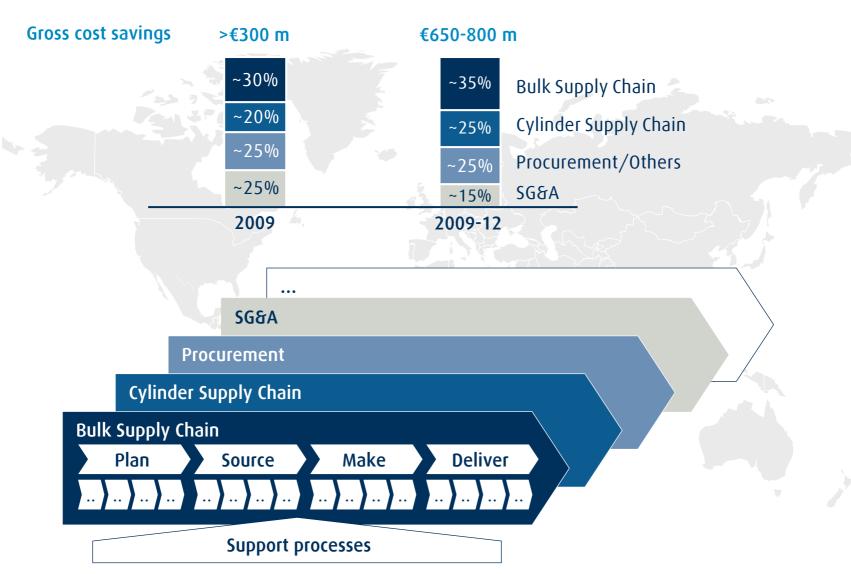
### 2009 Net debt/EBITDA ratio of 2.6x, well within our target range of 2-3x



Rating upgrade by S&P and Moody's towards A- and A3 respectively, both with stable outlook

# HPO (High Performance Organisation) A holistic approach covering the full value chain in all regions





### 2010 outlook



### Based on current consensus expectations for a moderate economic recovery

**Group:** Growth in sales and over-proportionate operating profit increase vs 2009, operating profit above record year 2008

- Capital expenditure above 2009 level
- Confirmation of HPO programme: €650-800 m of gross cost savings in 2009-2012

Gases: Increase in sales and operating profit vs 2009, operating profit above record level of 2008

- Strong project pipeline in the tonnage product area
- Volume improvement in the bulk & cylinder product areas
- Ongoing structural growth in healthcare

Engineering: Sales at least on 2009 level, operating margin to exceed 8% target margin in 2010

- Order backlog provides visibility for up to two years
- Further indications of improving investment climate for our key plant types

### Agenda



### Operational performance

- Growth accelerating over H1 2010
- HPO (High Performance Organisation)
- 2010 outlook

### Set-up for sustainable profitable growth

- Emerging market footprint
- Business synergies Gases and Engineering
- Energy and Environmental mega-trend
- Healthcare mega-trend

### **Appendix**

### **Growth opportunities**

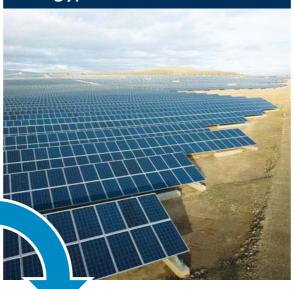
### Product portfolio serving mega-trends



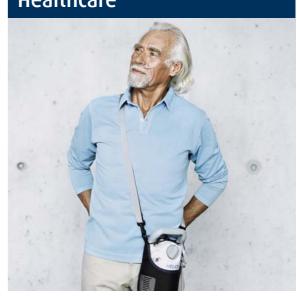
### **Emerging Markets**



### Energy/Environment



### Healthcare



Leveraging Gases & Engineering business synergies

# Mega-trend Emerging Markets Lower gases consumption implies structural growth potential





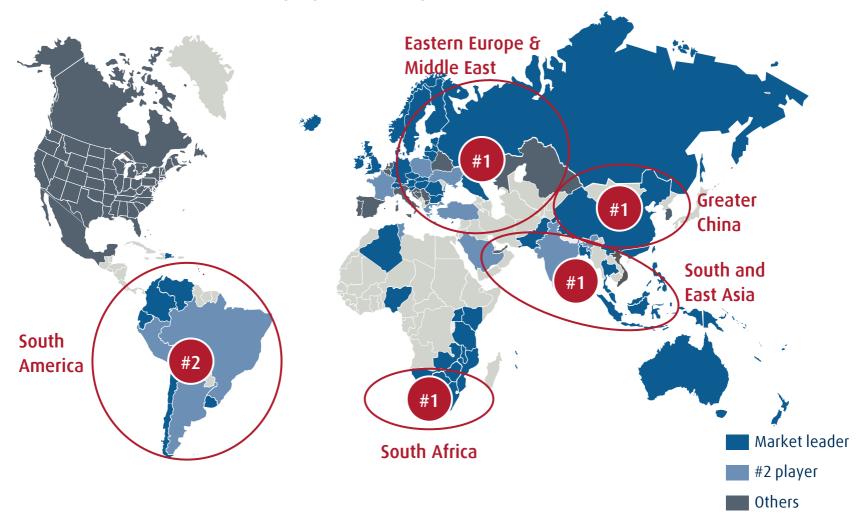
Emerging markets mega-trend driven by:

