

**DEUTZ AG**

**Investor presentation – power in motion**


April 2013



# Agenda

- **DEUTZ at a glance**
- Strategy & investment rationale
- Financials
- Outlook

# DEUTZ at a glance

<b>Profile</b>	<ul style="list-style-type: none"><li>■ Founded in 1864 by Nicolaus August Otto - the inventor of the four-stroke engine</li><li>■ Independent manufacturer of diesel engines with product range from 25 to 520 kw</li><li>■ Production capacity of 300,000 engines p.a. (additional capacity of Joint Ventures 250,000 engines p.a.)</li><li>■ Engineering and manufacturing company with strong expertise as system integrator</li><li>■ Worldwide sales channels and service network</li><li>■ Strong brand - synonymous with leading technology and high-quality products</li></ul>	
<b>Financials 2012</b>	<ul style="list-style-type: none"><li>■ Revenue €1.3 billion</li><li>■ EBIT margin 3.0%</li><li>■ Net income €21.0 million, FCF €12.6 million</li><li>■ Equity ratio 46.8%</li></ul>	<b>Blue chip customer base</b> 
<b>Board</b>	<ul style="list-style-type: none"><li>■ Dr. Helmut Leube (CEO)</li><li>■ Dr. Margarete Haase (CFO)</li><li>■ Michael Wellenzohn (CSO)</li></ul>	

→ Global player with almost 150 years of experience

# Corporate structure

## DEUTZ Group

Revenue 2012 €1.3bn

### DEUTZ Compact Engines

Revenue 2012 €1.0bn



- Liquid-cooled engines of up to 8 litres cubic capacity for on- and off-road applications
- Large number of modular approaches
- Major Chinese Joint Ventures

### DEUTZ Customised Solutions

Revenue 2012 €0.3bn



- Air-cooled engines for on-road, off-road and marine applications
- Liquid-cooled engines over 8 litres for all applications
- Remanufactured (Xchange) engines for all DEUTZ engine series






### DEUTZ Services (common to both segments)

- Substantial service business based on existing population of approx. 1.6m engines in the market
- Product portfolio mainly comprises genuine DEUTZ spare parts, Xchange engines and parts as well as oils and lubricants
- In addition, DEUTZ provides after-sales services such as commissioning, maintenance and other on-site services as well as documentation and training



# Product portfolio: ready for the next emission levels









## Engines for Tier 4 emissions standards

<p><b>(TC)D 2.9</b> 25 – 56 kW</p>		<ul style="list-style-type: none"> <li>■ Award winning new engine</li> <li>■ Very compact engine minimizes installation effort</li> <li>■ Simple EAT (catalyst only)</li> </ul>
<p><b>(TC)D 3.6</b> 50 – 90 kW</p>		<ul style="list-style-type: none"> <li>■ New engine focussing on industrial and agricultural applications</li> <li>■ Highest output and torque in its class with best power-to-space ratio</li> <li>■ Simple EAT</li> </ul>
<p><b>TCD 4.1 / 6.1</b> 70 – 180 kW</p>		<ul style="list-style-type: none"> <li>■ Better power density and improved life-cycle costs compared to its predecessor</li> <li>■ Optimized EAT concepts for industrial and agricultural applications (DVERT)</li> </ul>
<p><b>TCD 7.8</b> 160 – 270 kW</p>		<ul style="list-style-type: none"> <li>■ Better power density and improved life-cycle costs compared to its predecessor</li> <li>■ Optimized EAT concepts for industrial and agricultural engines (DVERT)</li> </ul>
<p><b>TCD 12.0 / 16.0</b> 300 – 520 kW</p>		<ul style="list-style-type: none"> <li>■ Most compact power source in its class</li> <li>■ Improved life-cycle costs</li> <li>■ No DPF - no regeneration nor maintenance compared to competition</li> </ul>

