

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.



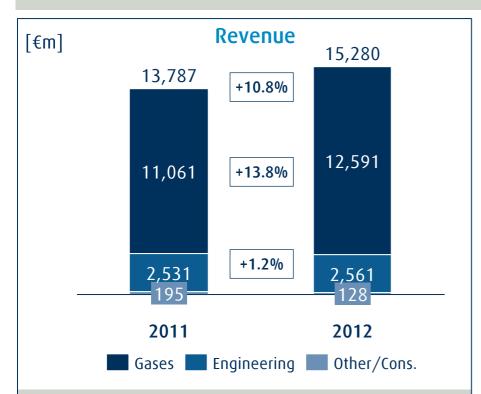
		2012	2011	yoy in %
Revenue	[€m]	15,280	13,787	+10.8%
Operating Profit*	[€m]	3,530	3,210	+10.0%
Operating Margin	[€m]	23.1%	23.3%	- 20bp
Operating Cash Flow	[€m]	2,522	2,426	+4.0%
EPS reported	[€]	7.03	6.88	+2.2%

Solid growth realised despite the unfavourable macro-economic environment

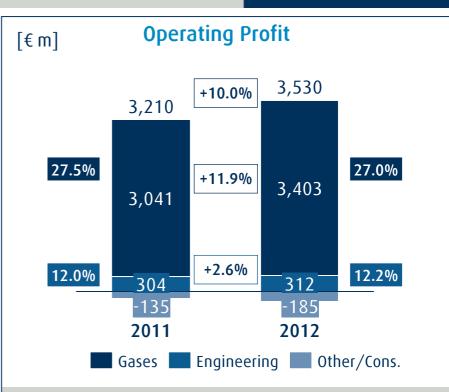
- Growth supported by acquisitions in Healthcare
- EPS-development impacted by one-time and additional PPA charges

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

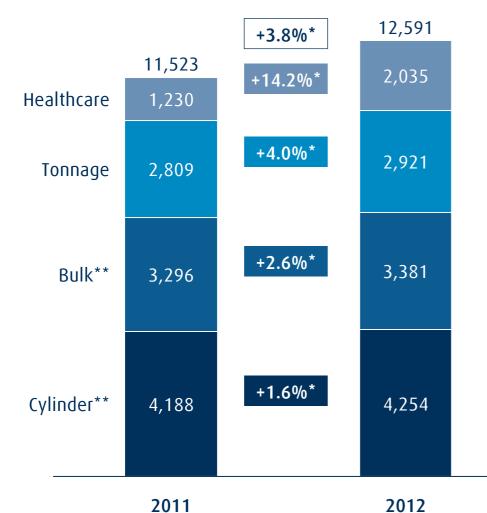


- In Gases up-front investments in Asia additionally impacted the operating margin
- Due to successful execution of individual projects the Engineering operating margin peaked

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%

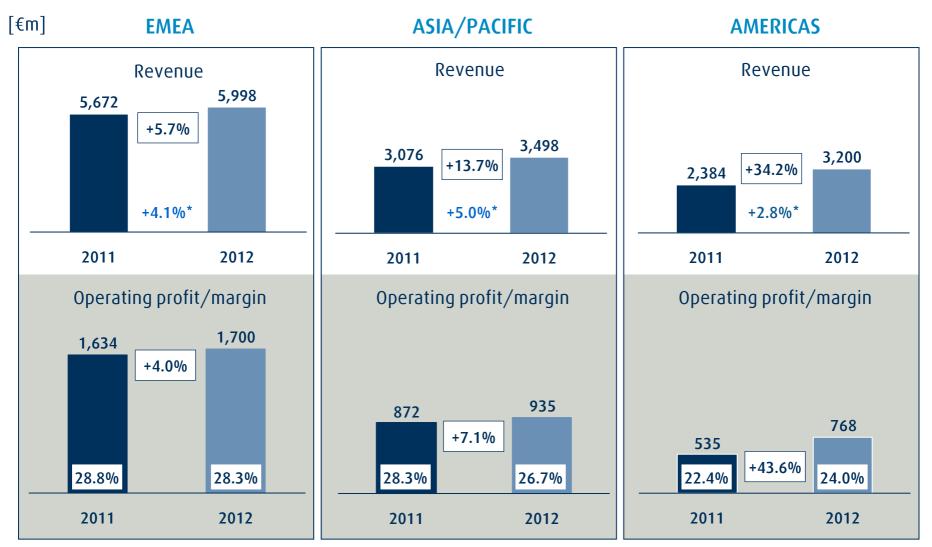
Bulk & Cylinder

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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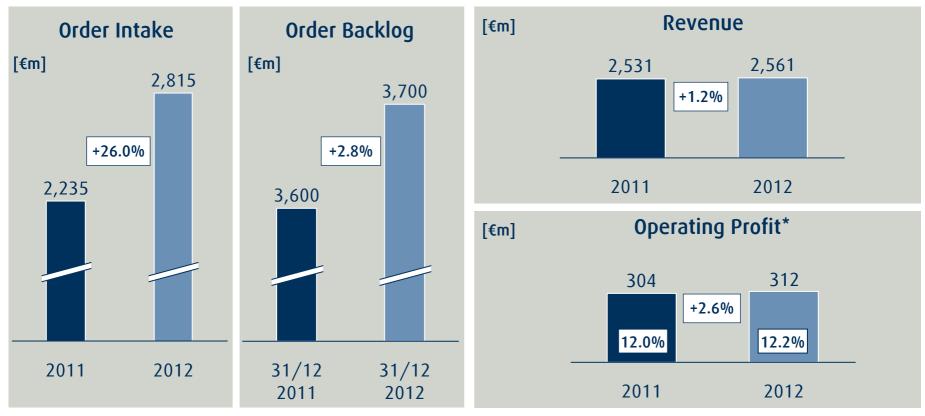