- Above-average GDP growth
- Increasing depth of gases applications
- Continuous trend towards outsourcing

# Mega-trend Emerging Markets Leading Gases set-up in local growth markets



### Market leader in 4 out of 5 emerging market regions

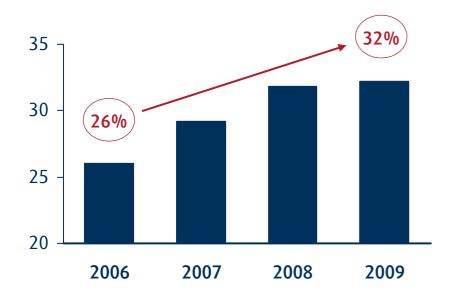


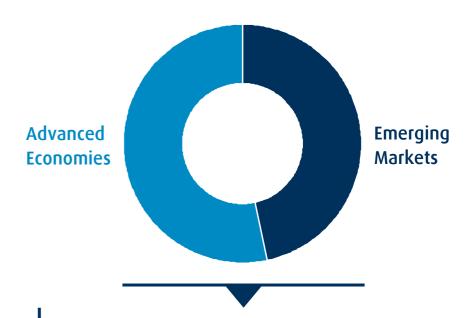
### Mega-trend Emerging Markets Growth trend leveraged by strong investment decisions



Emerging market sales, excl. JVs (% of total Gases sales)

Gases Capex (2007-09): €3.5 bn





### Strong emerging market exposure based on:

- Perfect fit between the historic strengths of BOC and Linde footprints
- Further leverage of these leading market positions through our capital allocation

Nearly half of Capex allocated to Emerging Markets already in 2007-09

## Gases Division, project pipeline Strong H1 2010, full pipeline of opportunities

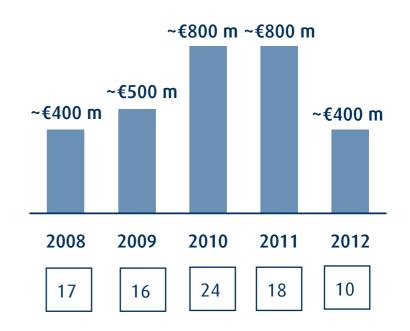


- €2.9 bn investments between 2008-2012 (thereof €0.5 bn in JVs @ share)
- 65% of project Capex allocated to emerging markets

### Large projects for ~€450 m decided in H1 2010 Major contracts:

#### **ArcelorMittal** Temirtau, Kazakhstan Thyssen Krupp Duisburg, Germany **TSMC** Tainan, Taiwan Wacker Nünchritz, Germany Sinopec & Dynamics Nanjing, China BOE Bejing, China Xuzhou, China GCL Giheung, South Korea Samsung

