

Global Chemical Industry Leaders Conference Venice, 21/22 March 2013

# Determination.

LeadIng.

THE LINDE GROUP

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

## Appendix

# **Performance – 2012** Profitable growth.



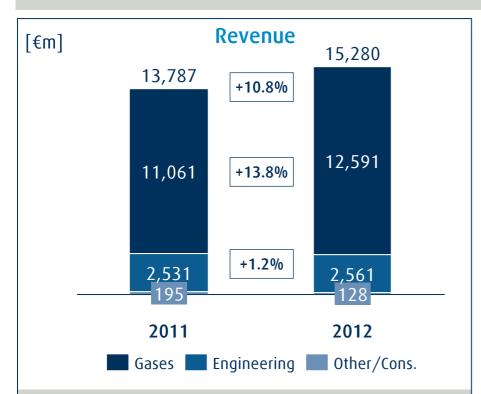
		2012	2011	yoy in %
Revenue	[€m]	15,280	13,787	+10.8%
Operating Profit*	[€m]	3,530	3,210	+10.0%
Operating Margin	[€m]	23.1%	23.3%	- 20bp
Operating Cash Flow	[€m]	2,522	2,426	+4.0%
EPS reported	[€]	7.03	6.88	+2.2%

Solid growth realised despite the unfavourable macro-economic environment

- Growth supported by acquisitions in Healthcare
- EPS-development impacted by one-time and additional PPA charges

# **Group, revenue and operating profit by divisions** Acceleration of growth in Q4 2012





- Comparable growth\* in Gases has accelerated in Q4 and reached 3.8% for the full year despite several plant shut downs
- In Engineering natural gas plants showed the highest growth rates driven by US-shale gas and increased LNG-activities

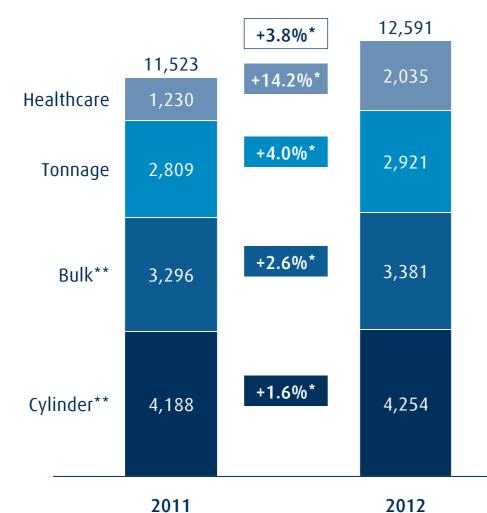


- In Gases up-front investments in Asia additionally impacted the operating margin
- Due to successful execution of individual projects the Engineering operating margin peaked

# **Gases Division, revenue by product areas** Solid performance in a challenging environment



[€m], comparable\* (consolidated)



## Healthcare

Including  $\in$  630 m of Lincare, the growth rate is 65.4% in Healthcare

## Tonnage

Adjusted for the negative impacts from plant shut downs comparable growth would be 6.1%, including joint ventures 7.1%

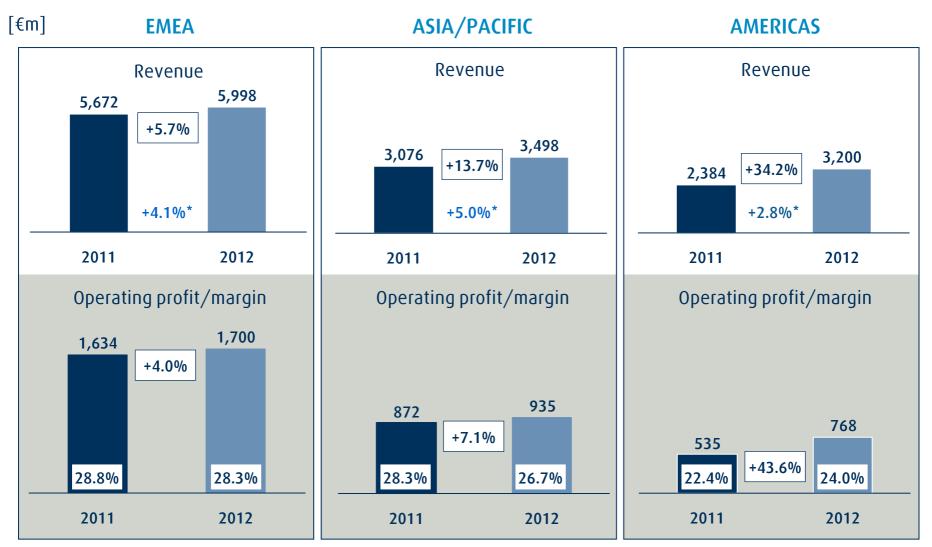
## Bulk & Cylinder

Softer volume development in the first nine months but improvement visible in Q4

#### \*excluding currency, natural gas price effect and Lincare

# Gases Division, revenue and operating profit by operating segment Growth continued

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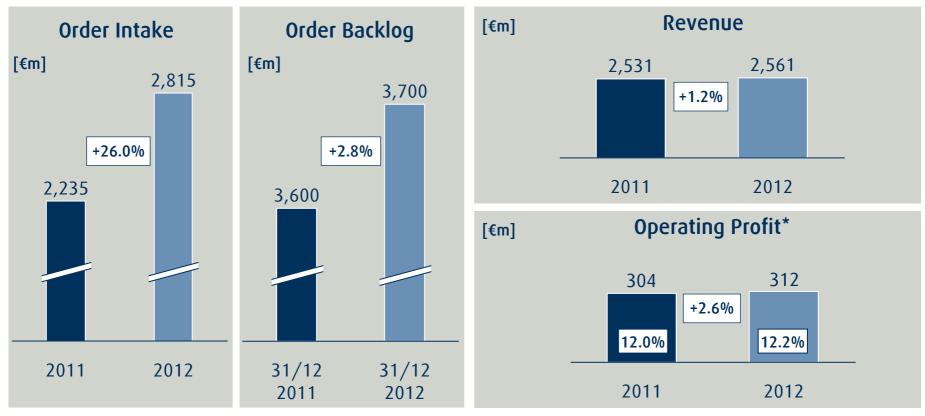