## Focus on Mobile Machinery and Agriculture

		Mobile Machinery	Agricultural Machinery	Stationary Equipment	Auto-motive	
2011	22 – 77 kW	■		■		↑ Stage IIIA / Tier 3 and below
2012 2V	60 – 155 kW	■	■	■		
1013 / 2013 2V	72 – 200 kW	■	■	■	■	
2013 4V	118 – 243 kW	■	■	■	■	↓ Euro 5 and below
912 / 914	24 – 176 kW	■	■	■		
413 / 513	77 – 441 kW	■				
1015 / 2015	195 – 520 kW	■	■	■	■	↑ Stage IIIB / IV  Tier 4 interim / final ↓
<b>(TC)D 2.9</b>	25 – 56 kW	■	■	■		
<b>(TC)D 3.6</b>	50 – 90 kW	■	■	■		
<b>TCD 4.1 / TCD 6.1</b>	70 – 180 kW	■	■			
<b>TCD 7.8</b>	160 – 270 kW	■	■			
<b>TCD 12.0 / TCD 16.0</b>	300 – 520 kW	■	■			

# Key applications

	Typical application	Markets benefit from macro trends	Competitors <sup>(1)</sup>
<b>Mobile Machinery</b>	Construction Ground support Material handling Mining equipment	 → 	Cummins Kubota Perkins Yanmar
<b>Agricultural Machinery</b>	Tractors Agricultural equipment	 → 	Deere Kubota Perkins Yanmar
<b>Stationary Equipment</b>	Gensets Pumps Compressors	 → 	Deere Kubota Perkins Yanmar
<b>Automotive</b>	Trucks Buses Rail vehicles	 → 	Cummins Fiat Powertrain MAN Mercedes