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



### Engineering Division

### Global set-up with leading market position in all segments







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



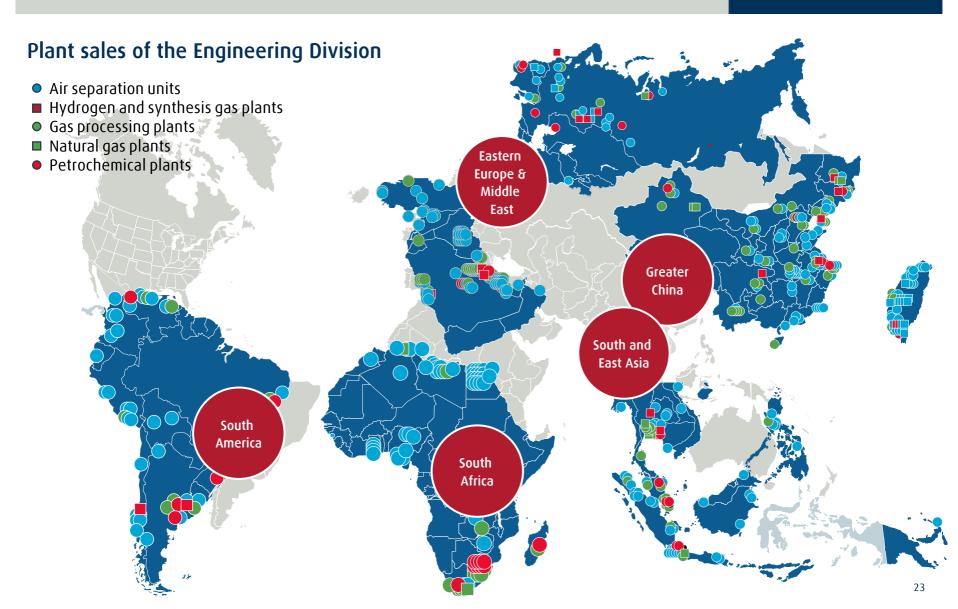


- Engineering base
- Sales office

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

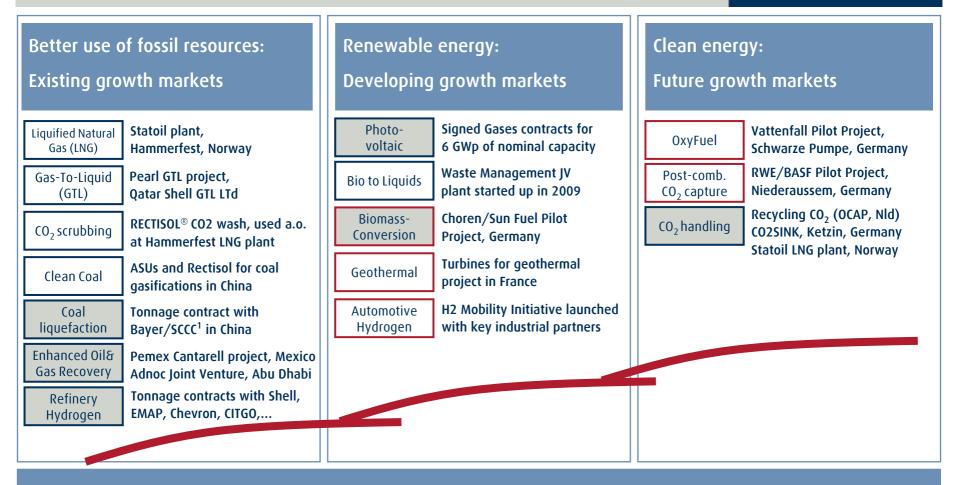
# Mega-trend Emerging Markets Strong customer relationships in Engineering





### 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, ...

<sup>1</sup> Shanghai Cooking & Chemical Corporation

### Mega-trend Healthcare

### Long-term potential for medical gases & related services



### Global healthcare systems face interrelated & structural trends

#### Market environment

Increasing & ageing population

Healthcare budgets

Healthcare quality

Increased regulation

### Healthcare challenges

Increased use of medical gases & related devices, new applications

Increase in chronic diseases (Asthma/COPD\*)

Therapies offering quality of life & cost reduction

Privatization of care/ outsourcing of services

### Linde's product offer

**Hospital Care** 

Homecare

Middle Care

Gas-related medical applications, f. ex.:

- CONOXIA®
- LIVOPAN®
- REMEO®

<sup>\*</sup>Chronic Obstructive Pulmonary Disease

### **Summary**



### Recovery gaining strength over H1 2010

Double-digit group sales increase in H1, comparable Gases growth accelerating to 7.1% in Q2 26.4% growth in group operating profit in H1, driven by Gases recovery Strong margin improvement of 270 bp supported by HPO savings

### Competitive set-up for sustainable profitable growth

Strong market position in emerging markets
Leveraging business synergies of Gases & Engineering
Focus on mega-trends Energy/Environment and Healthcare
Based on sustainable cash flow generation and solid long-term financing

#### Full commitment to HPO

Performance culture more important than ever: continuous improvement

Quickly adapted cost structure to market environment, durable productivity measures intensified

Long-term commitment to profitable growth: manage cost and returns to be ready for growth

### Agenda



### Operational performance

- Growth accelerating over H1 2010
- HPO (High Performance Organisation)
- 2010 outlook

### Set-up for sustainable profitable growth

- Emerging market footprint
- Business synergies Gases and Engineering
- Energy and Environmental mega-trend
- Healthcare mega-trend

### **Appendix**

# **Group Financial Highlights** H1 2010



H1 09	H1 10	in %
5,476	6,104	+11.5
1,104	1,396	+26.4
20.2	22.9	+270 bp
669	922	+37.8
146	125	-
523	797	+52.4
-158	-151	-
91	163	-
274	483	+76.3
248	445	+79.4
1.47	2.63	+78.9
2.06	3.15	+52.9
	5,476 1,104 20.2 669 146 523 -158 91 274 248 1.47	5,476       6,104         1,104       1,396         20.2       22.9         669       922         146       125         523       797         -158       -151         91       163         274       483         248       445         1.47       2.63

# **Group Financial Highlights** Q2 2010



in € million	Q2 09	Q2 10	in %
Sales	2,781	3,210	+15.4
Operating profit	566	755	+33.4
Margin	20.4	23.5	+310 bp
EBIT before PPA depreciation	346	512	+48.0
PPA depreciation	72	66	-
EBIT	274	446	+62.8
Financial Result	-79	-83	-
Taxes	49	93	-
Net income	146	270	+84.9
Net income – Part of shareholders Linde AG	133	247	+85.7
EPS in €	0.79	1.46	+84.8
Adjusted EPS in €	1.07	1.74	+62.6

### Gases Division, product areas

### Various distribution mix served from one product source





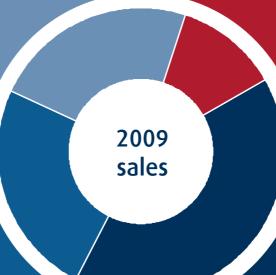
- 15-year take-or-pay contracts (incl. base facility fees)
- Add. growth in JVs & Embedded Finance Lease projects