*excluding currency, natural gas price effect and Lincare

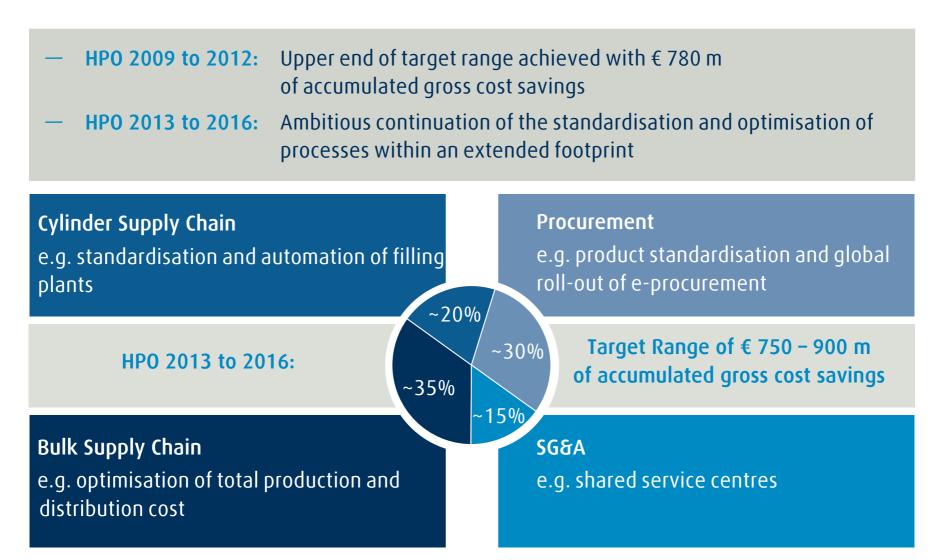
Engineering Division, key figures Record operating profit



- 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



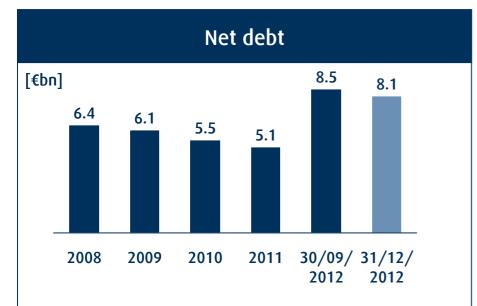
HPO 2013 – 2016: € 750 – 900 m additional gross cost savings

Business Performance

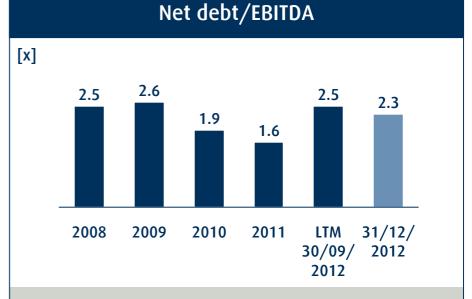
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Group, solid financial position A year of significant investments





- 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

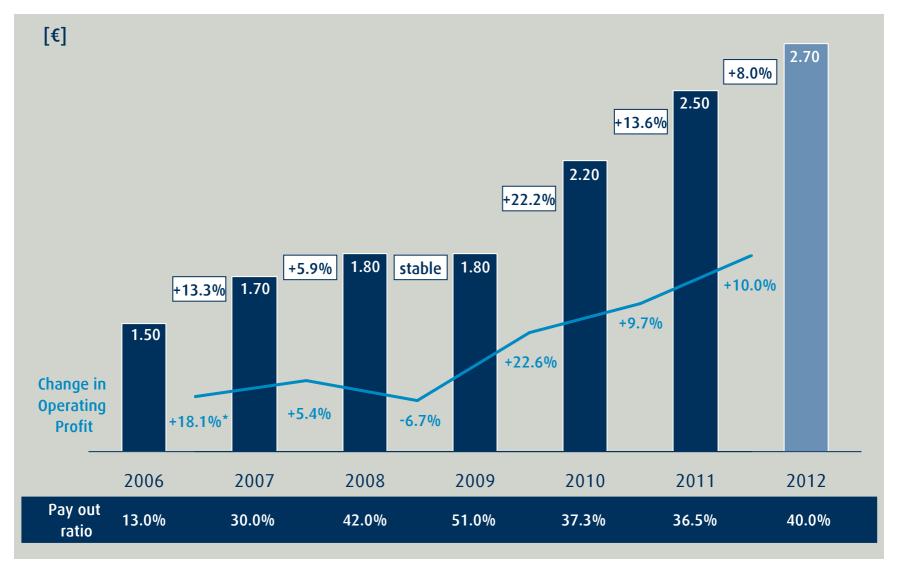


- Deleveraging process already started in Q4 2012
- Credit Ratings
 - S&P's: A/A-1 with stable outlook*
 - Moody's: A3/P-2 with stable outlook**