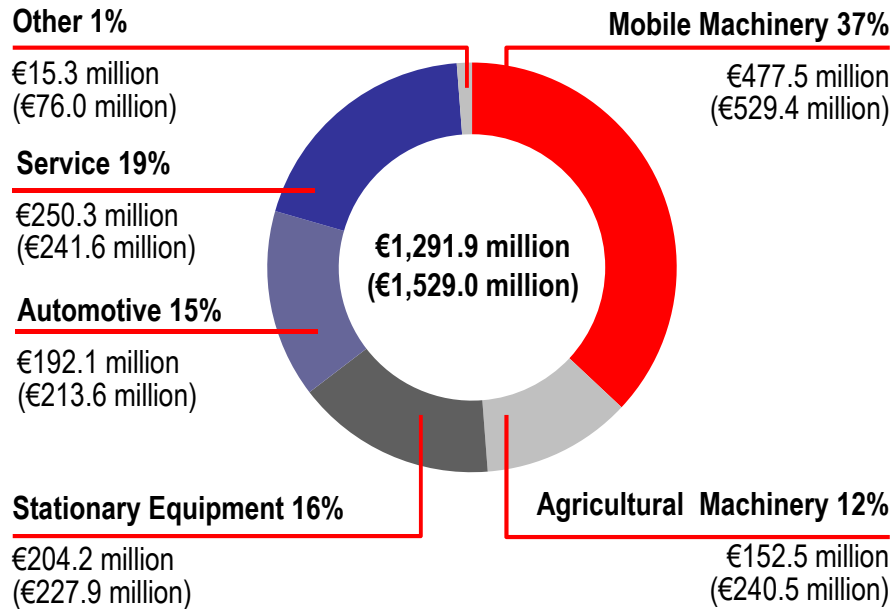
(1) In alphabetical order

→ Wide application range for DEUTZ engines

# Revenue split

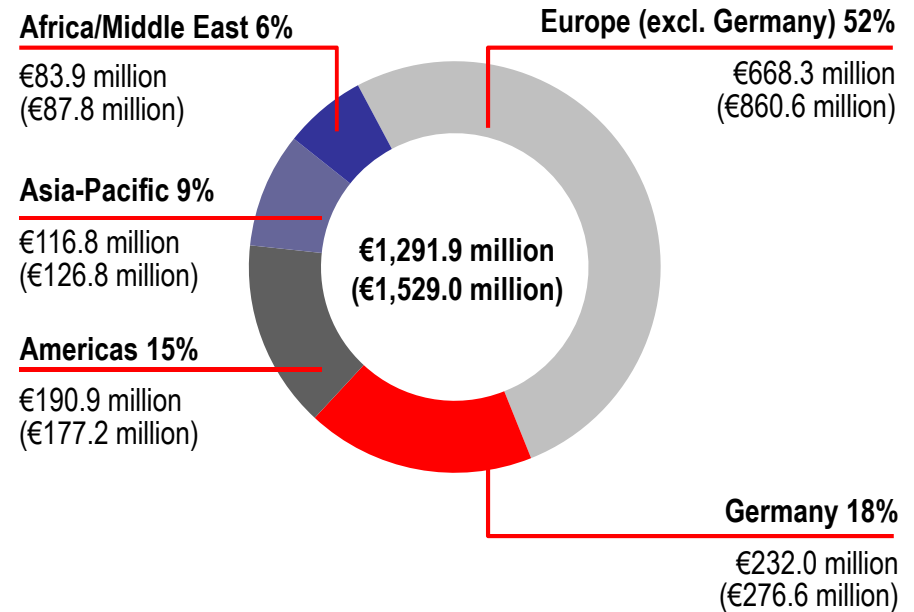
## Revenue split by application, 2012

(2011)



## Revenue split by region, 2012<sup>(1)</sup>

(2011)



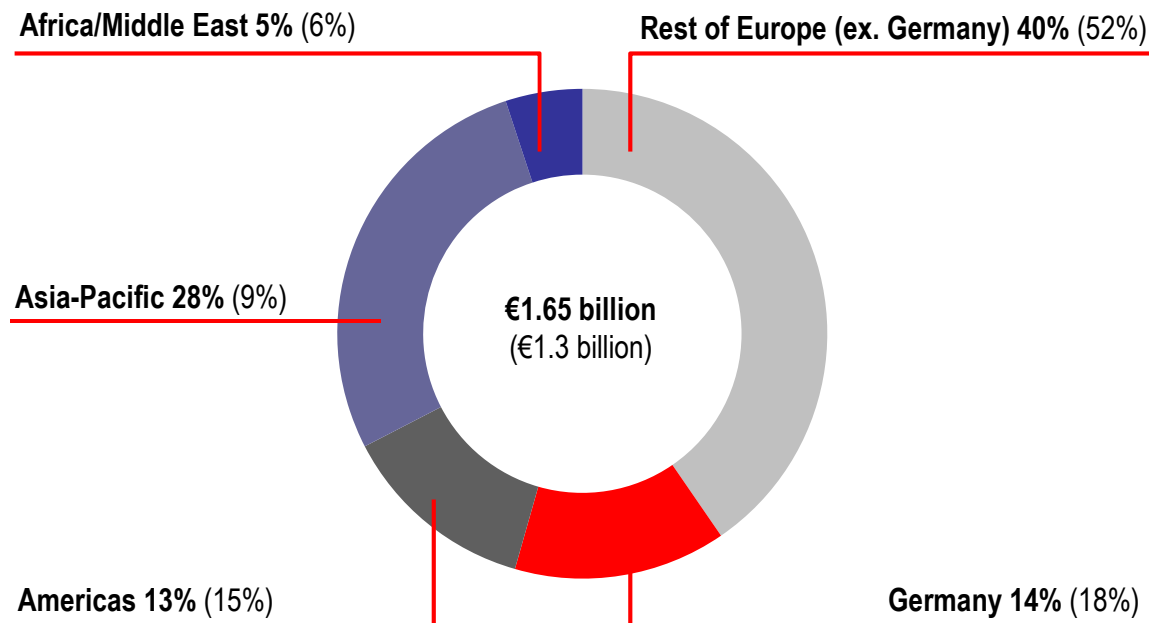
- Agricultural Machinery (-36.6% yoy) affected by slow production start at key clients and engine pre-buys in 2011
- Service business with 3.6% growth yoy

(1) Revenue split by region does not include JVs that are not fully consolidated. Regions assigned by place of business of our OEM customer

# Pro-forma revenue split

## Revenue split by region (incl. Joint Ventures), 2012<sup>(1)</sup>

(figures in brackets: reported IFRS revenue)



- Approx. €350 million revenue generated by 50-50 Joint Ventures, mainly in China (at equity consolidated; revenue not reflected in reported IFRS numbers)
- Continued emphasis on growth in Asia where we expect above average growth in the next few years