- 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

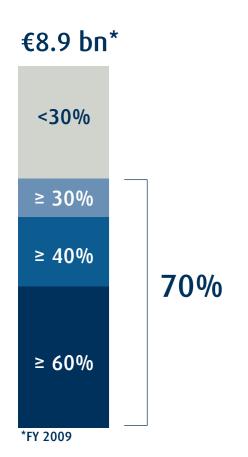
## **Gases Division, local business model**70% of revenues come from a leading market position

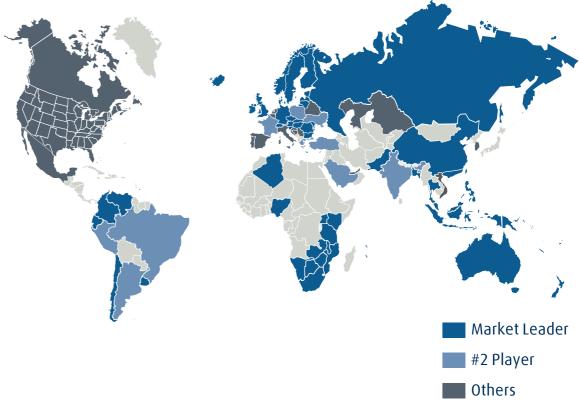


In bulk & cylinder: >70% of revenues from >30% market share positions

Sales split by market shares

Market leader in 46 of the 70 major countries, #2 Player in another 10



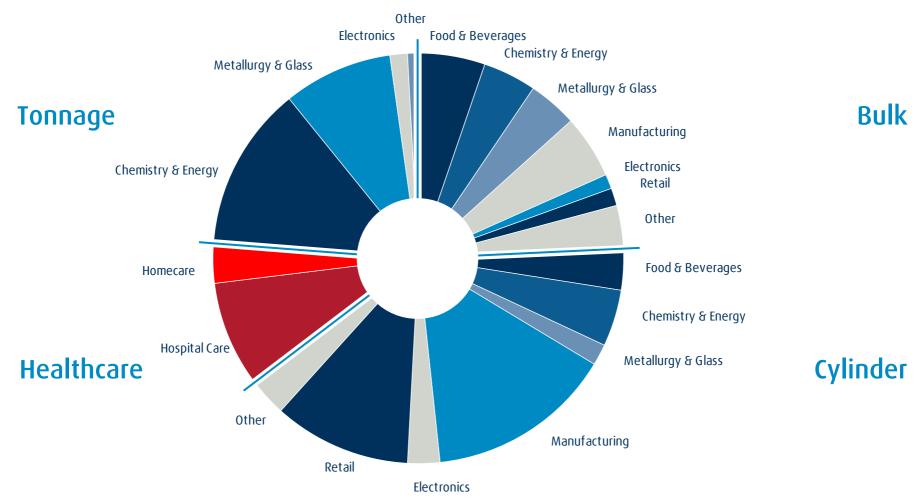


### **Gases Division**

### Stability driven by a broad customer base

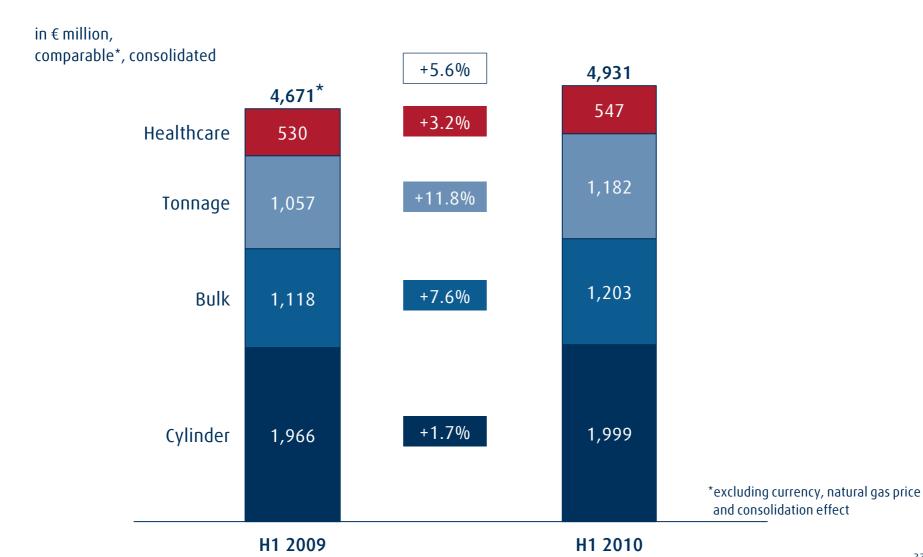