* 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



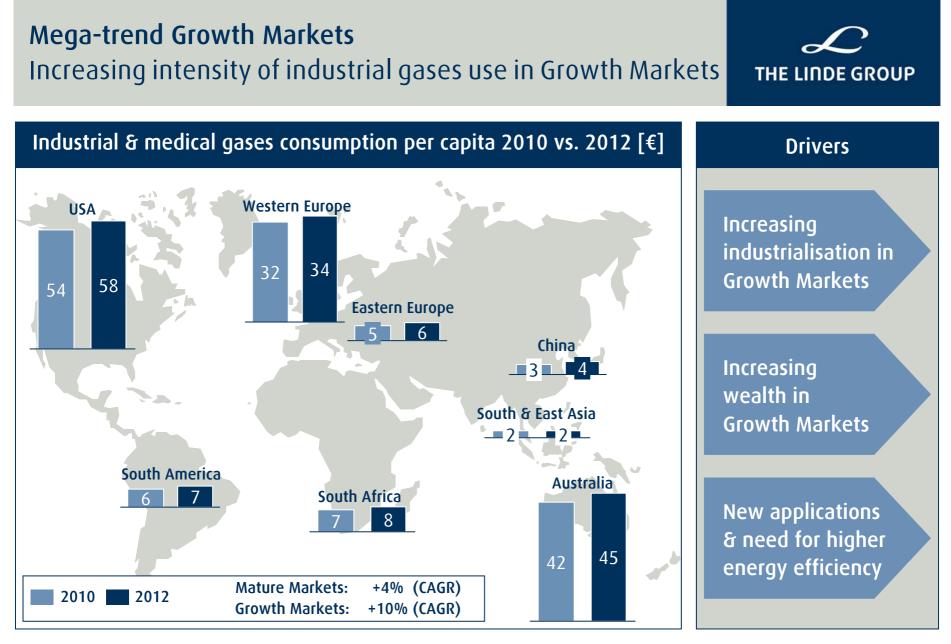


Market size Growth Markets*

				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

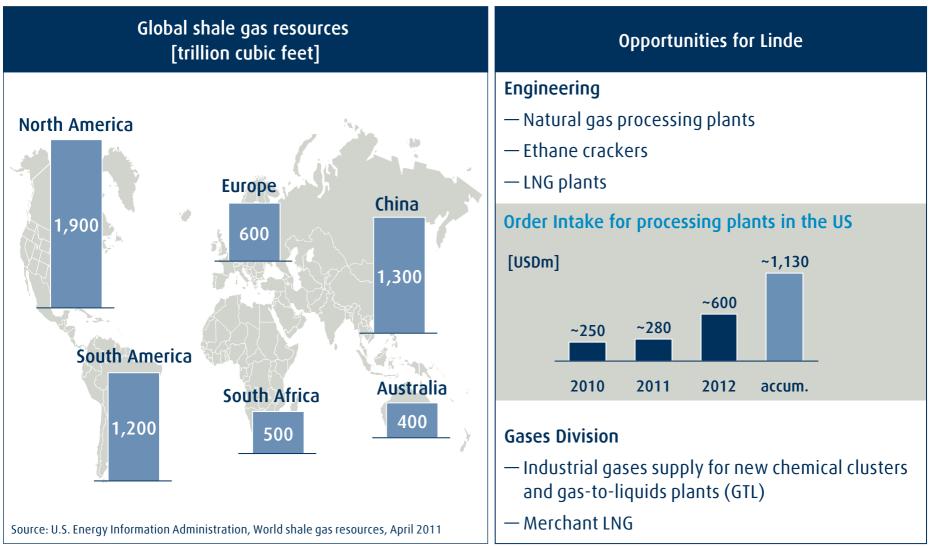
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(Please find assumptions for estimates on page 46)

Mega-trend Energy/Environment Opportunities resulting from shale gas





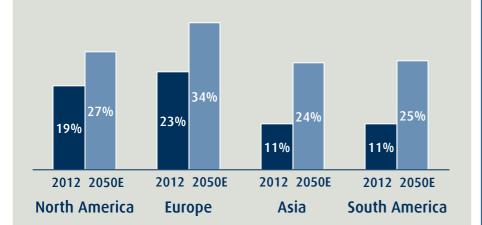
Mega-trend Healthcare Attractive environment for growth



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

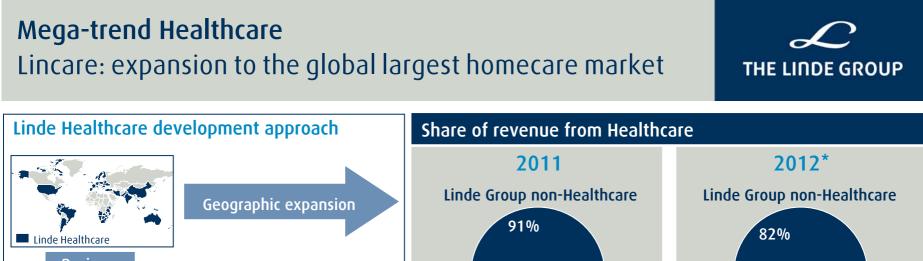
- No.1 position, with revenue of around € 3 bn (incl. Lincare 2012 proforma figures)
- Active in 55 countries

