

LeadIng.

THE LINDE GROUP

#### 16-17 September 2009

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- 1. Operational Performance
- 2. Financial Position
- 3. Strategic Set-up and HPO

Appendix

# Highlights

#### H1 operational performance

Group sales of € 5.476 bn (-12.5%), Group operating profit of € 1.104 bn (-12.2%) Before restructuring charges, Group operating profit down 6.9% and adjusted EPS down 13.6% Ongoing strong cash flow generation: Operating cash flow increased to € 841 m (H1 08: € 816 m)

#### Strengthened profitability in difficult market circumstances

Group operating margin before restructuring charges up 130 basis points to 21.4% (H1 08: 20.1%) Acceleration of HPO reflected in ramp-up of cost savings

#### Stable set-up in place

Long-term oriented financing: very well spread maturity profile with a strong liquidity reserve Already more than 30% of Gases sales in emerging markets Defensive growth set-up, serving mega-trends in energy, environment and healthcare

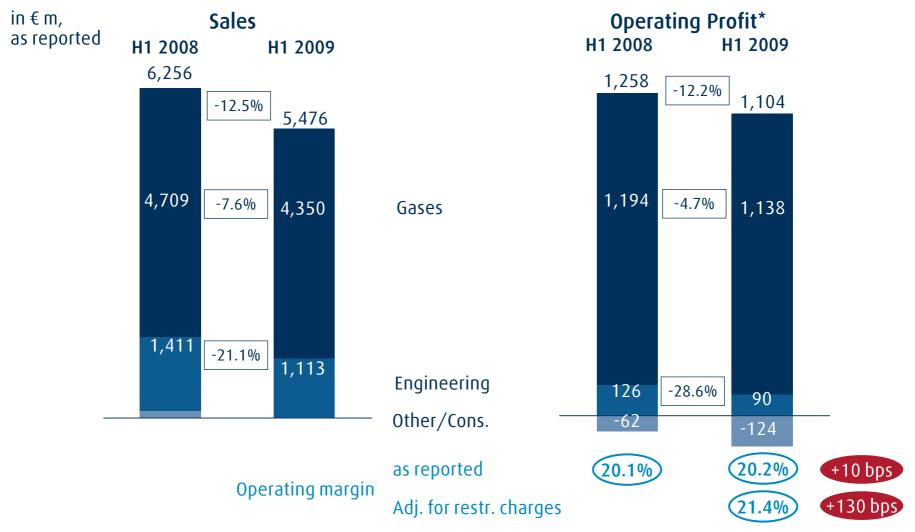
#### Outlook 2009

Further recovery in the second half-year compared to the first half as the economic improvement takes hold

Sales and earnings level as in the record year 2008 no more attainable

# **Group, H1 operational performance** Group operating profit excl. restructuring charges down 6.9%

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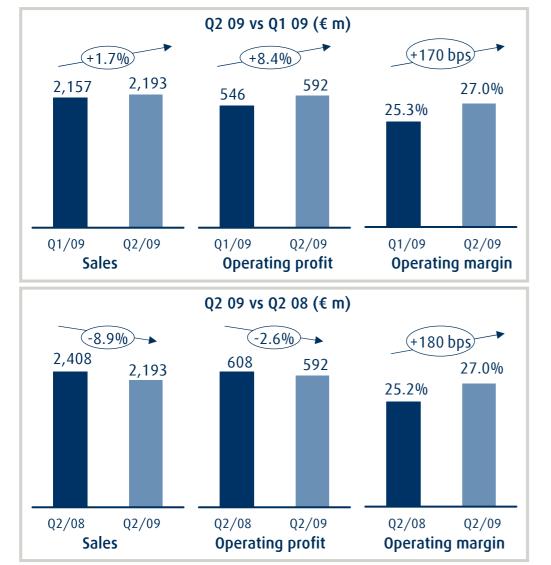


\*EBITDA before special items and incl. share of net income from associates and joint ventures

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# **Gases Division, quarterly focus** Sequential improvement in Q2 2009





#### Return to sequential growth

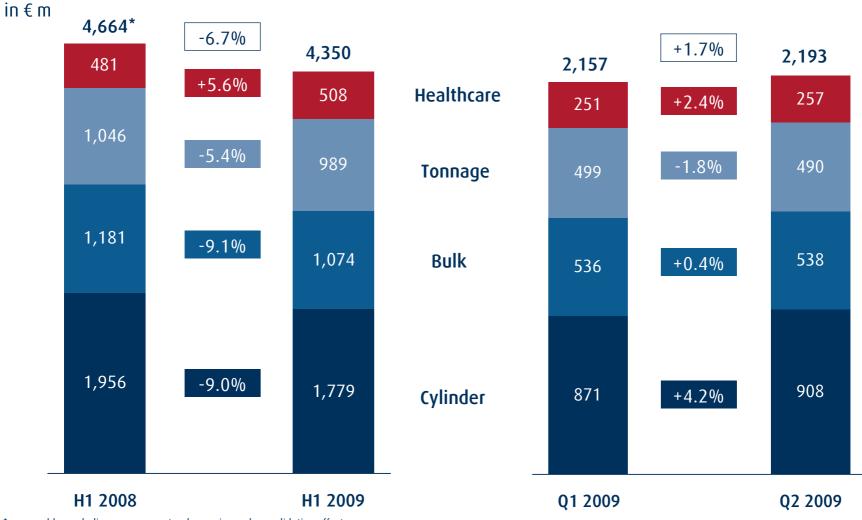
- Slight sales increase from Q1 09
- Driven by first recovery steps in Emerging Markets
- Stabilisation of sales run rates in mature economies

#### Strong margin improvement

- Driven by acceleration of HPO
- Margin increase in all operating segments
- Excl. natural gas price effect margin up by 80 bps