### 2009: Split of product areas by major end-customer groups



# Gases Division, sales by product areas Business environment further improving in all product areas

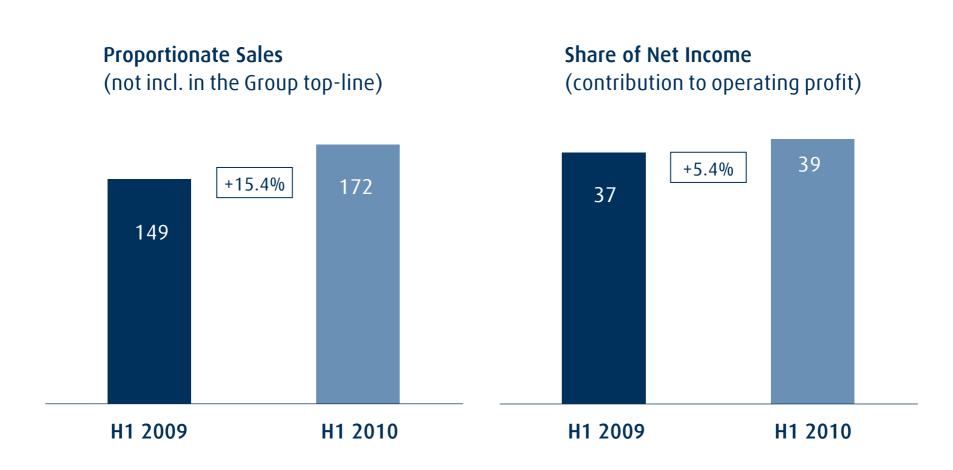




# **Gases Division, Joint Ventures**Asian projects drive growth of our JV sales



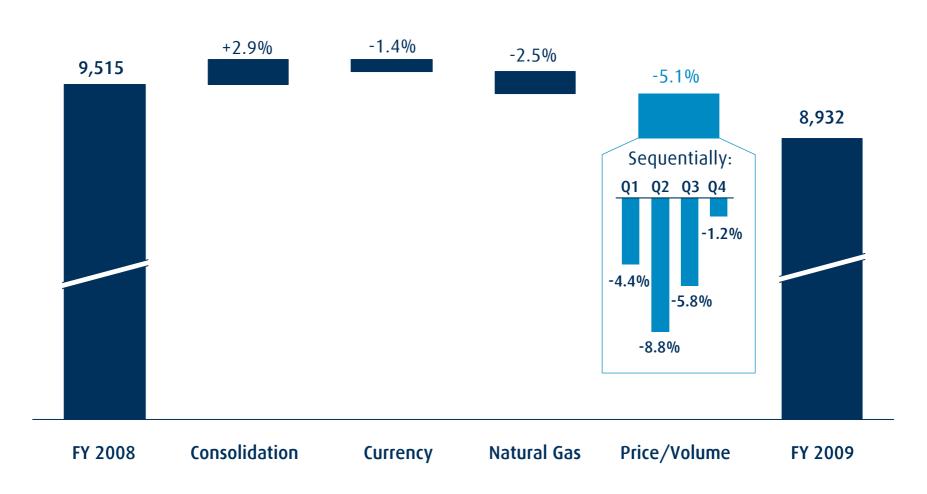
in € million



# Gases Division, 2009 sales bridge Limited sales decline of 5.1% on comparable basis

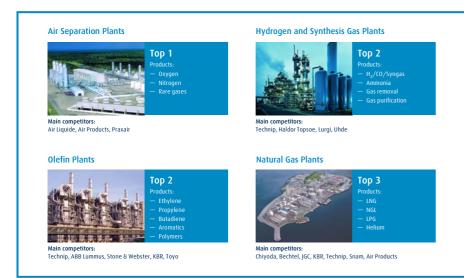


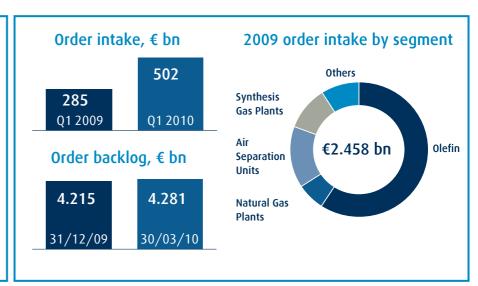
in € million



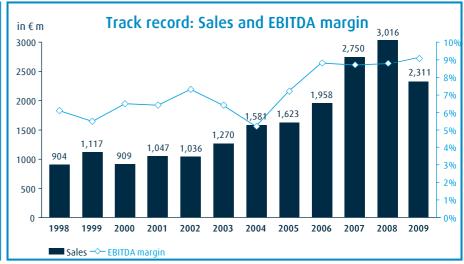
## **Engineering Division, financial track record**Leading market position in all segments