\*excluding currency, natural gas price effect and Lincare

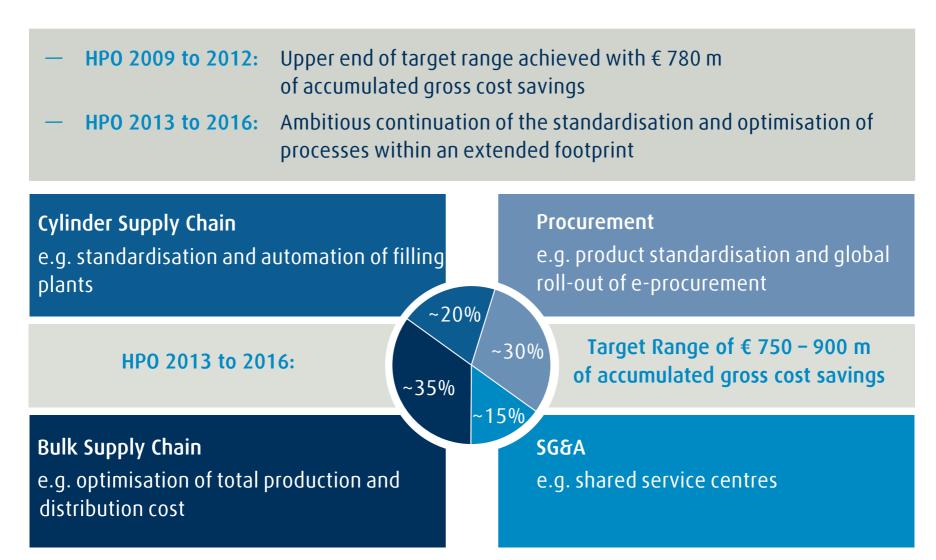
# **Engineering Division, key figures** Record operating profit



- Order intake of around USD 600 m for equipment/gas processing plants for shale gas
- More than 35% of order intake from Asia/Pacific
- Project wins in Tonnage supported order intake and prove the synergetic set-up of Gases and Engineering



\*EBITDA incl. share of profit or loss from associates and joint ventures



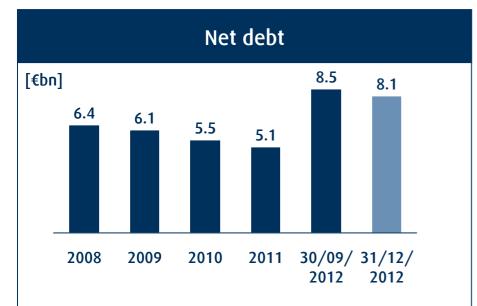
HPO 2013 – 2016: € 750 – 900 m additional gross cost savings

**Business Performance** 

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# **Group, solid financial position** A year of significant investments





- Large-scale acquisitions driver for increase in net debt position
- Financing at very low interest rates with tight credit spreads on a long-term basis
- Almost 90% of total financial debt is due beyond 2013 and approx. 50% has a longer maturity than 5 years



- Deleveraging process already started in Q4 2012
- Credit Ratings
  - S&P's: A/A-1 with stable outlook\*
  - Moody's: A3/P-2 with stable outlook\*\*

\* date of latest rating agency publication: 02 November 2012 \*\*date of latest rating agency publication: 16 November 2012

# **Group, dividends** Proposed dividend increase by 8% to € 2.70





\* comparable change: prior year figures including twelve months of BOC

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## Appendix

# **Mega-trends** Leveraging growth with our Gases & Engineering set-up





# Mega-trend Growth Markets Strong investments in future growth







# Mega-trend Growth Markets Growth Market leader



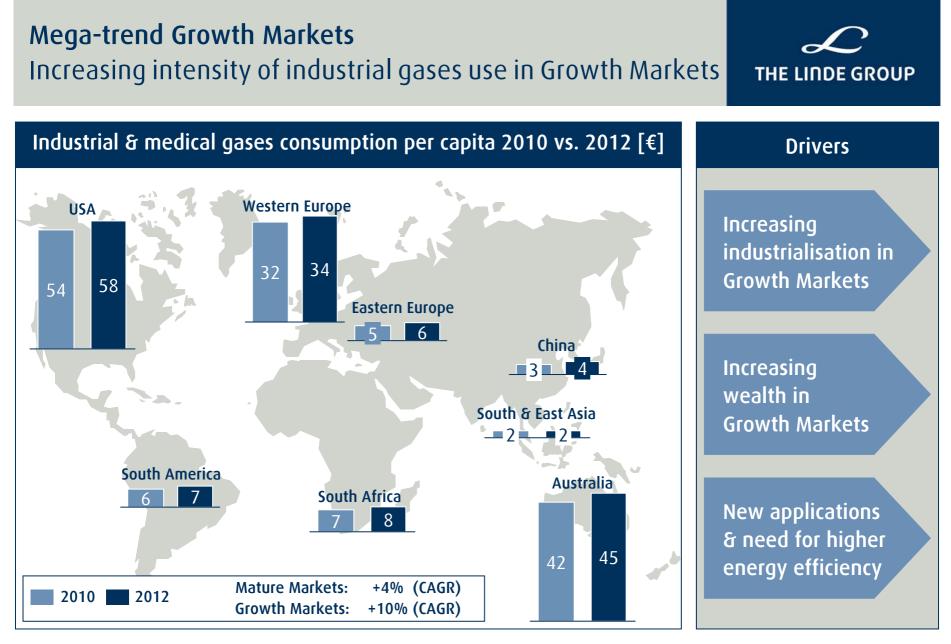


#### Market size Growth Markets\*

				South Africa	
€ 6 bn	€ 4 bn	€ 2 bn	€ 2 bn	€ 0.5 bn	
€ 16 bn	€ 10 bn	€ 5 bn	€ 5 bn	€ 1 bn	
13%	12%	12%	12%	9%	
	China €6bn €16bn	ChinaEast Asia€ 6 bn€ 4 bn€ 16 bn€ 10 bn	ChinaEast AsiaEurope€ 6 bn€ 4 bn€ 2 bn€ 16 bn€ 10 bn€ 5 bn	Greater ChinaSouth& East AsiaEastern EuropeSouth America€ 6 bn€ 4 bn€ 2 bn€ 2 bn€ 16 bn€ 10 bn€ 5 bn€ 5 bn13%12%12%12%	



\*Source: Linde data, figures for industrial gases only, excl. Japan, equipment and major impacts out of future growth markets of the energy/environment sector



Source: United Nations Population Division, Linde data, figures excl. Japan, equipment