# **Gases Division, sales by product areas (consolidated)** Sequential improvement in Q2 2009



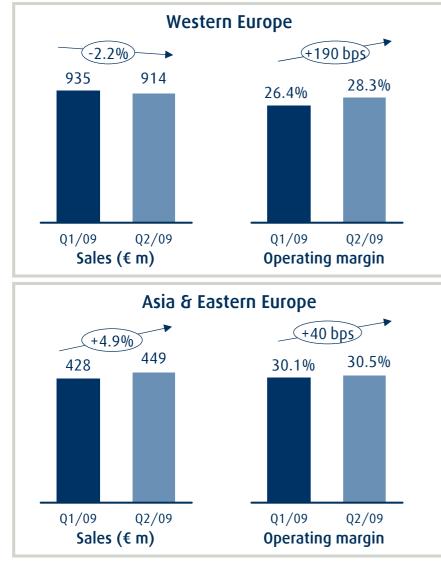


\*comparable: excluding currency, natural gas price and consolidation effect

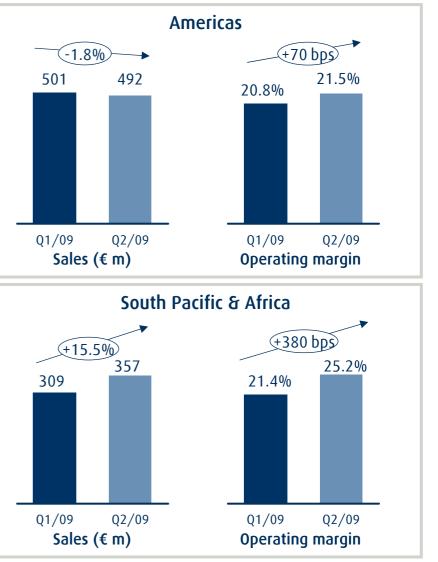
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# Gases Division, Q2 performance by operating segment Sequential improvement driven by emerging market regions

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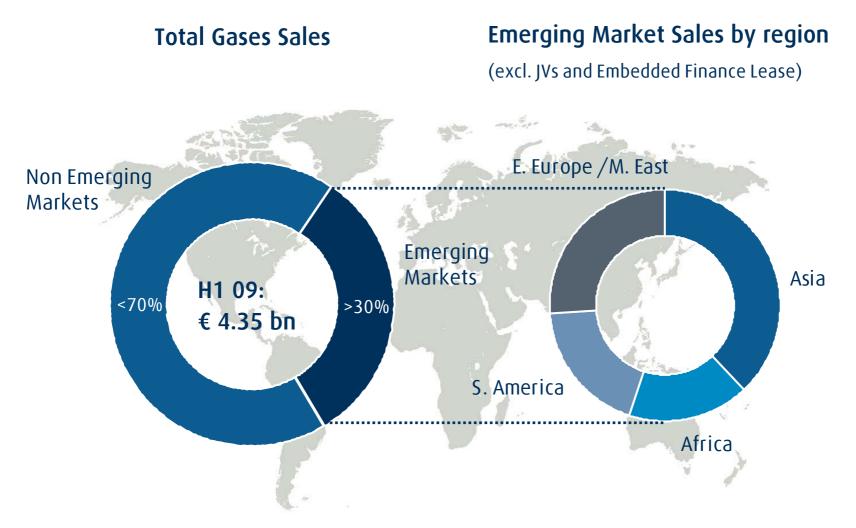


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## Gases Division, emerging market set-up Already more than 30% of sales in emerging markets





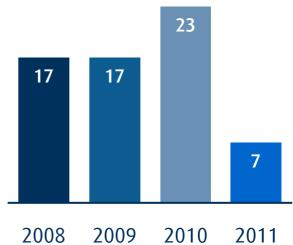
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## **Gases Division, project pipeline** Stable customer commitment



- Total project number unchanged: 64 start-ups by 2011 (incl. JVs)
- Overall still lower activity in new contract signings, but the structural growth potential remains strong, especially in Emerging Markets and energy applications





# **Group, business synergies between Gases and Engineering** Leverage common customer relationships

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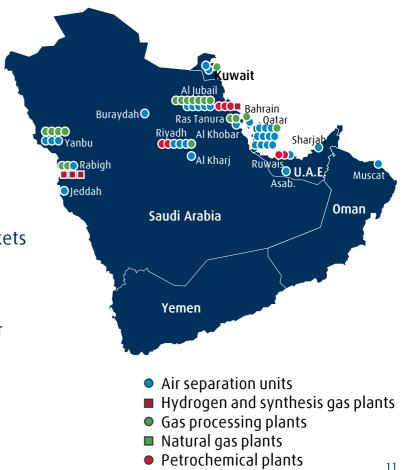
ADNOC (Abu Dhabi National Oil Corporation) - customer relationship in Gases and Engineering:

ADNOC - long-term customer of our Engineering Division Ethylene plant (Ruwais 1) signed in 1998 Ethylene plant (Ruwais 2) signed in 2006 Ethylene plant (Ruwais 3) signed in June 2009

JV ADNOC/Gases Division (founded in December 2007) First contract: ASU in the Ruwais cluster Serving Ethylene cracker (Ruwais 2) with nitrogen Linde gets 100% of liquid product to serve local Merchant Markets

Second contract: Enhanced Gas Recovery scheme in Habshan 2 large air separation units going on-stream at the end of 2010 Capacity of 670,000 standard cubic metres of nitrogen per hour Total investment costs of appx. USD 800 m Engineering

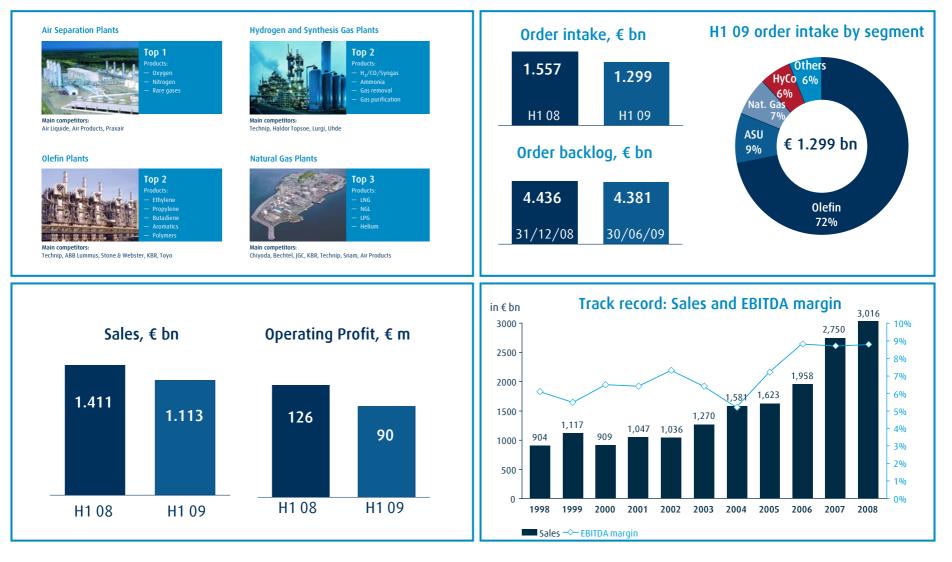
- strong footprint on the Arabian Peninsula:



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





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#### Outlook 2009



#### Economic background:

- Moderate recovery expected in H2, based on stabilisation at the end of H1
- 2009 global economic output to be significantly below 2008

#### Group

- Further recovery in the second half-year compared to the first half as the economic improvement takes hold
- Based on the economic background and the business figures in H1, sales and earnings level as in the record year 2008 no more attainable
- Confirmation of HPO program: € 650-800 m of gross cost savings in 2009-2012

#### Gases

- Better business performance in H2 than in H1 expected as current economic recovery trends take hold
- Positive trend in H2 not sufficient to reach record sales and earnings levels of 2008

#### Engineering

- Sales in 2009 to remain below the high previous year figure
- Target for the operating margin remains at 8 percent

Agenda



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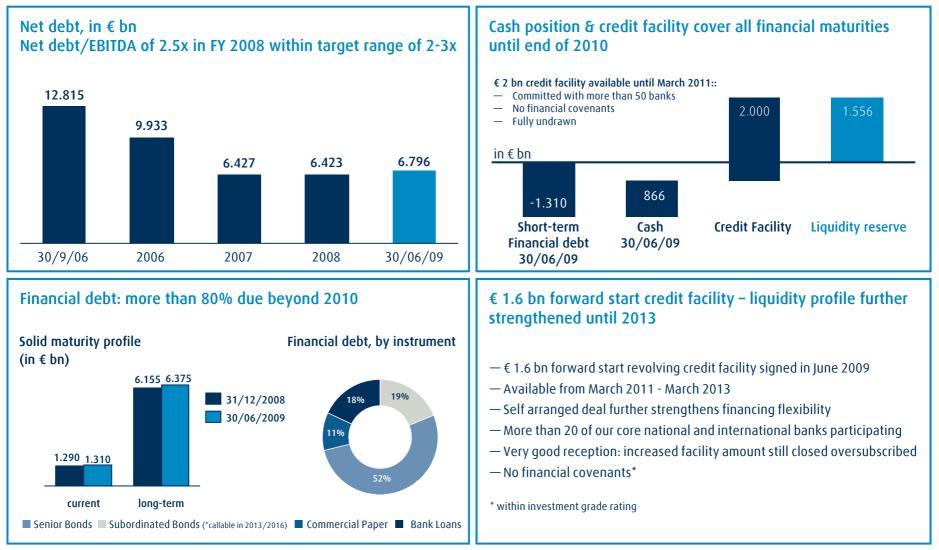
### **Group, cash flow statement** Continued strong cash flow generation



in € million	H1 08	H1 09
Operating Profit	1,258	1,104
Change in Working Capital	-182	10
Other changes	-260	-273
Operating Cash Flow	816	841
Investment in tangibles/intangibles	-569	-543
Acquisitions	-54	-69
Other	199	76
Investment Cash Flow	-424	-536
Free Cash Flow before Financing	392	305

# **Group, financial position** Well spread maturity profile with strong liquidity reserve





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# High Performance Organisation (HPO)

Implementing the next step of our continuous optimisation

**BOC Acquisition** Integration **Synergies HPO** Transformation The Linde Group Direct merger savings **Continuous improvement** Pure play New operating model Process excellence Portfolio One culture Procurement / R&D Productivity optimisation improvement One vision Supply management / Track record in production People excellence efficiency improvement Linde €250 million net 4-year period: THE BOC GROUP 2009-2012 cost savings First full-year €650-800 million contribution in FY 2009 gross cost reduction

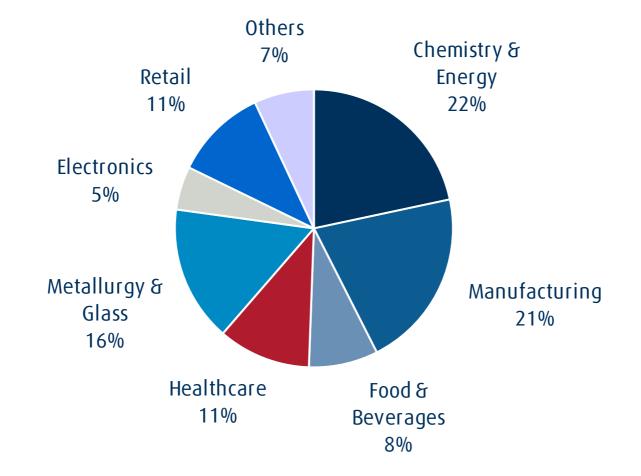
#### Acceleration of HPO: € 200 m gross savings already in 2009

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#### Gases Division, customer industries Stability driven by a broad customer base