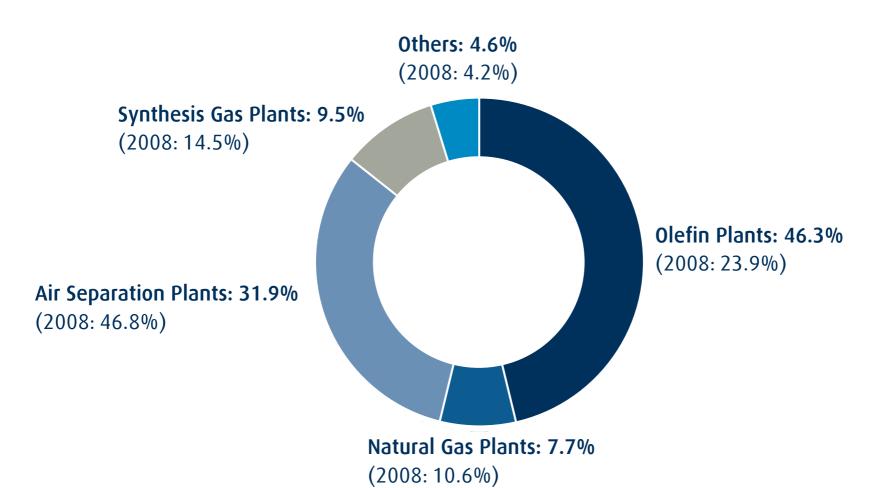




## **Engineering Division**Order backlog diversified and of high quality



### Order backlog by plant type (31/12/2009)



#### **HPO**

### A wide spectrum of productivity improving initiatives



#### From 2009 Quick-start initiatives (Examples) ...

Additional plants rolled into existing Remote Operating Centres (ROCs)

Harmonisation and capability enhancements of existing logistic systems

Pilots to explore and validate best-practice optimisation levers for cylinder filling

Further roll-out of category management resulting in, e.g., increased sourcing from low-cost countries

Further automation and standardisation of management reporting

### ... to Leading processes by 2012 (Examples)

All plants controlled via Regional and Global ROCs using advanced control systems

One common platform for scheduling and routing in all geographies

Most filling plants employing best-practice processes, optimised plant layout, and uniform performance measurement and management

Harmonised processes, tools & standards across the Group to fully realise the benefits of Linde's buying power

Highly efficient transactional processes in Sales and Administration functions

### HP0

### More than pure cost cutting



### Better leverage synergies between our Gases and Engineering Divisions

- Higher standardisation of ASUs: focus on a limited number of plant types
- Lower lead times: reduced delivery times to less than 24 months
- Lower costs: cut of total installed costs by more than 20%
- Thus making offerings of the Gases Division more attractive to its customers

### Support productivity gains by further process excellence in the organisation

- Shared best practices in contract management
- Further improved pricing performance by leveraging best practices

### Invest in our employees

People excellence: make every individual a High Performer in his activity field

# **Group, FY 2009**Cash flow statement

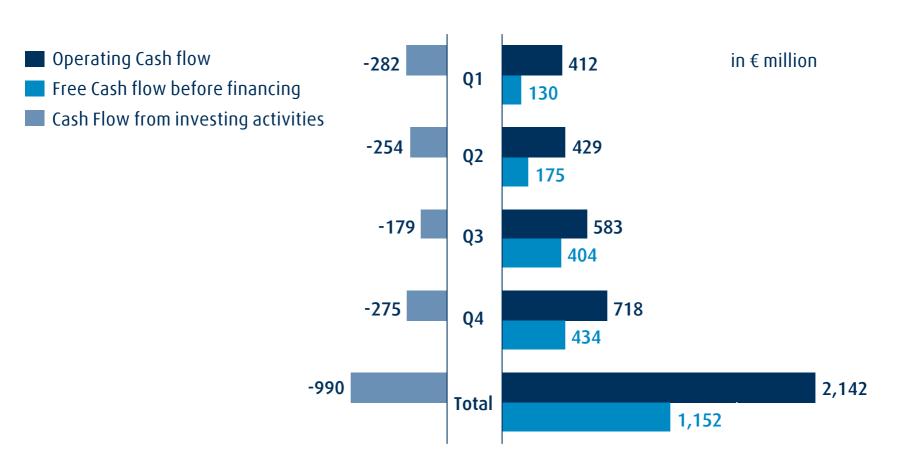


in € million	Q1/09	Q2/09	Q3/09	Q4/09	2009	2008
Operating Profit	538	566	637	644	2,385	2,555
Change in Working Capital	-37	47	15	135	160	-197
Other changes	-89	-184	-69	-61	-97	-253
Operating Cash flow	412	429	583	718	2,142	1,876
Investments in tangibles / intangibles	-267	-276	-223	-338	-1,104	-1,404
Acquisitions / Financial investments	-60	-9	-12	-5	-86	-213
Other	45	31	56	68	200	345
Investment Cash flow	-282	-254	-179	-275	-990	-1,272
Free Cashflow before financing	130	175	404	443	1,152	604
Financing activities	-41	-416	-107	-66	-630	-712
Net debt increase (+) / reduction (-)	-89	241	-297	-377	-522	108

## **Group, 2009 Cash Flow**Strong free cash flow generation in the crisis



Tight discretionary capex management leaves more than € 1 bn free cash flow before financing



### Group, 2009 Cash Flow

### Balanced use between growth, deleveraging and dividends



#### Invest for sustainable profitable growth

- Strong capex discipline on Merchant investments
- Committment to contracted tonnage projects
- Bolt-on acquisitions in attractive growth markets

Capex/Sales	Group	Gases	
2008	11.6%	15.2%	In line with our mid-term
2009	10.1%	11.5%	