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

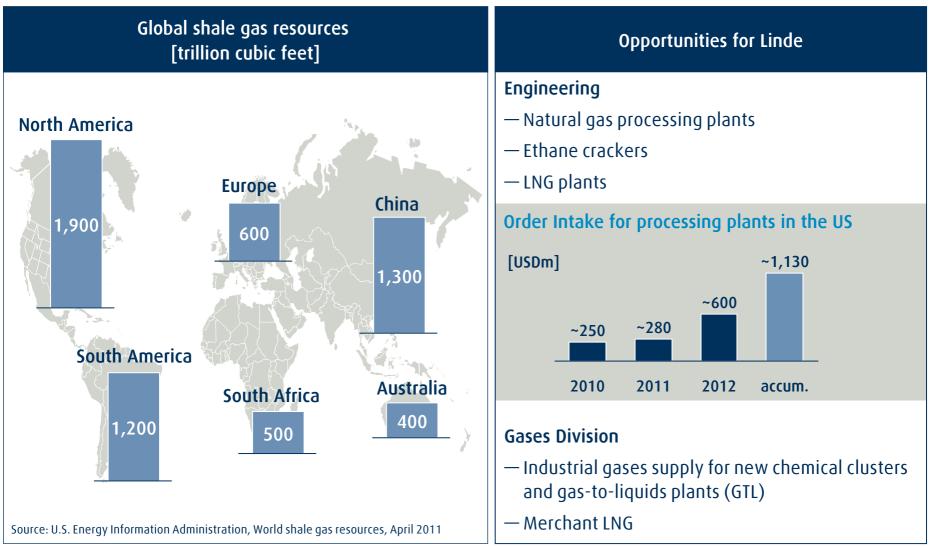
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(Please find assumptions for estimates on page 46)

# Mega-trend Energy/Environment Opportunities resulting from shale gas





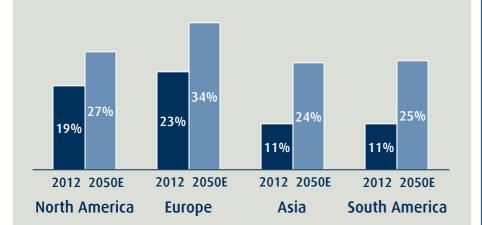
# Mega-trend Healthcare Attractive environment for growth



#### Market drivers

- Growing and ageing population
- High portion of untreated patients
- Increasing chronic diseases like sleep apnea and COPD
- Increasing wealth in Growth Markets
- Increasing demand for offerings that reduce healthcare costs overall

Percentage of population over the age of 60 years\*



#### Healthcare market 2012 vs. 2020 [€bn\*\*]



#### Linde Healthcare set-up 2012

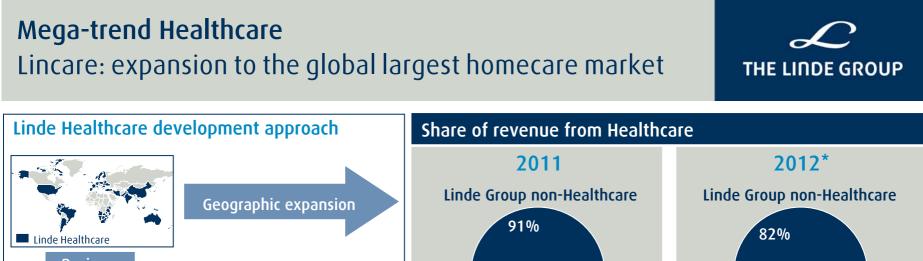
- No.1 position, with revenue of around € 3 bn (incl. Lincare 2012 proforma figures)
- Active in 55 countries

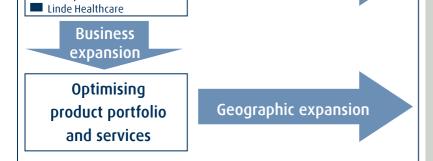
#### Product & Service offering

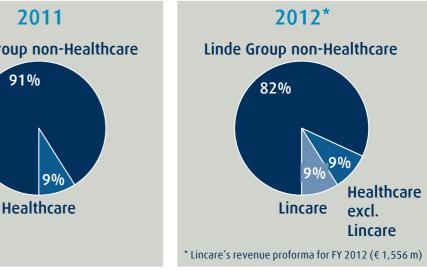
- Gas supply & gas therapies
- Sleep & pain therapies
- REMEO: treatment and care of chronic patients
- Adjacent supplies and services

#### \*\*Source: Linde data

\*Source: UNDESA, Population Division 2012







### Homecare

Leading provider in respiratory Homecare with 1.3 m individual patients
 Similar product & service offerings for patients in all homecare markets
 Cost leader and market leader in the consolidating US-market
 Excellent patients access with nation wide coverage
 Preferred environment for patients with a favourable cost structure (compared to hospitals)

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# **Gases Division, project pipeline & market opportunities** Strong project pipeline



Amount of committed projects by on-stream date [€m]



- Around € 2.5 bn of investments are scheduled to come on-stream in 2013-2016
- Around 70% of 2013-2016 project amounts are allocated to Growth Markets
- Project pipeline further increased by € 350 m

Development of market opportunities (12 months forward)

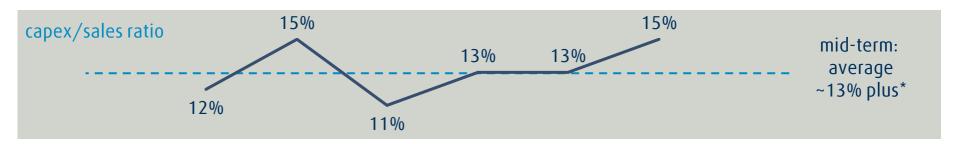
#### [€bn]

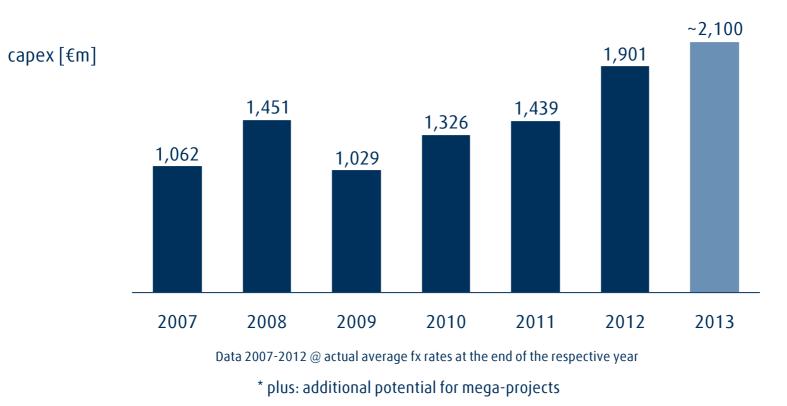


- Level of market opportunities stabilising on a high level
- High share of opportunities in Growth Markets
- Increasing activity in the area Energy/Environment

# Gases, capex Development capex/sales ratio 2007-2012







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# **Outlook\*** Determination.