(1) Pro-forma revenue split including revenue of at equity consolidated JVs

➔ Pro-forma split reveals significant exposure to Asia-Pacific



# Agenda

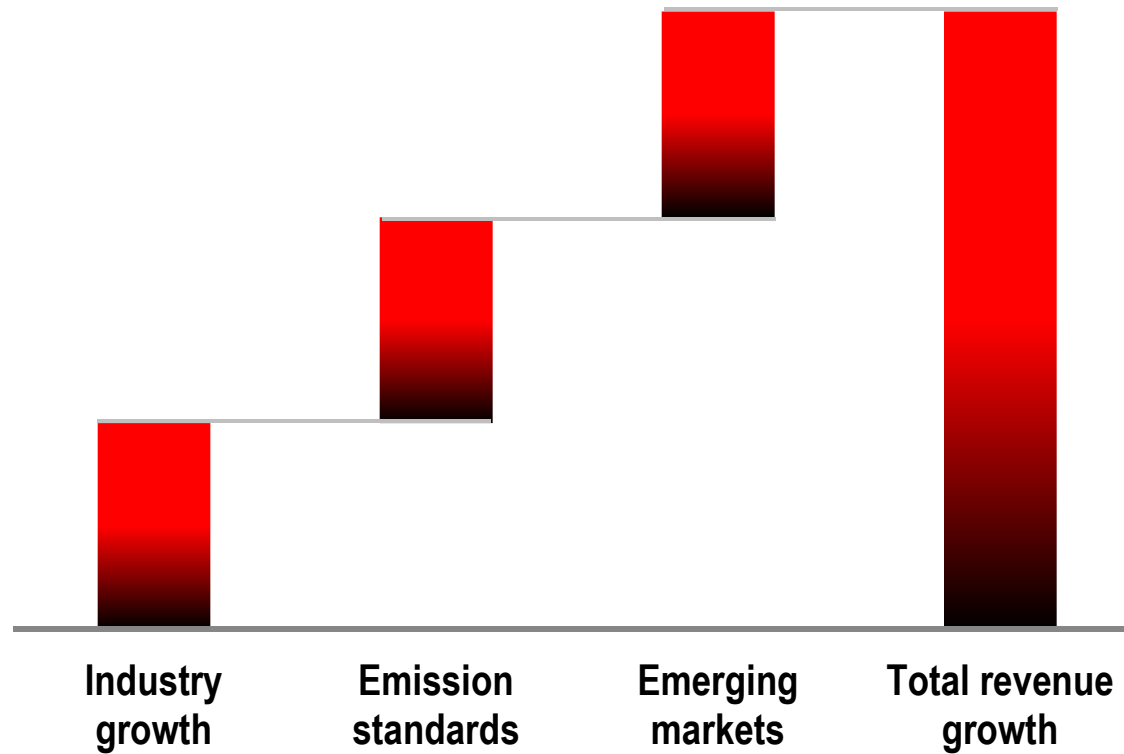
- DEUTZ at a glance

- **Strategy & investment rationale**

- Financials

- Outlook

# Structural growth drivers



- Product and new business development generating business opportunities
- New emission standards require more complex engines with a higher value
- New production facilities in China will lead to significant growth in Asia in the coming years
- Trend growth of revenue >10% p.a. in the mid-term