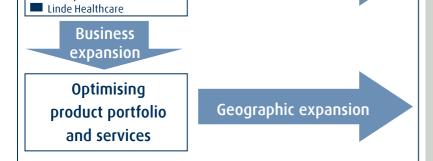
Product & Service offering

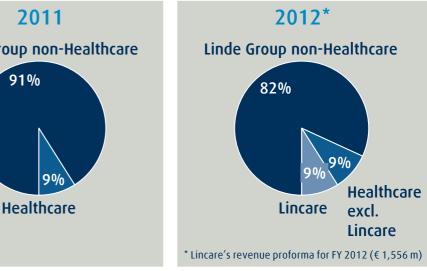
- Gas supply & gas therapies
- Sleep & pain therapies
- REMEO: treatment and care of chronic patients
- Adjacent supplies and services

**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)

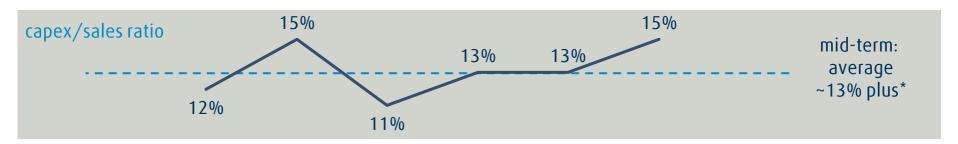
[€bn]

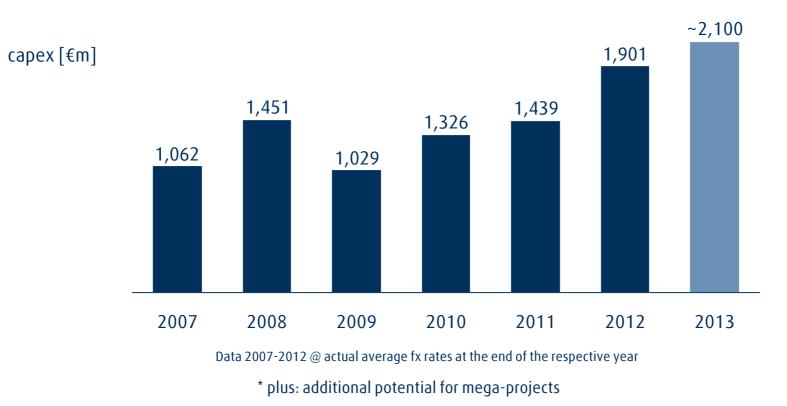


- Level of market opportunities stabilising on a high level
- High share of opportunities in Growth Markets
- Increasing activity in the area Energy/Environment

Gases, capex Development capex/sales ratio 2007-2012







23

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

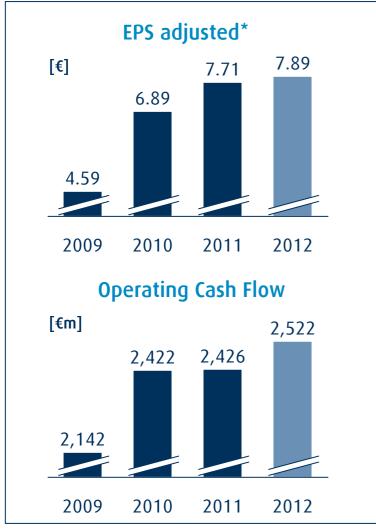


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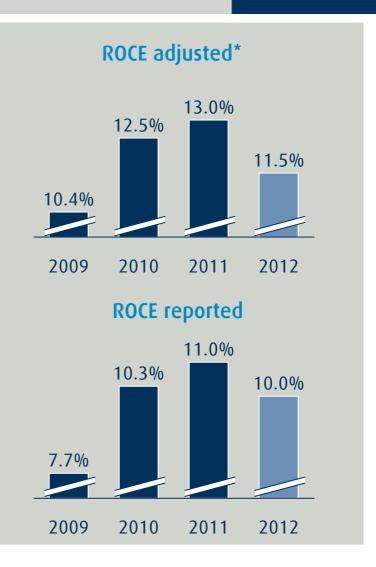
Appendix

Group, financial key indicators Continuous EPS-growth



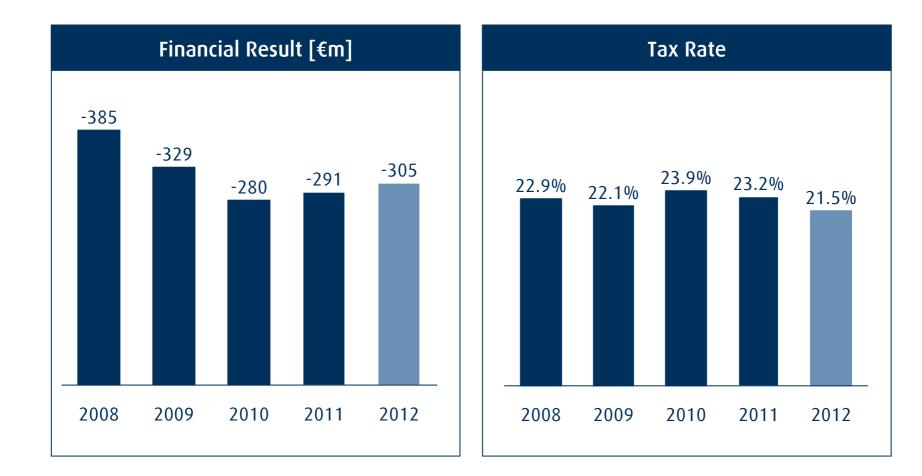


*(please see definitions on page 42) EPS is only adjusted for the PPA of BOC. 2012 is not adjusted for the PPA-effect of the Homecare acquisitions (€51m) and is not adjusted for impairment impacts (€46m)