2013								
Revenue		Further increase vs. 2012						
Operating Profit**		At least 4 billion Eu	At least 4 billion Euro					
Gases Division		Revenue and opera	Revenue and operating profit increase vs. 2012					
Engineering Division		Revenue at 2012 level & operating margin of around 10%						
Mid-term targets								
		2012		2016				
Operating Profit**	[€]	3,530 m		At least 5 bn				
ROCE adjusted**		11.5% ~1						
ROCE		10.0%						
HPO 4yrs programme	[€m]	780 750-900						

\*Based on current macro-economic forecasts and exchange rates

# Fascinating Gases Linde – Investment Highlights





LeadIng Gases and Engineering company Market leader in 4 out 5 Growth Markets Global market leader in Bulk and Cylinder Global leading respiratory healthcare company

#### Superior growth opportunities



High share of revenues from and strong investment in Growth Markets Strong engineering expertise and technology portfolio in Energy/Environment Growing and ageing population drives respiratory healthcare growth



Resilient business model with sustainable growth Broad revenue spread across all sizes of customers & industries in around 100 countries Long-term take or pay contracts in Tonnage Increased share of revenues from healthcare markets



Clear targets and determination to deliver Setting of ambitious mid-term targets Solid financial position Track record to deliver

# Agenda

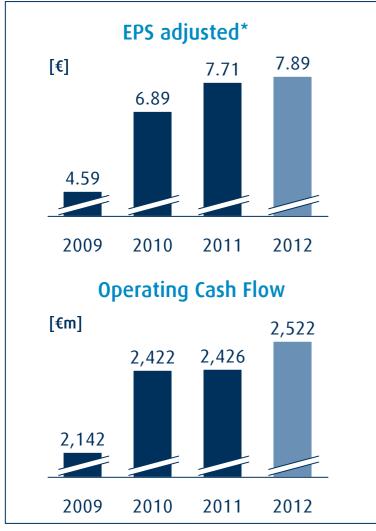


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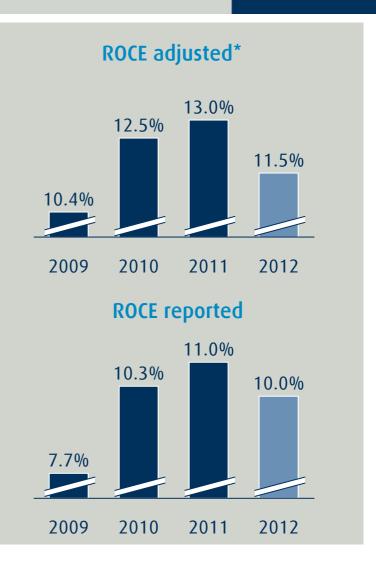
## Appendix

# **Group, financial key indicators** Continuous EPS-growth



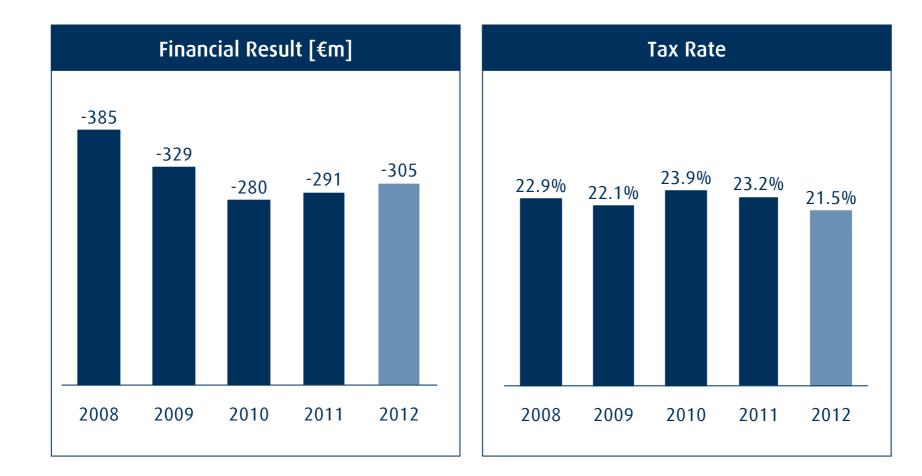


\*(please see definitions on page 42) EPS is only adjusted for the PPA of BOC. 2012 is not adjusted for the PPA-effect of the Homecare acquisitions (€51m) and is not adjusted for impairment impacts (€46m)



# Group, financial result and tax rate





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# **Group, FY 2012** Key P&L items



[€m]	2011	2012	Δ in %
Revenue	13,787	15,280	10.8
Operating profit	3,210	3,530	10.0
Margin	23.3%	23.1%	-20 bp
EBIT before PPA depreciation (BOC only)*	2,152	2,230	3.6
PPA depreciation (BOC only)	-242	-238	1.7
EBIT	1,910	1,992	4.3
Financial result	-291	-305	-4.8
Taxes	-375	-363	3.2
Profit for the year	1,244	1,324	6.4
Profit for the year (attributable to Linde AG shareholders)	1,174	1,250	6.5
EPS [€]	6.88	7.03	2.2
EPS adjusted [€]	7.71	7.89	2.3



[€m]	Q1 12	Q2 12	Q3 12	Q4 12	2012	2011
Operating profit	808	847	908	967	3,530	3,210
Change in working capital	-318	-101	-42	163	-298	-75
Other changes	-105	-262	-229	-114	-710	-709
Operating cash flow	385	484	637	1,016	2,522	2,426
Investments in tangibles/intangibles	-321	-384	-452	-631	-1,788	-1,376
Acquisitions		-627	-2,355	-15	-2,997	-28
Other (incl. financial investments)	40	-4	56	30	122	119
Investment cash flow	-281	-1,015*	-2,751*	-616*	-4,663*	-1,285*
Free cash flow before financing	104	-531	-2,114	400	-2,141	1,141
Interests and swaps, dividends	-71	-589	-140	-53	-853	-726
Capital increase	0	0	1,391	0	1,391	0
Other changes	-30	41	-463	-9	-461	14
Net debt increase (+)/decrease (-)	-3	1,079	1,326	-338	2,064	-429

\*Excluding investments in/disposals of securities; 2012: €+850 m (Q2 €+553 m, Q3 €+298 m, Q4 €-1 m); 2011: €-1,652 m