→ Structural growth drivers enable high revenue growth in the mid-term

# Successful new business development projects

## Examples of new applications

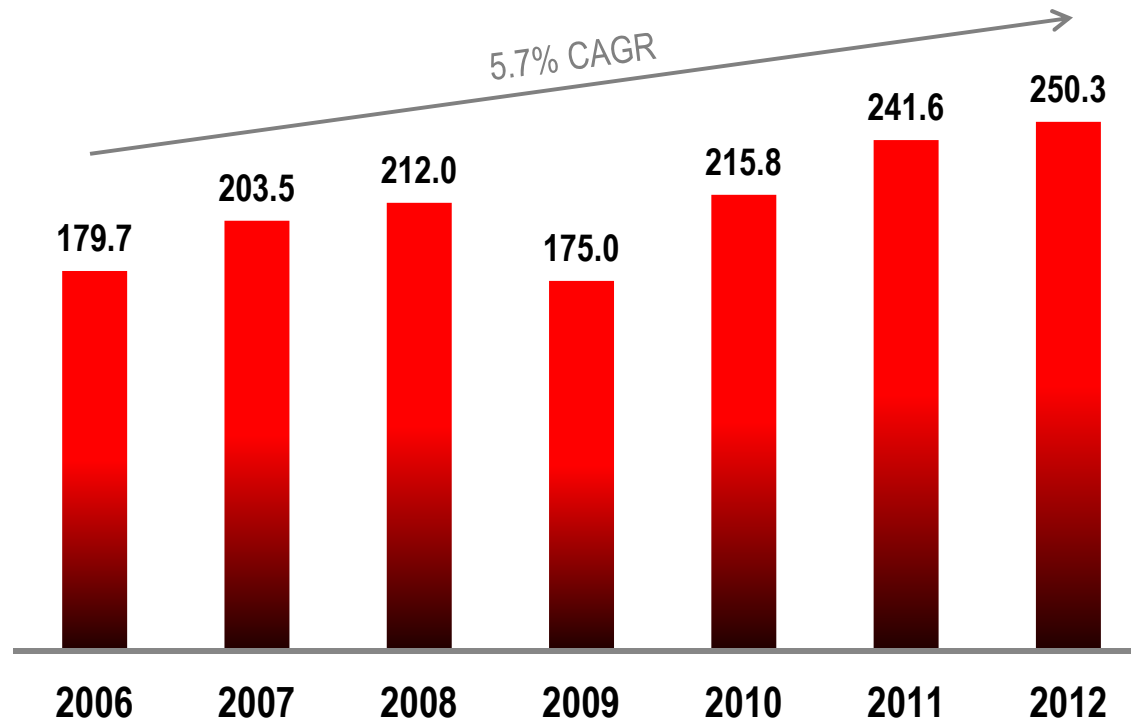


- New customers gained in all regions, in particular with new engines 2.9 and 3.6
- Greater share of wallet at existing clients
- New business related to different applications, e.g. tractors, fork lifts, telehandlers, dumpers, rollers, wheel loaders, trenchers, drills and special vehicles
- More business development projects in the pipeline