#### Investing Cash Flow: €990 m

€ 1,190 m	Capex/Acquisitions
	_
- € 88 m	Other*
- € 112 m	Proceeds

#### Balanced use of Free Cash Flow after Capex

- Maintained stable reflecting the resilient operating performance through the crisis
- Market environment allowed significantly lower interest costs on variable-rate debt
- Cash redemption not fully visible in the net debt development due to adverse currency effects

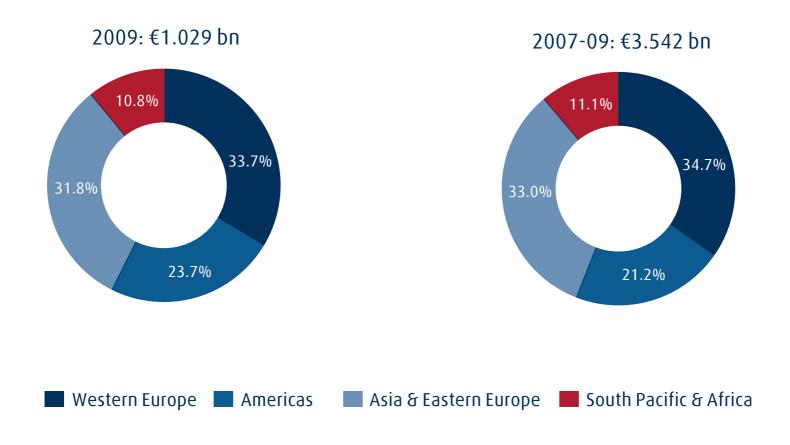
#### Free Cash Flow before financing: €1,152 m

	i
€ 343 m	Dividends
€ 301 m	Net interest
€ 522 m	Net debt repaymen

<sup>\*</sup> Includes payments for investments in current financial assets; and reconciliation of posted capex and the cash out for capex

## Gases Division, 2009 Capex Capex split by operating segments (excl. financial assets)





# **Group, solid financial position**Stable long-term financing



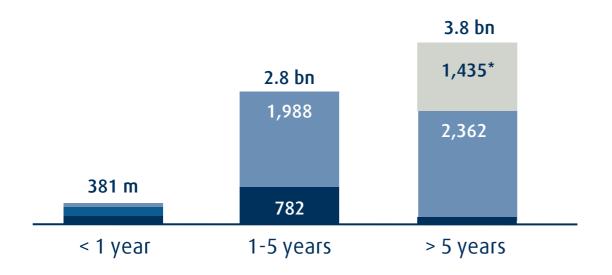
### Well-spread maturity profile

Regular issues have continuously lengthened our refinancing schedule 95% of total financial debt is due beyond 2010 55% of total financial debt has a longer maturity than 5 years

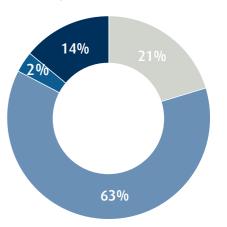
### Balanced mix of various financing instruments

Long-term capital market financing: bonds cover > 80% of financial debt

Financial debt, by maturity (in € m, ∑ bn), as of 31/12/09



### Financial debt, by instrument



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

# **Group, Dividends**Dividend unchanged of €1.80



### Consistent dividend policy



<sup>\*</sup> Comparable change: prior year figures including twelve months of BOC

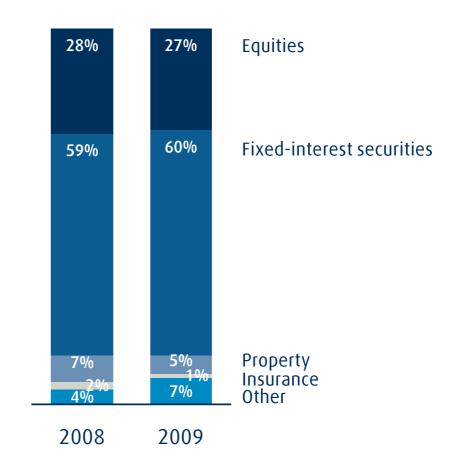
# **Group, Pensions**Key figures



### **Net obligation**

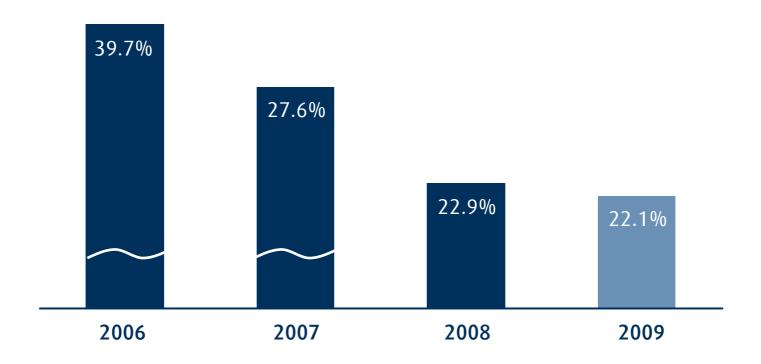
in € million	DBO	Plan asset	Net obligation
01.01.2009	4,097	3,453	644
Service costs	77		77
Net financing	238	195	43
Actuarial gains/losses	514	253	261
Contributions/payments	-227	-45	-182
FX	235	228	7
<b>Other</b>	-190	-188	-2
31.12.2009	4,744	3,896	848