# **Group, solid financial position** Conservative financing strategy

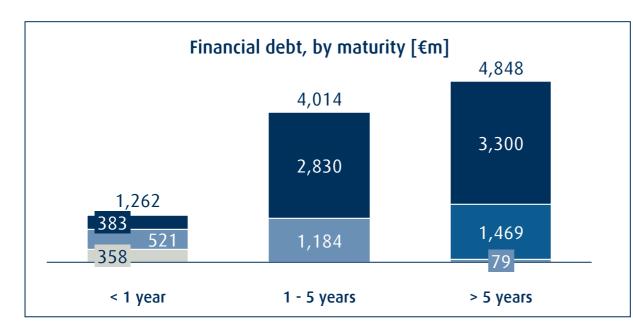
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#### Long-dated maturity profile further extended

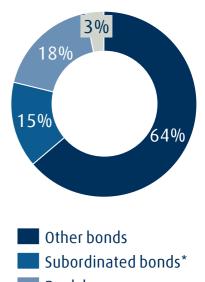
- Two Eurobond issues in 2012 at 1.75% with tenors of 7 and 8 years
- Almost 90% of total financial debt is due beyond 2013
- Approx. 50% of total financial debt has a longer maturity than 5 years

#### Excellent access to capital markets

 Strong investor demand for highly rated issuers with stable and international business profile



## Financial debt, by instrument





\* callable in 2013/2016

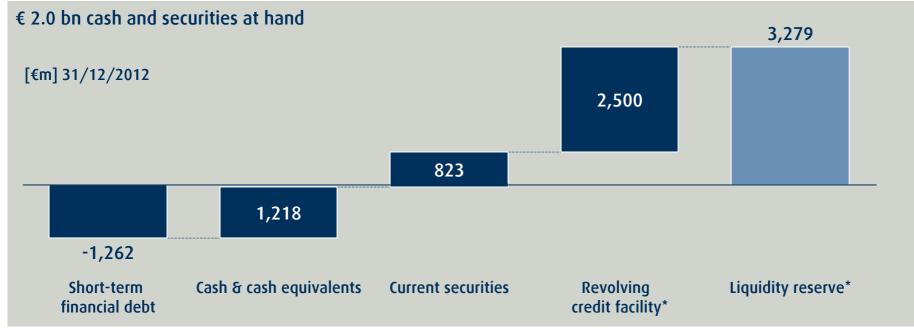
# **Group, solid financial position** Liquidity position remains strong



- € 2.5 bn committed revolving credit facility
- Arranged with 25 national and international banks
- Maturing in 2015
- No financial covenants
- Fully undrawn

### **Central liquidity position**

- Very conservative investment guidelines
- Securities at holding level fully invested in AAA government bonds



\* Not taking € 275 m ECP backup into consideration

# **Group, pensions** Performance and key figures

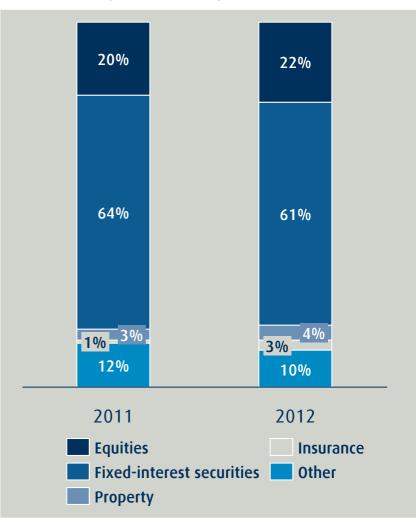


Net obligation

[€m]			
	DBO	Plan asset	Net obligation
01/01/2012	5,401	4,842	559
Service costs	96		96
Net financing	254	240	14
Actuarial losses/gains	382	83	299
Contributions/payments	-253	-93	-160
Other	57	61	-4
31/12/2012	5,937	5,133	804*

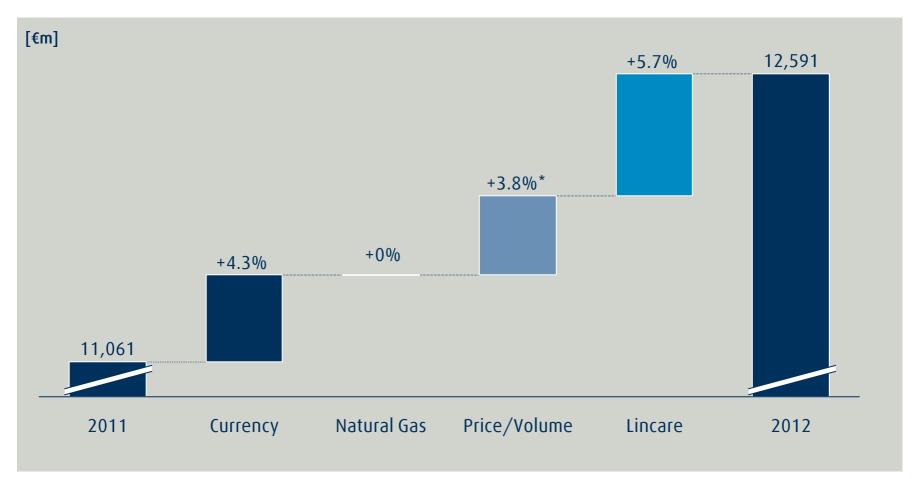
\* Figure does not include effects from asset ceiling and provisions for similar obligations

### Pension plan assets portfolio structure



# **Gases Division, sales bridge** Price/volume increase of 3.8%





\*including € 195 m changes in consolidation

# Gases Division, operating segments Quarterly data



[€m]

EMEA	Q1 2011	Q1 2012	Q2 2011	Q2 2012	Q3 2011	Q3 2012	Q4 2011	Q4 2012
Revenue	1,393	1,445	1,431	1,499	1,434	1,528	1,414	1,526
Operating profit*	395	414	412	420	408	431	419	435
Operating margin	28.4%	28.7%	28.8%	28.0%	28.5%	28.2%	29.6%	28.5%
Asia/Pacific	Q1 2011	Q1 2012	Q2 2011	Q2 2012	Q3 2011	Q3 2012	Q4 2011	Q4 2012
Revenue	707	808	766	866	810	937	793	887
Operating profit*	196	218	210	235	228	244	238	238
Operating margin	27.7%	27.0%	27.4%	27.1%	28.1%	26.0%	30.0%	26.8%
Americas	Q1 2011	Q1 2012	Q2 2011	Q2 2012	Q3 2011	Q3 2012	Q4 2011	Q4 2012
Revenue	580	625	593	636	605	889	606	1,050
Operating profit*	136	152	134	160	135	210	130	246
Operating margin	23.4%	24.3%	22.6%	25.2%	22.3%	23.6%	21.5%	23.4%