➔ Product offensive is paying off

# Service business

€ million

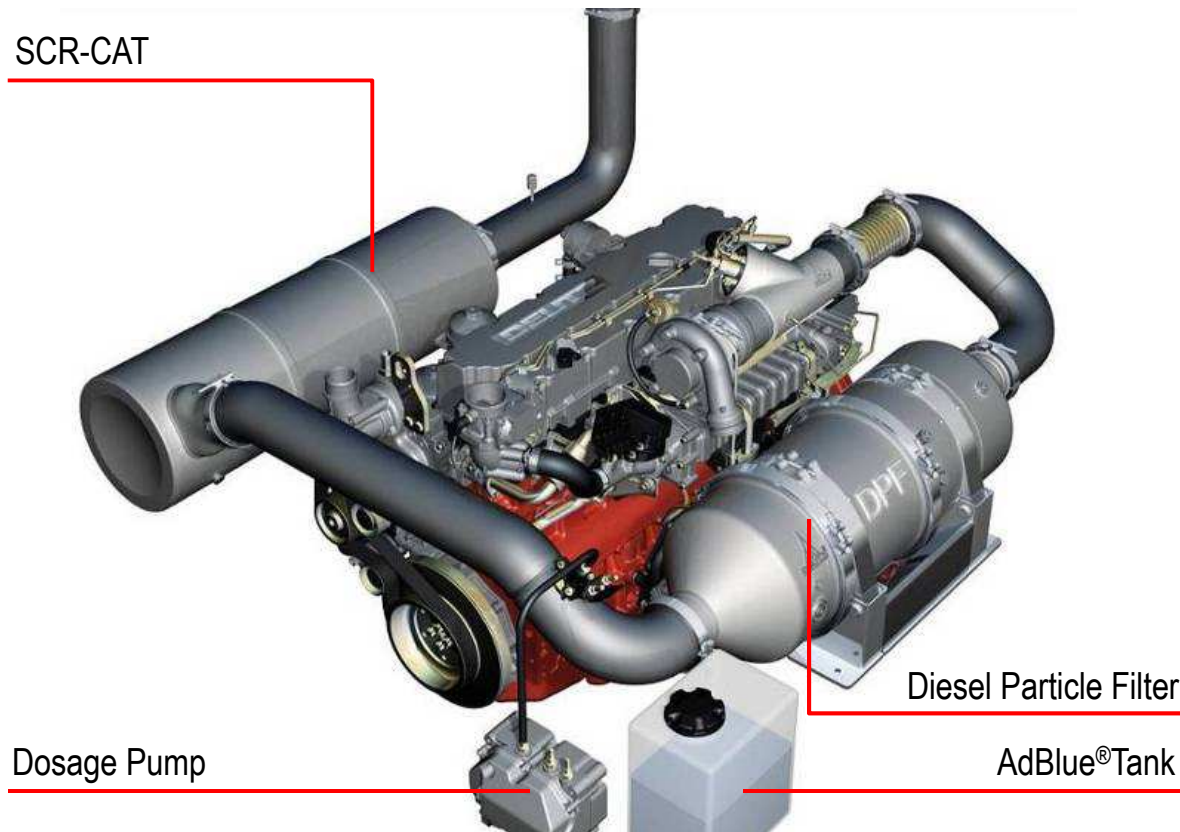


- Growth of service revenue supported by ongoing projects and network extension (e.g. Madrid and Moscow)
- Active management of service network with improved training and tools
- Increased engine complexity beneficial for service business
- Profitable service business less exposed to economic cycles

➔ Better exploiting the potential of our service business

# Emission standards

## Tier 4 systems require exhaust aftertreatment devices



- DEUTZ product portfolio ready for emission level Tier 4 final
- Higher value of new emission engines
- DEUTZ owns the certification for the whole system (i.e. electronically governed diesel engine with exhaust aftertreatment devices)
- Significant NOx (-95.7%) and particle emissions (-96.5%) reduction from 1999 to 2014

➔ Stricter emission regulations are structural growth driver for our business

## Growth activities in China

	<b>Planned JV with AB Volvo</b>	<b>DEUTZ Engine Shandong (DES)</b>	<b>DEUTZ Dalian Engine (DDE)</b>	<b>WEIFANG WEICHAI- DEUTZ Engine</b>
<b>City (Province)</b>	Linyi (Shandong)	Linyi (Shandong)	Dalian (Liaoning)	Weifang (Shandong)
<b>JV Partner</b>	AB Volvo	Shandong Changlin	FAW Group	Weichai Holding
<b>DEUTZ shareholding</b>	> 50%	70%	50%	50%
<b>Consolidation</b>	Full consolidation	Full consolidation	At equity	At equity
<b>Engine size</b>	4 - 8 litres	< 4 litres	3 – 8 litres	4 – 8 litres
<b>Main applications</b>	Mobile machinery	Mobile machinery	Automotive	Broad range
<b>Revenue in 2012</b>	n/a	n/a	€246 million	€93 million

- Negotiations with AB Volvo are well advanced
- Implementation of Euro 4 / Tier 3 emission standard in China will increase demand for high-quality engines
- Chinese construction and automotive markets are expected to gain momentum during the course of 2013

**→ Well positioned to benefit from emerging market growth**

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# Key figures FY 2012

€ million	2012	yoy
<b>Revenue</b>	<b>1,291.9</b>	<b>-15.5%</b>
<b>EBIT</b>	<b>38.5</b>	<b>-57.8%</b>
<b>Net income</b>	<b>21.0</b>	<b>-72.2%</b>
<b>Free cash flow</b>	<b>12.6</b>	<b>+162.5%</b>
<b>Net financial debt</b>	<b>48.6</b>	<b>-30.2%</b>
<b>Equity ratio (%)</b>	<b>46.8</b>	<b>+5.5%-pts</b>