Group, financial result and tax rate





28

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

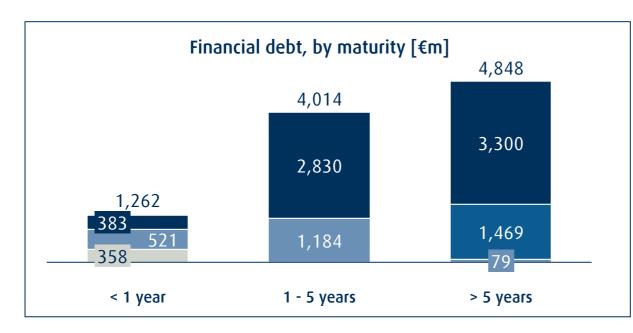
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Long-dated maturity profile further extended

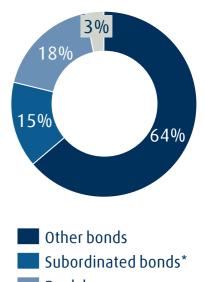
- Two Eurobond issues in 2012 at 1.75% with tenors of 7 and 8 years
- Almost 90% of total financial debt is due beyond 2013
- Approx. 50% of total financial debt has a longer maturity than 5 years

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

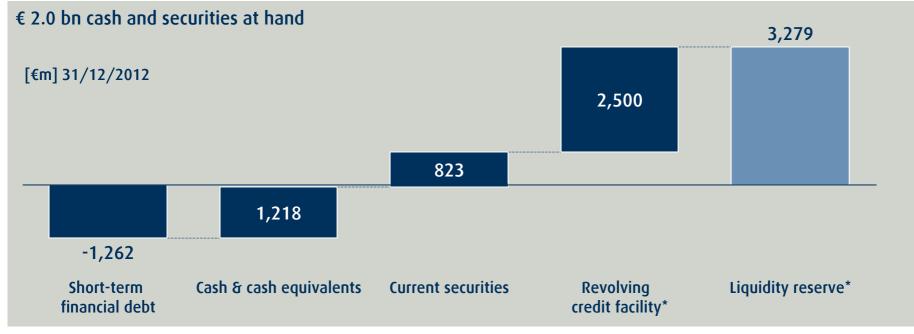
Group, solid financial position Liquidity position remains strong



- € 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

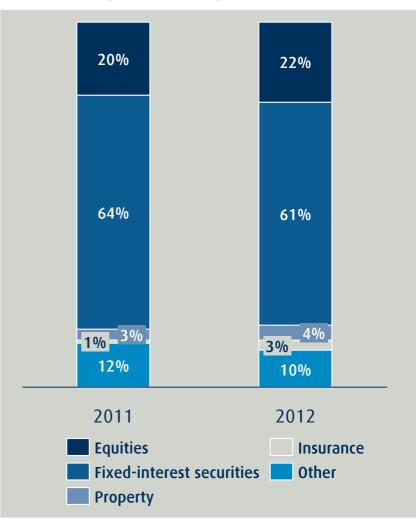


Net obligation

[€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*

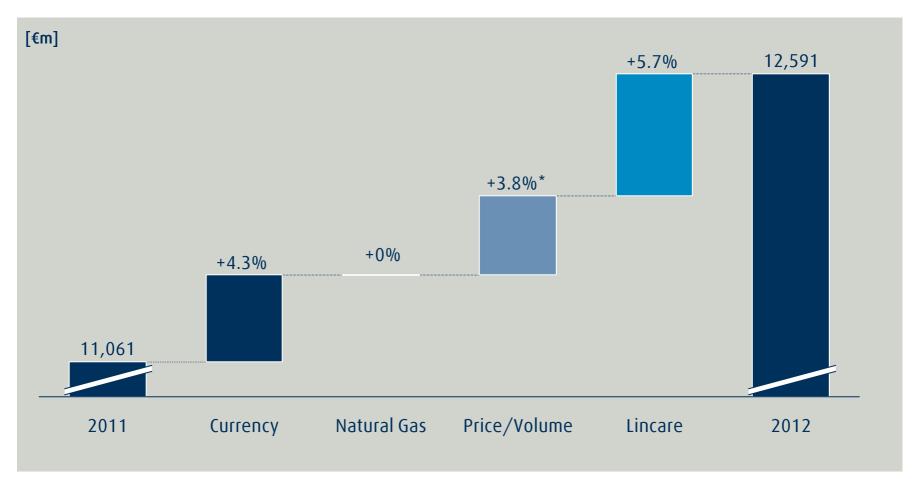
* Figure does not include effects from asset ceiling and provisions for similar obligations