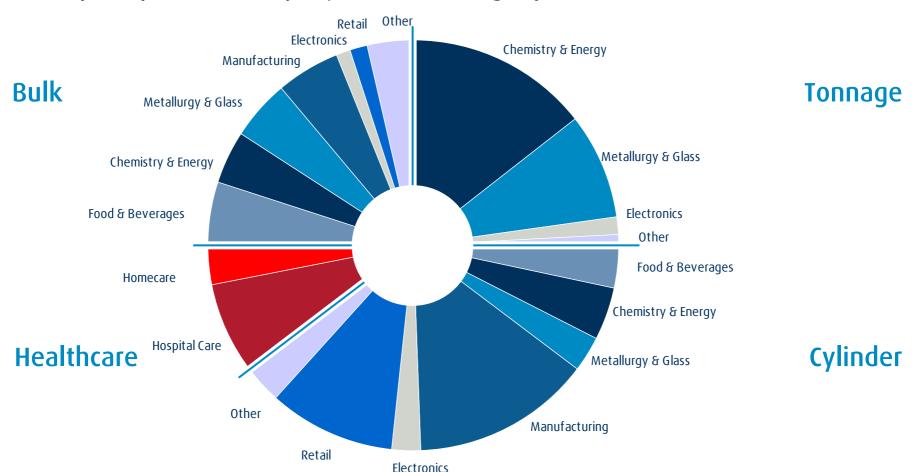


2008: Split by end-customer groups



## **Gases Division, customer industries** Stability driven by a broad customer base





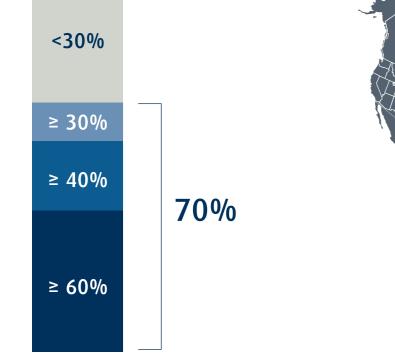
2008: Split of product areas by major end-customer groups



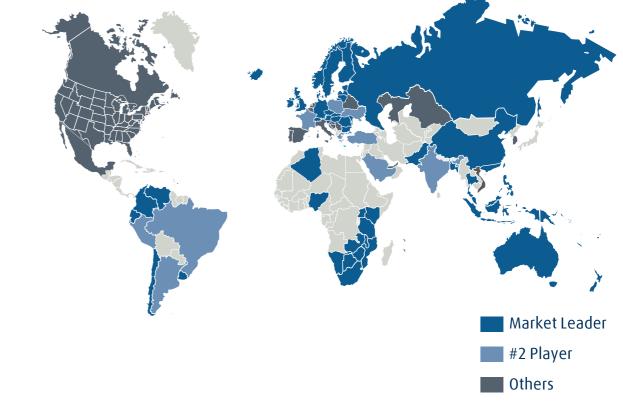
In bulk & cylinder: >70% of revenues from >30% market share positions

Sales split by market shares

€9.5 bn



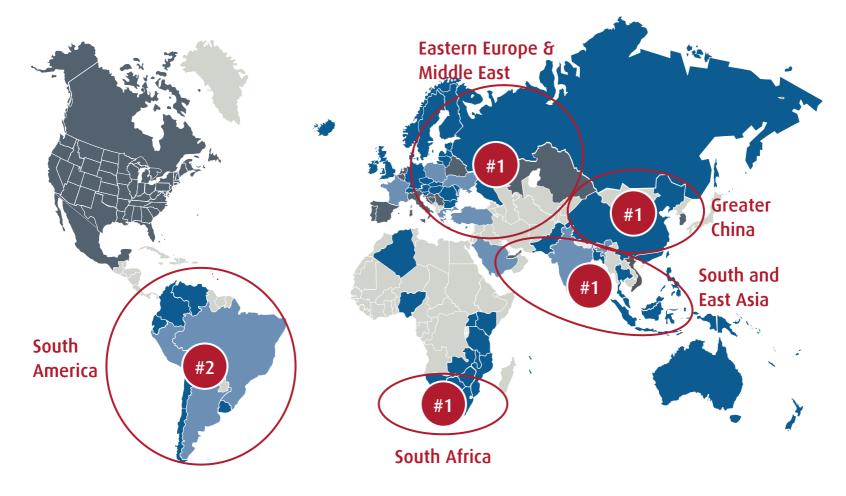
Market leader in 46 of the 70 major countries, #2 Player in another 10



## Gases Division, local business model Strong set-up in emerging markets



Market leader in 4 out of 5 emerging market regions



# **Industrial gases market, consumption by region** Wide diversity between mature and developing markets





Overproportionate growth in emerging markets, driven by increasing standard of living, resources & applications CAGR\* (1999-2006): e.g. Eastern Europe +12%, South & East Asia +11%

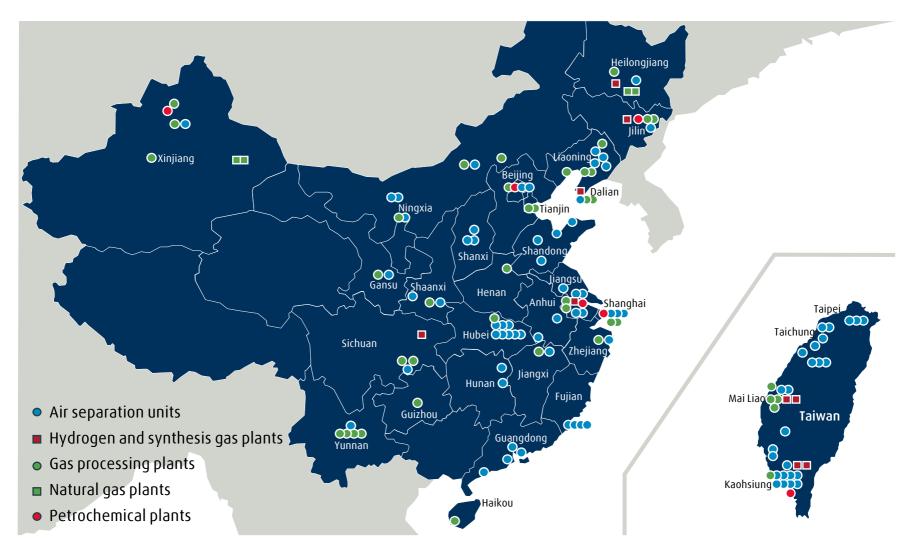
But also ongoing growth in more mature markets driven by continuous flow of new applications CAGR\* (1999-2006): e.g. Western Europe +5%, USA +6%

(\* in local currency)

Source: Spiritus Consulting/Ifo

## **Engineering Division, footprint in China** Strong established customer base





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#### Our Gases & Engineering solutions address structural challenges:

Higher returns on existing fields	-	Enhanced Oil & Gas recovery	Nitrogen/CO <sub>2</sub>			
Sourer crude / lower emissions	•	Refinery fuel upgrades	Hydrogen			
Diversification of energy sources — Natural gas	•	LNG/GTL	Oxygen			
— Cleaner coal	-	Coal gasification/CCS	Oxygen/CO <sub>2</sub>			
 — Renewables	•	Photovoltaics/Biofuels	Electronic Gases/ Specialty Gases/			
Lower energy consumption of industrial processes	•	Oxy-combustion	Nitrogen Oxygen			
Cleaner waters	-	Waste-water treatment	Oxygen			
Long-term potential for our Gases & Engineering portfolio						

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'environmental protection

Limited resources /

# Long term growth drivers remain intact Healthcare Mega-Trend



Global healthcare systems face structural trends:

Increasing consumption of — MORE patients **Hospital Care** traditional healthcare gases (ageing population) New diagnostics f.ex. COPD\*, - HIGHER expectations & therapies (quality of life) Sleep therapy Homecare Improved patient mobility - LESS financial resources Homecare/ **Reduce Hospital time** Middle Care (health budget pressures)

Long-term potential for healthcare gases and related services

\*Chronic Obstructive Pulmonary Disease

#### Summary



#### H1 operational performance relatively stable

Profitability strengthened in difficult market environment, ongoing strong cash flow generation

#### Competitive set-up in an uncertain market environment in 2009

Focus on Gases & Engineering business model, supported by structural mega-trends Financial position: sustainable cash flow generation, long-term financing in place

#### Acceleration into HPO

Performance culture more important than ever: continuous improvement Quickly adapting cost structure to market environment, intensifying durable productivity measures Long-term commitment to profitable growth: manage cost and returns to stay ready for growth Agenda

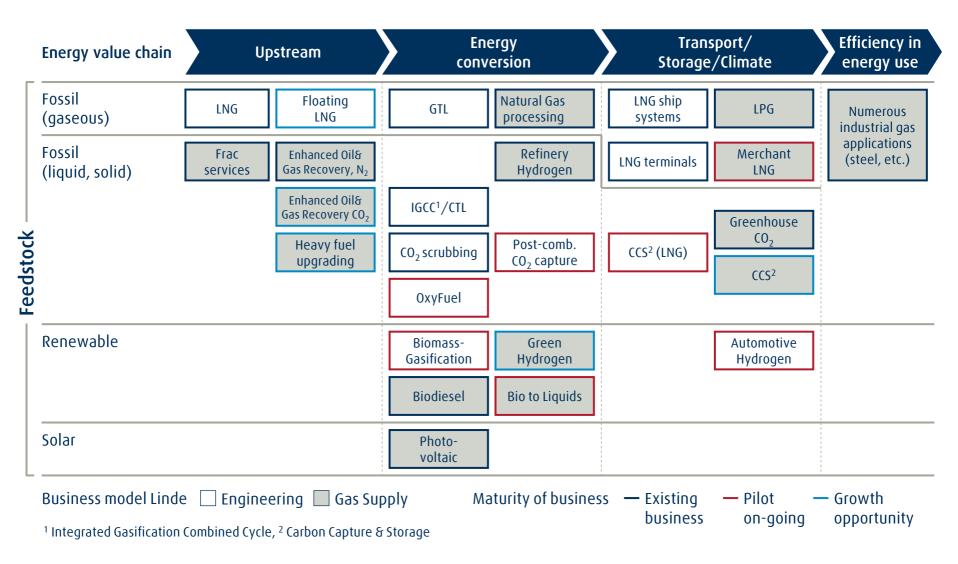


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# **Energy Mega-Trend** Gases & Engineering technology portfolio







in € million	H1 08	H1 09	$\Delta$ in %
Sales	6,256	5,476	-12.5
Operating profit	1,258	1,104	-12.2
Margin	20,1	20,2	+10 bp
Operating profit excluding restructuring charges	1,258	1,171	-6.9
Margin	20,1	21,4	+130 bp
EBIT before special items and PPA depreciation	842	669	-20.5
Special items	59	0	-
PPA depreciation	-185	-146	-
EBIT	716	523	-27.0
Financial Result	-172	-158	
Taxes	142	91	-
Net income – Part of shareholders Linde AG	375	248	-33.9
Net income adjusted – Part of shareholders Linde AG	455	347	-23.7

## **Group Financial Highlights**

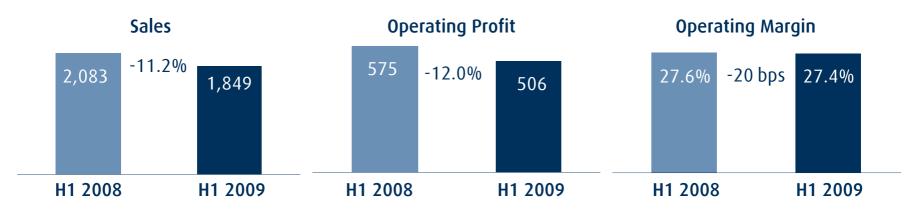


in € million	H1 08	H1 09	$\Delta$ in %
Net income - Part of shareholders Linde AG	375	248	-33.9
+ depreciation/amortisation from purchase price allocation	+185	146	
+ special items	-59	-	
- net of tax	-46	-47	
Adjusted Net Income	455	347	-23.7
- Restructuring costs	-	+67	
+ net of tax	-	-18	
Adjusted Net Income (excl. restructuring costs)	455	396	-13.0
Average outstanding shares	167,136	168,500	
EPS	2.24	1.47	-34.4
Adjusted EPS	2.72	2.06	-24.3
Adjusted EPS excl. restructuring costs	2.72	2.35	-13.6

# Gases Division, operating segments Western Europe



in € million, as reported



- Comparable sales development of -6.0%, continued currency effect from GBP weakness
- No major turnaround in volumes in our major markets, pricing remains supportive
- Sales run rates stable in Q2 from Q1, but base effect in y-o-y comparison
- Ongoing sales growth in healthcare
- Margin stays strong in spite of lower volumes, supported by our HPO measures