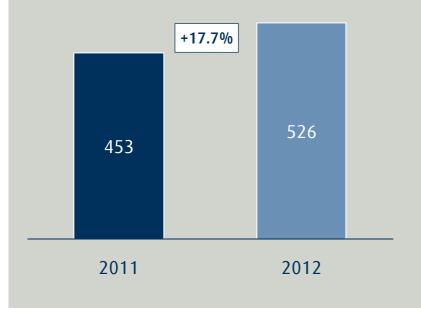
\*EBITDA incl. share of profit or loss from associates and joint ventures

# Gases Division Joint ventures

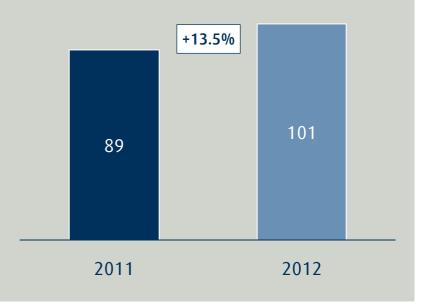


## [€m]

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

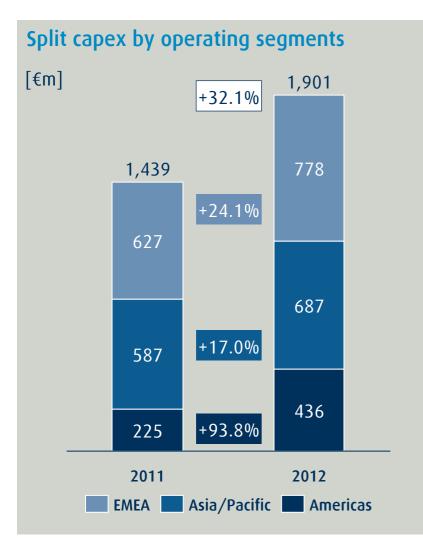


## **Share of Net Income** (contribution to Operating Profit)



# **Gases Division, split of capex** High level of investment in future growth

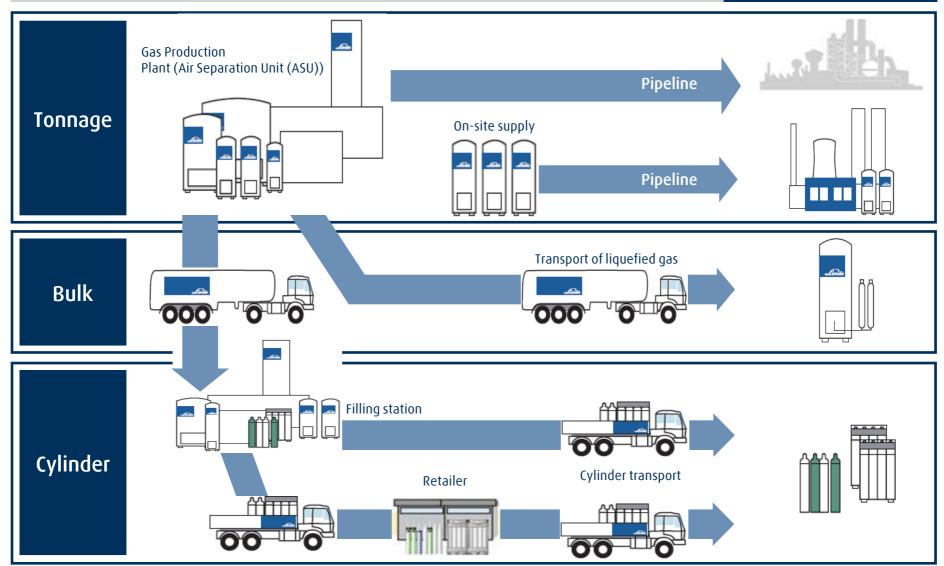




- The overall gases capex is used for the expansion of Tonnage
- EMEA: part of the increase of capex from
   2011 to 2012 was used for Healthcare
- In Asia/Pacific most of the capex was allocated to the expansion of Tonnage
- € 361 m was invested in the growth region of Greater China
- In Americas the focus of investments was in the field of merchant business

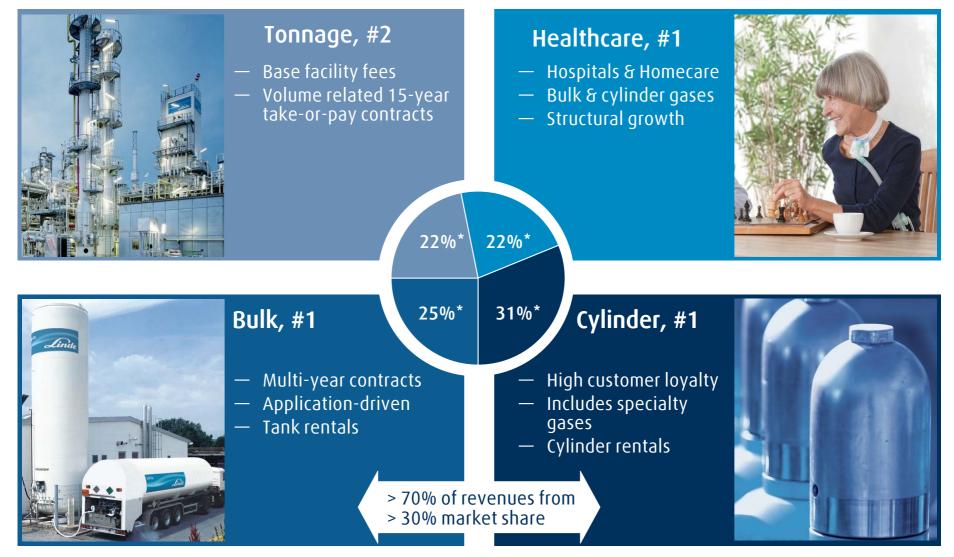
### Gases division Distribution ways





# Gases Division, sales 2012 Various distribution mix served from one product source

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\* including Lincare pro forma figures 2012 with a full year contribution of € 1,556 m

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





Hospitals Chemistry & Energy 22% Healthcare Home Metallurgy & Glass Healthcare Tonnage Electronics **Chemistry & Energy** 19% 22%\* 22%\* **Other** Other Food & Beverage 17% Manufacturing Cylinder Bulk Retail Chemistry & Energy 31%\* 25%\* 13% **Metallurgy & Glass** Metallurgy & Glass Electronics 10% Retail Manufacturing 8% Food & Beverages Manufacturing Electronics Retail **Electronics** 5% Metallurgy & Glass Other **Other** 6% Chemistry & Energy Food & Beverage