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%

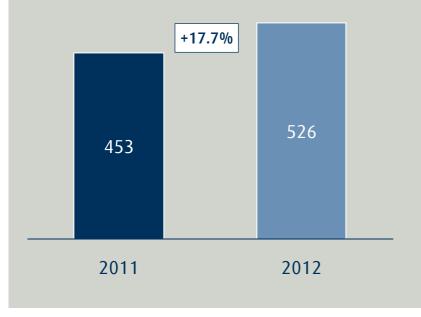
*EBITDA incl. share of profit or loss from associates and joint ventures

Gases Division Joint ventures

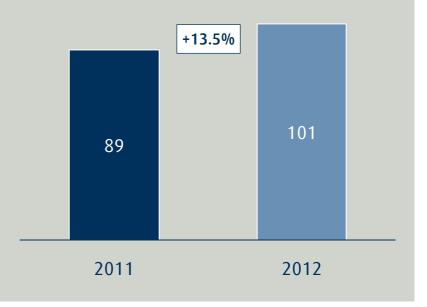


[€m]

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

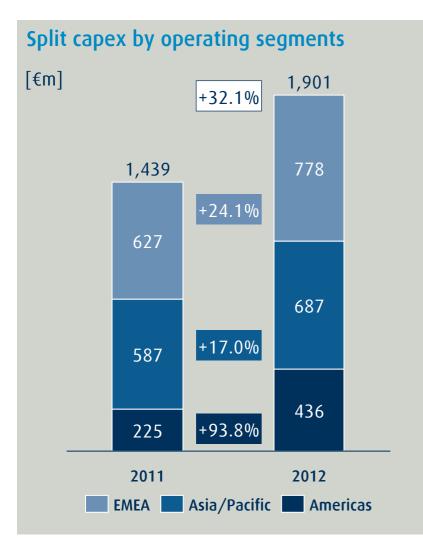


Share of Net Income (contribution to Operating Profit)



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

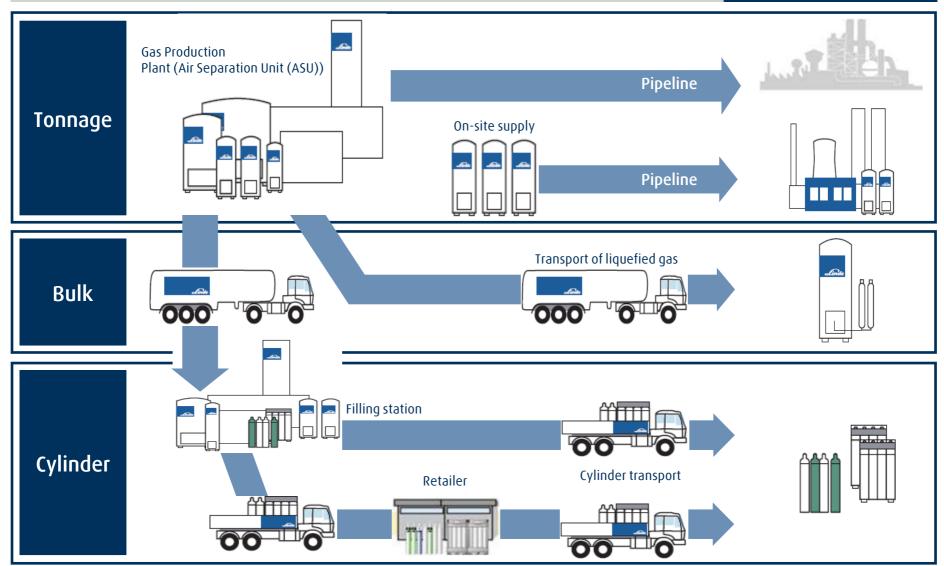




- The overall gases capex is used for the expansion of Tonnage
- EMEA: part of the increase of capex from
 2011 to 2012 was used for Healthcare
- In Asia/Pacific most of the capex was allocated to the expansion of Tonnage
- € 361 m was invested in the growth region of Greater China
- In Americas the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