## Gases Division, operating segments Americas





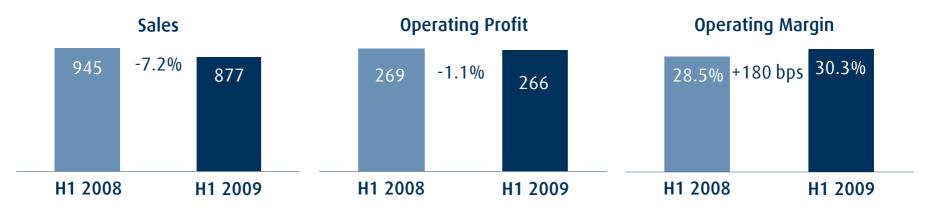
#### in € million, as reported

- Comparable sales development of -8.4%
- Stabilisation but no recovery of sales run-rates in Q2 from Q1
- Volumes remain well below previous year levels in North America, partly offset by pricing
- South America holding up quite well with underlying sales growth in cylinder and healthcare
- Substantial margin improvement supported by early capacity adjustments and HPO initiatives

# **Gases Division, operating segments** Asia & Eastern Europe



in € million, as reported



- Comparable sales development of -7.4%
- First indications of a slight recovery in sales run rates towards the end of H1
- Eastern Europe has stabilised, but IP and hence volumes still well below previous year
- Improving trends in tonnage capacity usage levels, especially in China
- Strong set-up to benefit from a potential upturn in economic conditions
- Margin further up, supported by accelerated productivity measures and JV contribution

# **Gases Division, operating segments** South Pacific & Africa



in € million, as reported

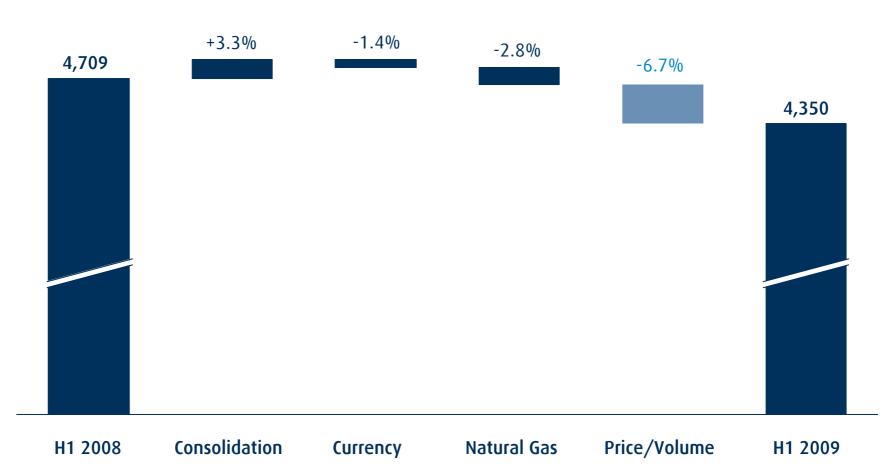


- Comparable sales development of -4.6%
- South Pacific remains robust with relatively modest volume reductions and positive pricing
- South African sales have stabilised, pricing policy holding track with general cost increases
- Good margin performance reflects stable business performance, pricing and cost initiatives

## **Gases Division, sales bridge** Sales -6.7% on comparable basis



in € million



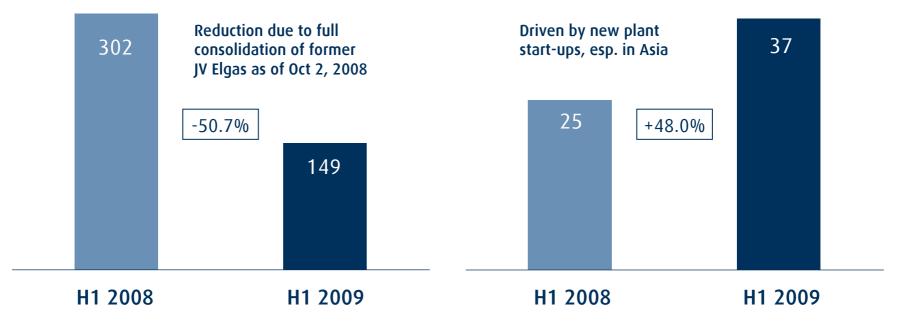
# Gases Division, Joint Ventures Consolidation effect, but strong operational performance



in € million

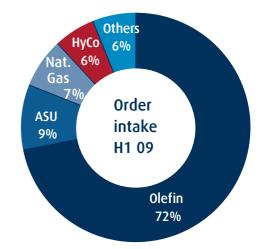
# **Proportionate Sales** (not incl. in the Group top-line)

### **Share of Net Income** (contribution to operating profit)





- Order intake close to strong previous year level: USD 1.075 bn order for new ethane cracker in Abu Dhabi from Borouge JV
- Order backlog of € 4.381 bn (year-end 2008: € 4.436 bn)



in € million	H1 08	H1 09	Δ γογ
Order intake	1,557	1,299	-16.6%
Sales	1,411	1,113	-21.1%
Operating profit*	126	90	-28.6%
Margin	8.9%	8.1%	-80 bps

\*EBITDA before special items and incl. share of net income from associates and joint ventures

# **Group, FY 2008** Key P&L items



in € million	2007	2008	$\Delta$ in %
Sales	12,306	12,663	+2.9
Operating profit	2,424	2,555	+5.4
Margin	19.7%	20.2%	+50bps
EBIT before special items and PPA depreciation	1,591	1,703	+7.0
Special items	607	59	-
PPA depreciation	-446	-371	-
EBIT	1,752	1,391	-
Financial Result	-377	-385	-
Taxes	-379	-230	-
Net income – Part of shareholders Linde AG	952	717	-
Net income adjusted	814	917	+12.7
EPS in €	5.87	4.27	-
EPS in € adjusted	5.02	5.46	+8.8