### Pension plan assets portfolio structure



# **Group, Tax**Development of tax rate





Target range for 2010: 24-26%

### Group

### Reconciliation of Capital Employed



	31.12.2008	31.12.2009			
in € million	Key Financial Figures	As reported	Non-GAAP adjustment	Key Financial Figures	Effects
Equity incl. minority interest	7,116	9,187	-952	8,235	PPA and disposal effects
Plus: net debt	6,423	6,119		6,119	
Plus: liabilities from financial services	34	28		28	
Less: receivables from financial services	746	645		645	
Balance of financial debt	5,711	5,502		5,502	
Net pension obligations	681	887		887	
Capital employed	13,508	15,576	-952	14,624	
Average Capital employed	13,696	15,109		14,066	
Return on Capital Employed (ROCE)	12.4 %	7.7 %		10.4 %	

# **Group**Reconciliation of EPS



	31.12.2008	31	.12.2009		
in € million	Key Financial Figures	As reported	Non-GAAP adjustment	Key Financial Figures	Effects
EBIT before special items	1,703	1,167	293	1,460	PPA
Taxes on income	-342	-185	-112	-297	deferred taxes on PPA
Earnings after taxes and minority interest	917	591	181	772	
EPS (in €)	5.46	3.51		4.58	
Weighted average no. of shares (in million)	167,8	168,6		168,6	

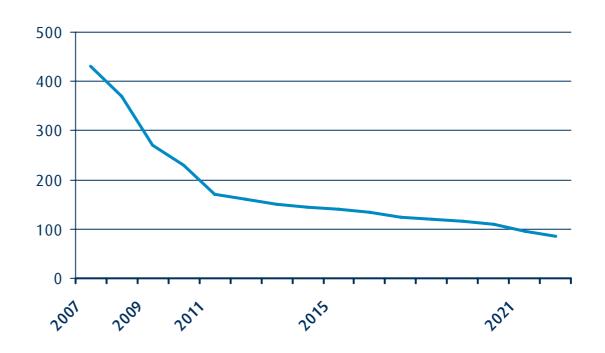
## **Group, Purchase Price Allocation**Confirmation of expected Depreciation & Amortisation



Development of depreciation and amortisation (in € million)
Impact in 2009: €293 million

### **Expected range**

2010	> 200 – 250
2011	> 175 - 225
•••	
2022	< 100



# **Group, Mandatory adoption of IFRIC 4**Expected impact on sales and EBITDA



The Linde Group shows a significant amount of plants as embedded finance leases due to the adoption of IFRIC 4

Sales and EBITDA from IFRIC 4 plants not recognized through reported sales and EBITDA in 2009: €-120 million

Receivables from Financial Services (= PV of minimum lease payments): 31/12/2009 €645 million

31/12/2008 €746 million



- EBITDA multiple comparison with peers needs to be adjusted for IFRIC 4
- Reported operating profit margin for Gases
   Division in 2009 is 100 bps lower due to EFL
- Reported tonnage sales do not include sales from plants treated under IFRIC4
- Very minor impact on EPS, no impact on Free Cash Flow

in € million	Gross investment	PV of minimum lease payments
Due within 2010	112	75
Due within one to five years	395	279
Due in more than five years	346	291
Total	853	645
	ture reduction les and EBITDA	Amortization of lease receivable

### **Group, Accounting considerations**Impact of PPA and EFL



#### Purchase Price Allocation (PPA)

Impact in H1 2010: €125 m (H1 2009: €146 m)

Expected impact FY 2010: €200-250 m

#### **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.

#### IFRIC 4: Embedded Finance Lease (EFL)

Impact\* in H1 2010 : €-58 m (H1 2009 : €-63 m)

Expected impact\* FY 2010: €-112 m \*(on Sales and EBITDA)

#### **Background:**

- Tonnage contracts dedicated to one single customer (> 95% of sales), who covers all major market risks, have to be treated under IFRS like an embedded finance lease.
- The related cash flow streams are therefore no more booked as sales and operating profit but recognised as amortisation of financial receivables in the balance sheet and financial income in the P&L.
- EBITDA multiple comparison with peers needs to be adjusted for IFRIC 4
- Very minor impact on EPS, no impact on Free Cash Flow

### Definition of financial key figures



Operating Profit	Return	EBITDA (incl. IFRIC 4 adjustment) excl. finance costs for pensions excl. non-recurring 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 +/- non-recurring items
	Shares	average outstanding shares

### **Investor Relations Contacts**



### Thomas Eisenlohr, Head of Investor Relations

Phone +49.89.35757-1330 thomas.eisenlohr@linde.com

#### **Robert Schneider**

Phone +49.89.35757-1332 robert.schneider@linde.com