2012: Split of sales by major end-customer groups\*

\* including Lincare pro forma figures 2012 with a full year contribution of  $\notin$  1,556 m

# Application engineering Creating customer loyalty



#### Provision of value-added customer services and solutions around gases

- Continuous development of new and improvement of existing applications
- Positioning as an expert in the field of services and customer solutions
- Customer-orientated offering of adjacent products and services



#### Welding

- Development of welding solutions
- Supply of welding masks and further protective equipment
- Welding centers for training and education
- Consulting of customers for improving processes

#### Healthcare

- Development of oxygen therapies
- Monitoring of oxygen pressure, flow, etc.
- Supply of oxygen masks and further equipment
- Relationship management with therapists and physicians guaranteeing best healthcare provision
- Offering trainings and education to patients for a more independent life

# **Engineering Division** Truely global set-up with a broad range of technologies



#### **INTERNAL USE & SALES TO EXTERNAL PARTIES**



#### AIR SEPARATION PLANTS

for production of oxygen, nitrogen, argon & rare gases



#### SALES TO EXTERNAL PARTIES

#### **NATURAL GAS PLANTS**

for purification, fractionation & conditioning of gas mixtures, recovery, liquefaction & storage of natural gas



#### HYDROGEN & SYNTHESIS GAS PLANTS

for production of hydrogen, carbon monoxide, ammonia & methanol



#### **PETROCHEMICAL PLANTS**

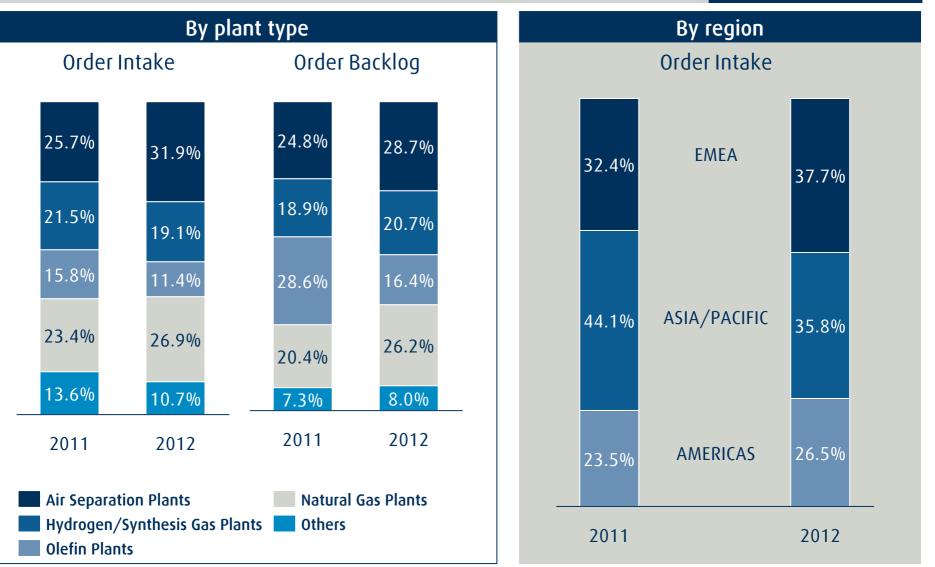
for production & recovery of olefins, acetylene, butadiene, aromatics, poly- & alpha-olefins, polyethylene & polypropylene



- More than 6,300 employees in a truely global set-up
- Provides in-depths application know-how
- Leveraging existing customer relations
- Supports Energy/Environment mega-trend
- Provides cost & energy efficient plants

## **Engineering Division** FY 2012 order intake and order backlog





## Mega-trend Growth Markets – China

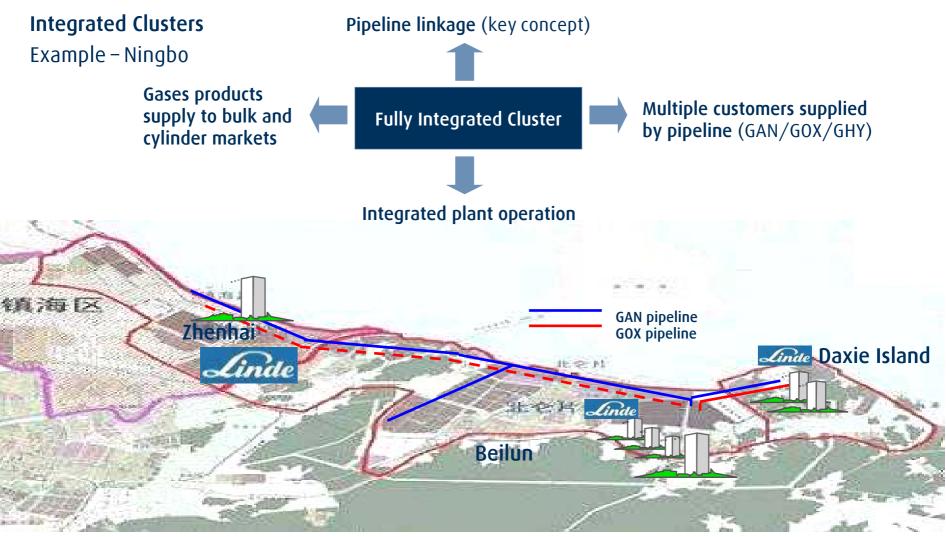
A diverse customer portfolio to match an integrated business





## Mega-trend Growth Markets – China Integrated offer in selected industrial poles





# **Mega-trend Energy/Environment** Clean Energy market estimation 2020 & 2030



Market size [€bn]	2020E	2030E	Assumptions for 2030
Clean Coal & Gas	2-3	15 - 35	<ul> <li>250 projects in commercial phase in 2018 - 2030</li> <li>0.5-0.9 Gt at €30-40 per ton CO<sub>2</sub></li> <li>Incl. industrial CO<sub>2</sub> capture &amp; handling of pipeline CO<sub>2</sub></li> <li>Commercial demonstration until 2018</li> </ul>
LNG	6 - 10	15 - 30	<ul> <li>Use case specific projection of conversion rate for truck, marine, oil &amp; gas industrial and power use of LNG (substitution of liquid fuels like diesel and propane)</li> <li>Not included: Chinese market potentially applicable to internat. players</li> </ul>
EOR/EGR*	4 - 5	12 - 25	<ul> <li>100 CO<sub>2</sub> projects in commercial phase in 2018 - 2030 (also incl. in clean coal &amp; gas)</li> <li>150 N<sub>2</sub> projects in commercial phase in 2018 - 2030</li> <li>Bottom-up planning of projects until 2018</li> </ul>
$\mathbf{H}_{2} \text{ fueling}$	1	5 - 10	<ul> <li>Ramp up of serial fuel cell cars and corresponding H<sub>2</sub>-infrastructure following OEM projections</li> <li>Specific H<sub>2</sub>-consumption around 1kg/100 km, i.e. 100-150kg/year &amp; car</li> </ul>
GTL	1.5 - 2	3.5	<ul> <li>Installation of 4-6 large scale GTL-plants based on cheap available natural gas e.g. from unconventional reserves</li> </ul>
Renewables	1	2	<ul> <li>Includes gases used for manufacturing of photovoltaic cells</li> <li>Biomass gasification and liquefaction</li> </ul>
Range	15 - 20	50 - 100	* 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 revenue)