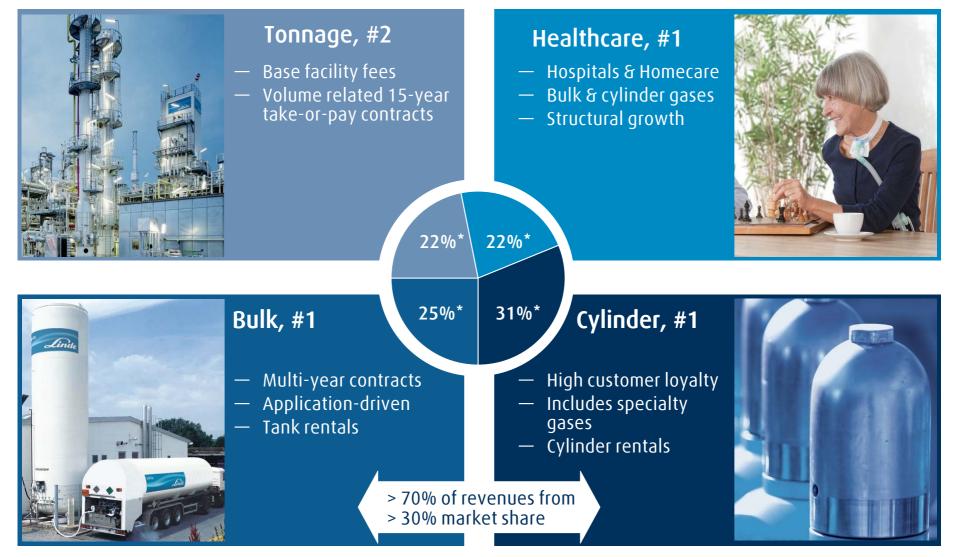
Gases division Distribution ways





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*

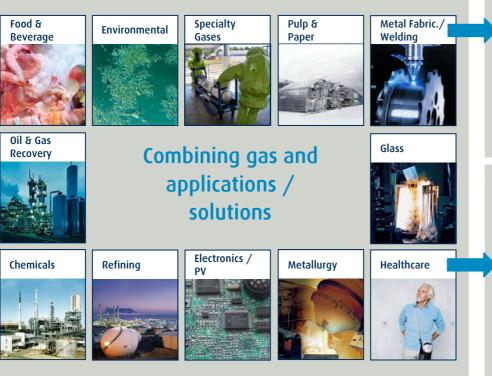
* including Lincare pro forma figures 2012 with a full year contribution of \notin 1,556 m

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

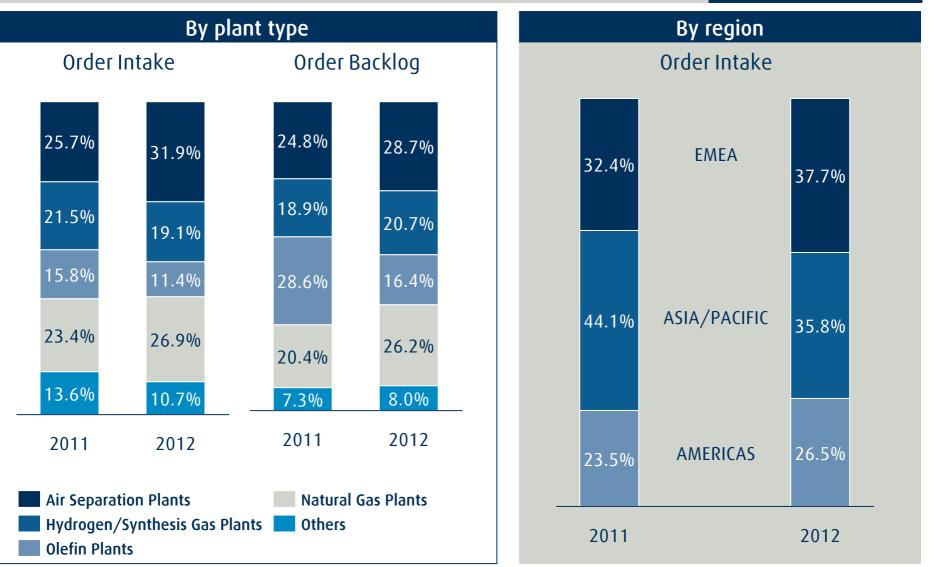
for production & recovery of olefins, acetylene, butadiene, aromatics, poly- & alpha-olefins, polyethylene & polypropylene



- 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

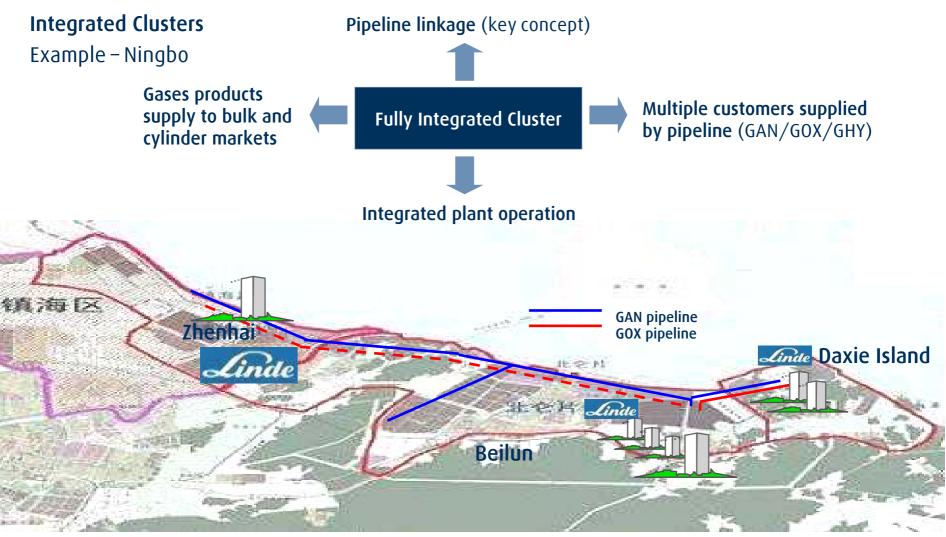
A diverse customer portfolio to match an integrated business