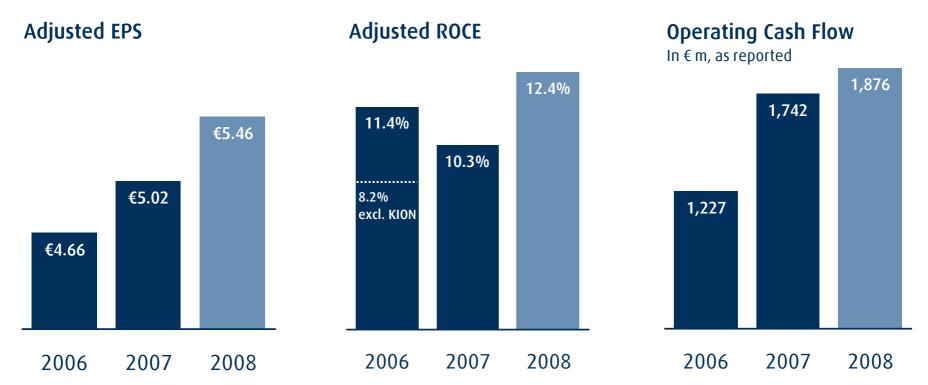
# **Group, FY 2008** Financial key indicators



#### Further improvement in all our three key financial indicators

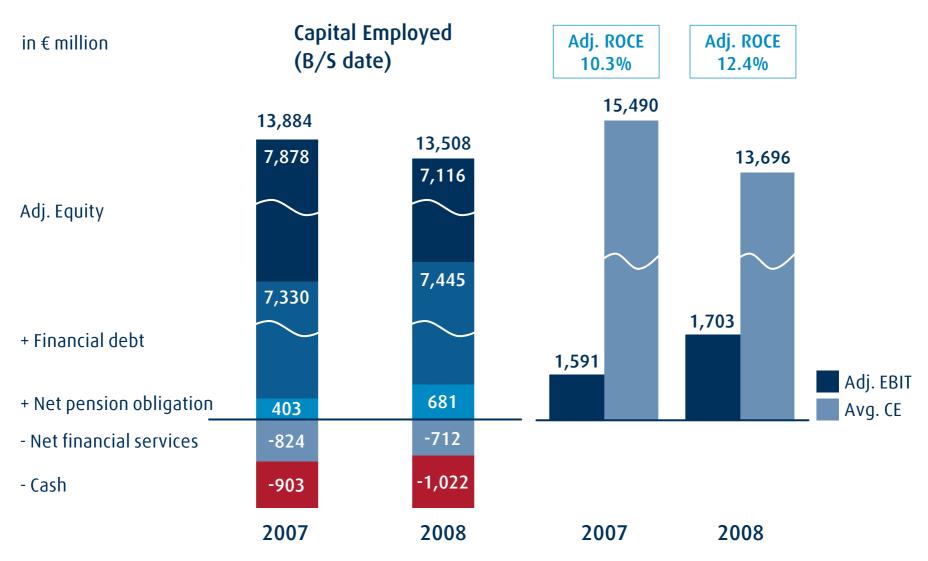
Profitable growth for our shareholders: adjusted EPS increase of 8.8% Further improvement in capital returns: ROCE improvement of 210 bps

Strong cash flow generation maintained in weakening environment: OCF up by 7.7%



## **Group, FY 2008** Adjusted ROCE





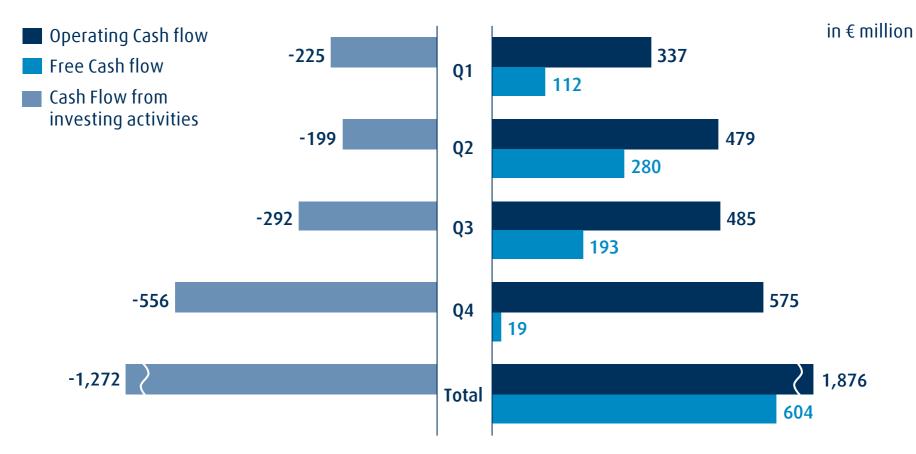
# **Group, FY 2008** Cash flow statement



in € million	Q1/08	Q2/08	Q3/08	Q4/08	2008	2007
Operating Profit	602	656	652	645	2,555	2,424
Change in Working Capital	-199	17	-59	44	-197	-114
Funds from operations	403	673	593	689	2,358	2,310
Paid taxes	-38	-77	-86	-28	-229	-336
Other changes	-28	-117	-22	-86	-253	-232
Operating Cash flow	337	479	485	575	1,876	1,742
Disposals	38	93	0	22	153	3,533
Acquisitions	0	-54	-20	-139	-213	-576
Net investments	-261	-240	-272	-439	-1.212	-871
Investment Cash flow	-223	-201	-292	-556	-1,272	2,086
Free Cashflow before financing	114	278	193	19	604	3,828