### Mega-trend Healthcare Lincare acquisition: value creation

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# Linde

- 500,000 patients
- #1 in South America
- #2 in Europe
- Limited footprint in North America
- Oxygen therapy
  - Sleep Apnea
  - Ventilation services
  - Nutrition, infusion

Competencies

Profile

Products &

Services

Revenue Cost synergies

Я

- Performance focus
- Strong background in hospital care & gas therapies
- Innovation pipeline

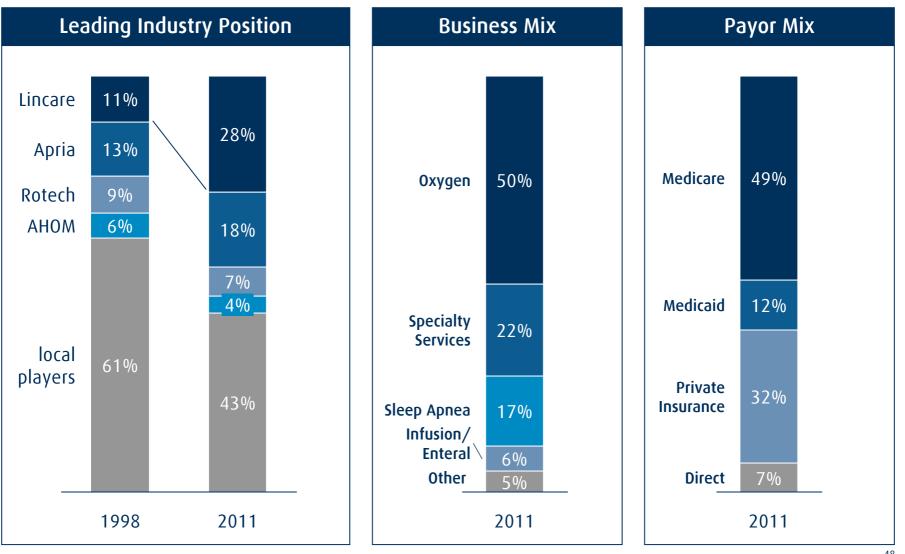
- 800,000 patients Industry leader in US

Lincare

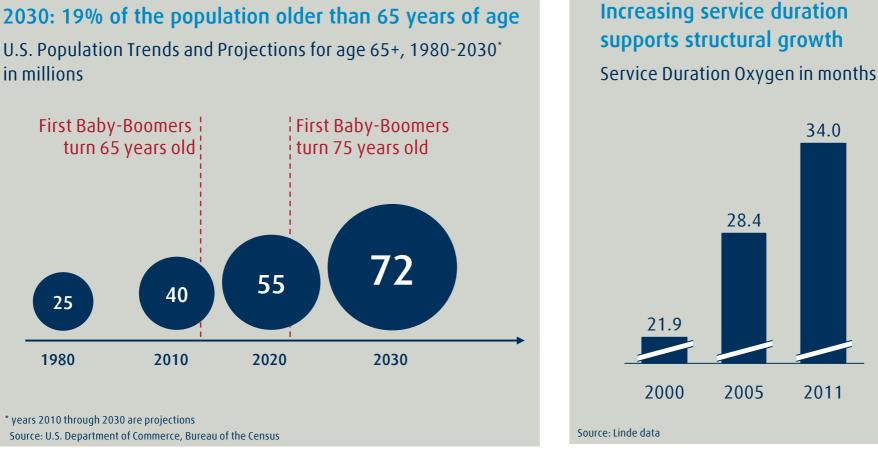
- Oxygen therapy
- Sleep Apnea
- Nutrition, Infusion, other homecare services
- Pulmonary rehab, specialty services
- Performance focus
- **Operational excellence**
- Acquisition integration
- Competitive bidding

# **Mega-trend Healthcare** Lincare – Industry leader with balanced business & payor mix

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Source: Linde data



**Mega-trend Healthcare** Lincare – Ageing population & service duration in the US

#### The average oxygen patient is 75 years of age

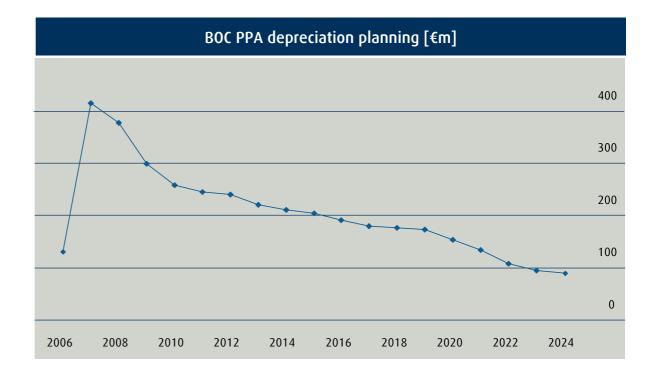


#### **Group** BOC PPA – Expected depreciation & amortisation



- Development of depreciation and amortisation
- Impact in 2012: € 238 million
- Expected range adjusted due to exchange rate effects

Expected range [€m]			
2013	215 - 225		
2014	200 - 220		
2022	< 125		



# Group, definition of financial key figures



Operating Profit	Return	EBITDA (incl. IFRIC 4 adjustment) 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 finance leases + net pension obligations - cash, cash equivalents and securities - receivables from finance leases
adjusted EPS	Return	Profit for the year (attributable to Linde AG shareholders) + depreciation/amortization from purchase price allocation* +/- special items
	Shares	Weighted average outstanding shares

\*adjustment for the effects of the purchase price allocation on the acquisition of BOC only

#### **Investor Relations**



#### Contact

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#### Financial calendar

Q1 report 2013: 06 May 2013
Annual General Meeting: 29 May 2013
6M report 2013: 30 July 2013
9M report 2013: 29 October 2013