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	 250 projects in commercial phase in 2018 - 2030 0.5-0.9 Gt at €30-40 per ton CO₂ Incl. industrial CO₂ capture & handling of pipeline CO₂ Commercial demonstration until 2018
LNG	6 - 10	15 - 30	 Use case specific projection of conversion rate for truck, marine, oil & gas industrial and power use of LNG (substitution of liquid fuels like diesel and propane) Not included: Chinese market potentially applicable to internat. players
EOR/EGR*	4 - 5	12 - 25	 100 CO₂ projects in commercial phase in 2018 - 2030 (also incl. in clean coal & gas) 150 N₂ projects in commercial phase in 2018 - 2030 Bottom-up planning of projects until 2018
$\mathbf{H}_{2} \text{ fueling}$	1	5 - 10	 Ramp up of serial fuel cell cars and corresponding H₂-infrastructure following OEM projections Specific H₂-consumption around 1kg/100 km, i.e. 100-150kg/year & car
GTL	1.5 - 2	3.5	 Installation of 4-6 large scale GTL-plants based on cheap available natural gas e.g. from unconventional reserves
Renewables	1	2	 Includes gases used for manufacturing of photovoltaic cells Biomass gasification and liquefaction
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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- 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

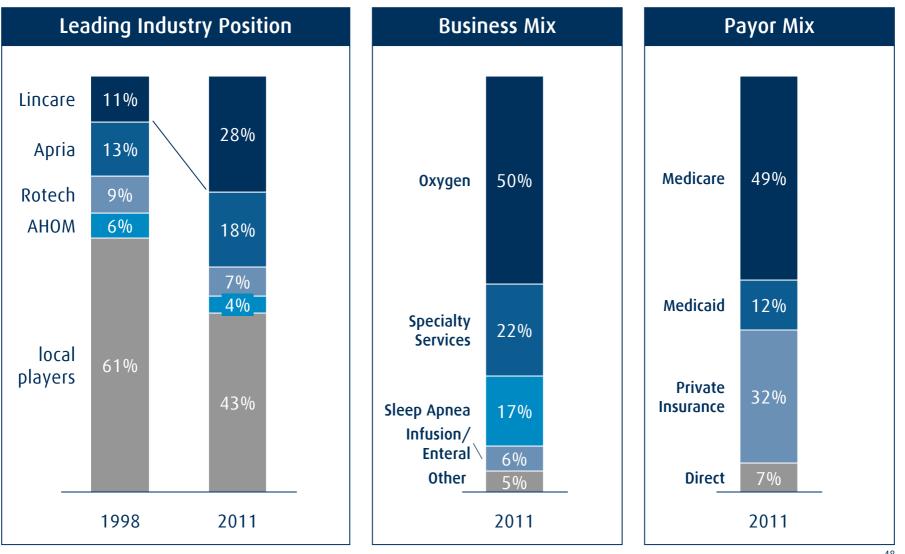
- 800,000 patients Industry leader in US

Lincare

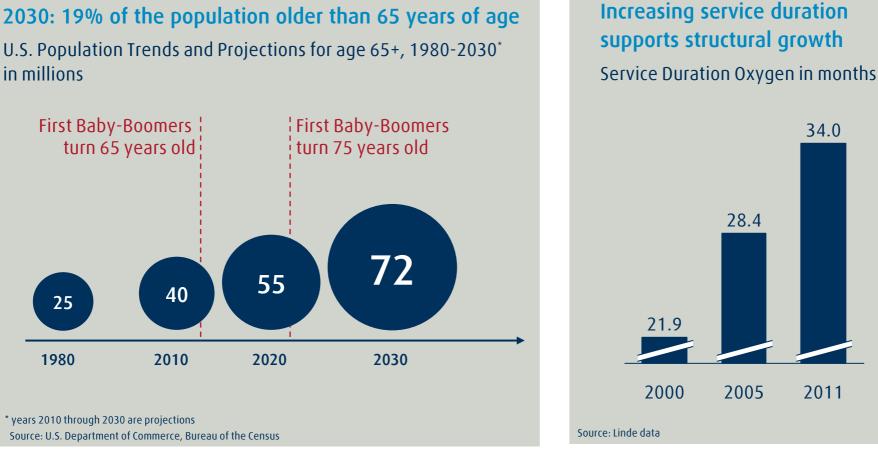
- Oxygen therapy
- Sleep Apnea
- Nutrition, Infusion, other homecare services
- Pulmonary rehab, specialty services
- Performance focus
- **Operational excellence**
- Acquisition integration
- Competitive bidding

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

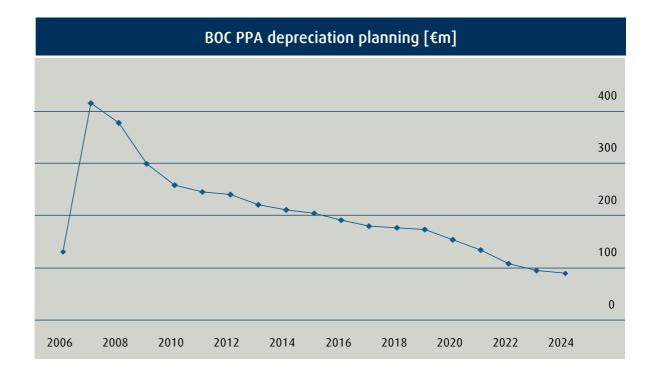


Group BOC PPA – Expected depreciation & amortisation



- 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



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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