# **Group, FY 2008** Free cash flow after investments

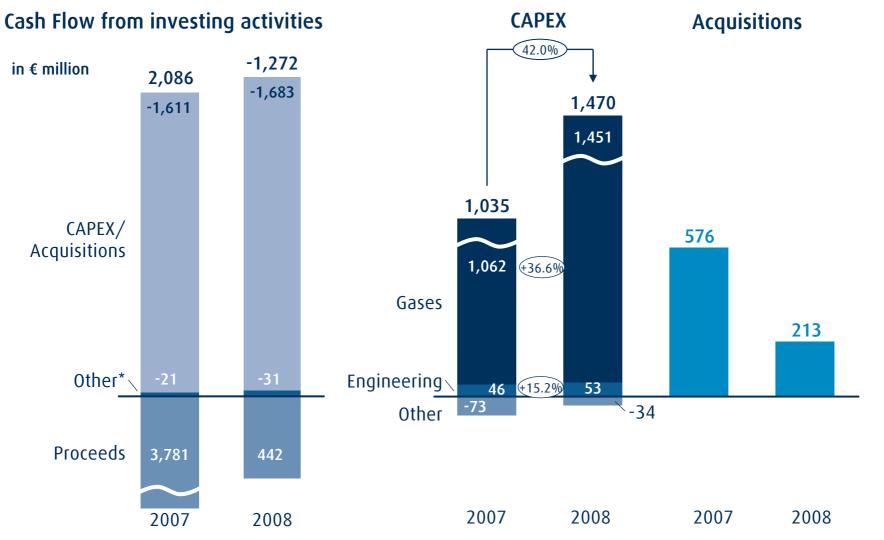




- Strong development of operating CF in Q4
- High investment activities in Q4 for bolt-on acquisiton and on-site projects

# **Group, FY 2008** Capital expenditure and acquisitions

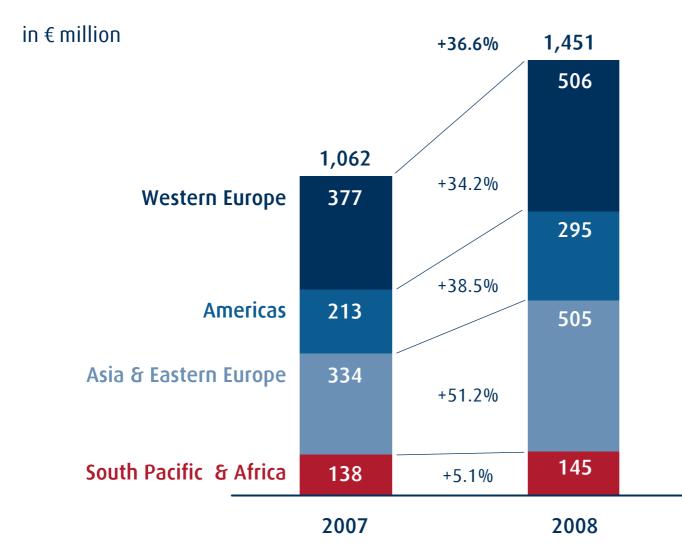




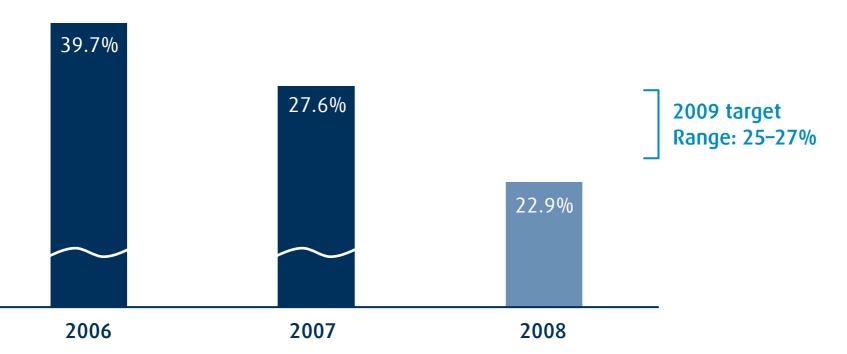
\* Includes payments for investments in current financial assets; and reconciliation of posted capex and the cash out for capex

# **Gases Division, FY 2008** Capital expenditure









- Post-acquisition restructuring fully effective in 2008
- Positive impact of tax rate changes
- Strong performance of the Group in countries with lower tax rates





### Consistent dividend policy: dividend development in line with growth of operating profit



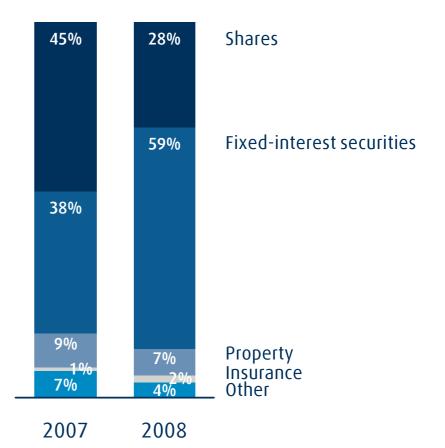
## **Group, FY 2008** Pensions



# Net obligation increases due to actuarial gains/losses

in € million	DBO	Plan asset	Net obligation
01.01.2008	5,152	4,813	339
Service costs	106		106
Net financing	272	296	-24
Actuarial gains/losses	-500	-947	447
Contributions/payments	-242	-25	-217
FX	-714	-701	-13
Other	23	17	6
31.12.2008	4,097	3,453	644

Further actuarial losses of approx. € 400 m avoided due to early optimization of the plan assets portfolio structure

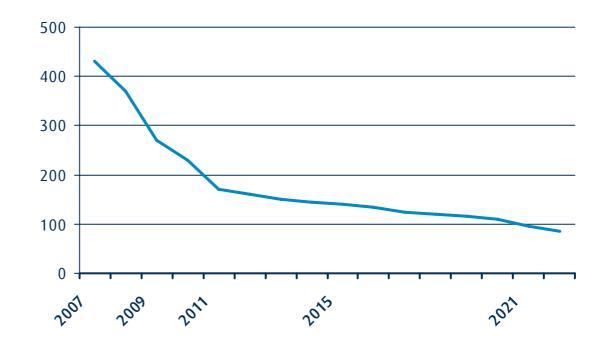


# **Group, Purchase Price Allocation** Expected depreciation & amortisation



## Development of depreciation and amortisation (in € million) Impact in 2008: € 371 million

Expected range			
2009	> 275 - 325		
2010	> 200 - 250		
2011	> 175 - 225		
2022	< 100		



# Accounting considerations Impact of PPA and EFL

### Purchase Price Allocation (PPA)

**Impact in H1 2009: € 146 m (H1 08: € 185 m)** Expected impact FY 2009: € 275-325 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 2009: € -63 m (H1 08: € -64 m) Expected impact\* FY 2009: €-118 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

# **Group** Definition of financial key indicators



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

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