**→ Stronger balance sheet and free cash flow despite challenging market environment**



## Strategic highlights FY 2012

### ■ Cost reduction, efficiency enhancement and review of value chain

- Further measures to boost efficiency implemented; e.g. overhead costs reduced
- Established structures under review, e.g. outsourcing of pipe manufacturing to optimise value chain
- Divestment of JV Bosch Emission Systems; intensified cooperation with Bosch

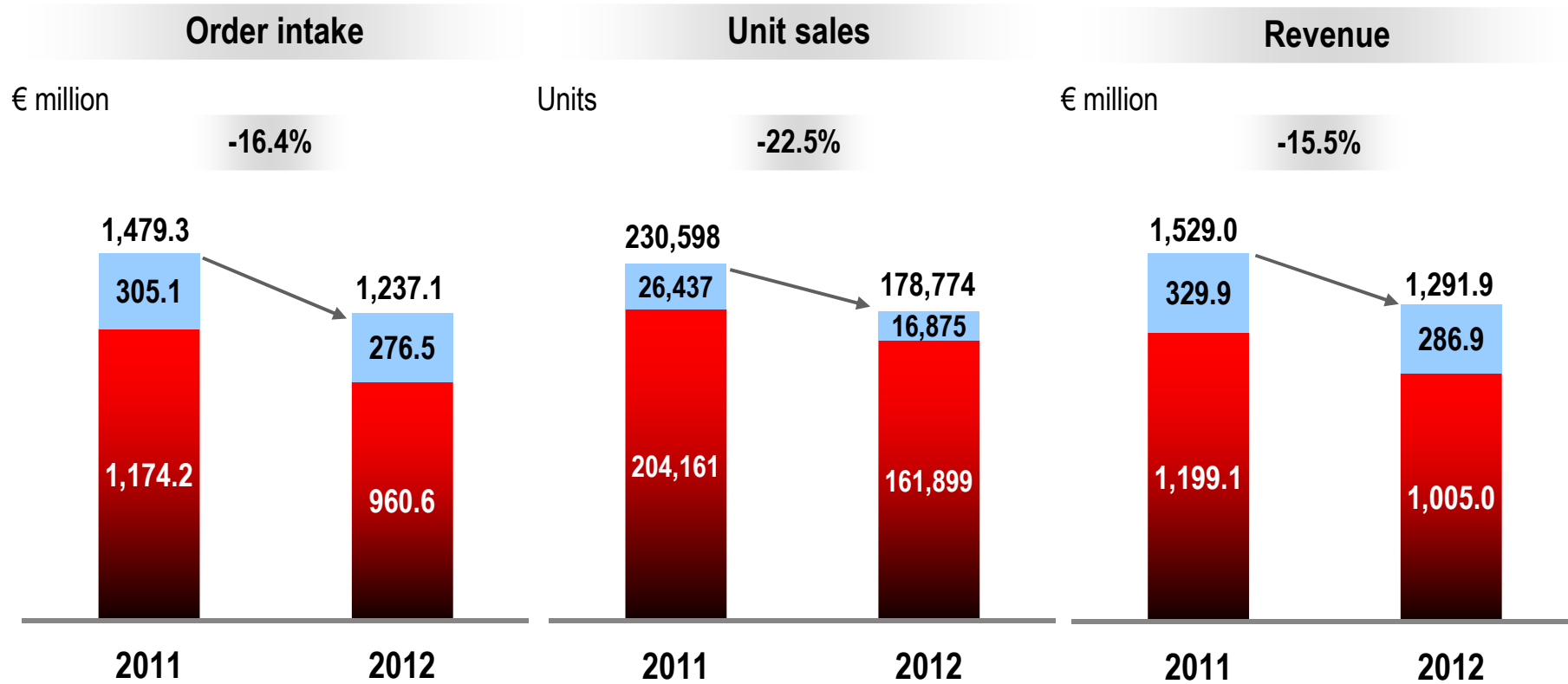
### ■ Groundwork laid for growth

- Successful market launch and series start of engines for the new emission level
- Further growth of service business also supported by network extension
- New JV DEUTZ Engine Shandong to access additional customer segments in Asia
- Strategic talks with AB Volvo to deepen and extend our long-standing cooperation are well advanced
- New long-term funding secures financing of our growth projects and reduces interest expenses

### ■ New board member

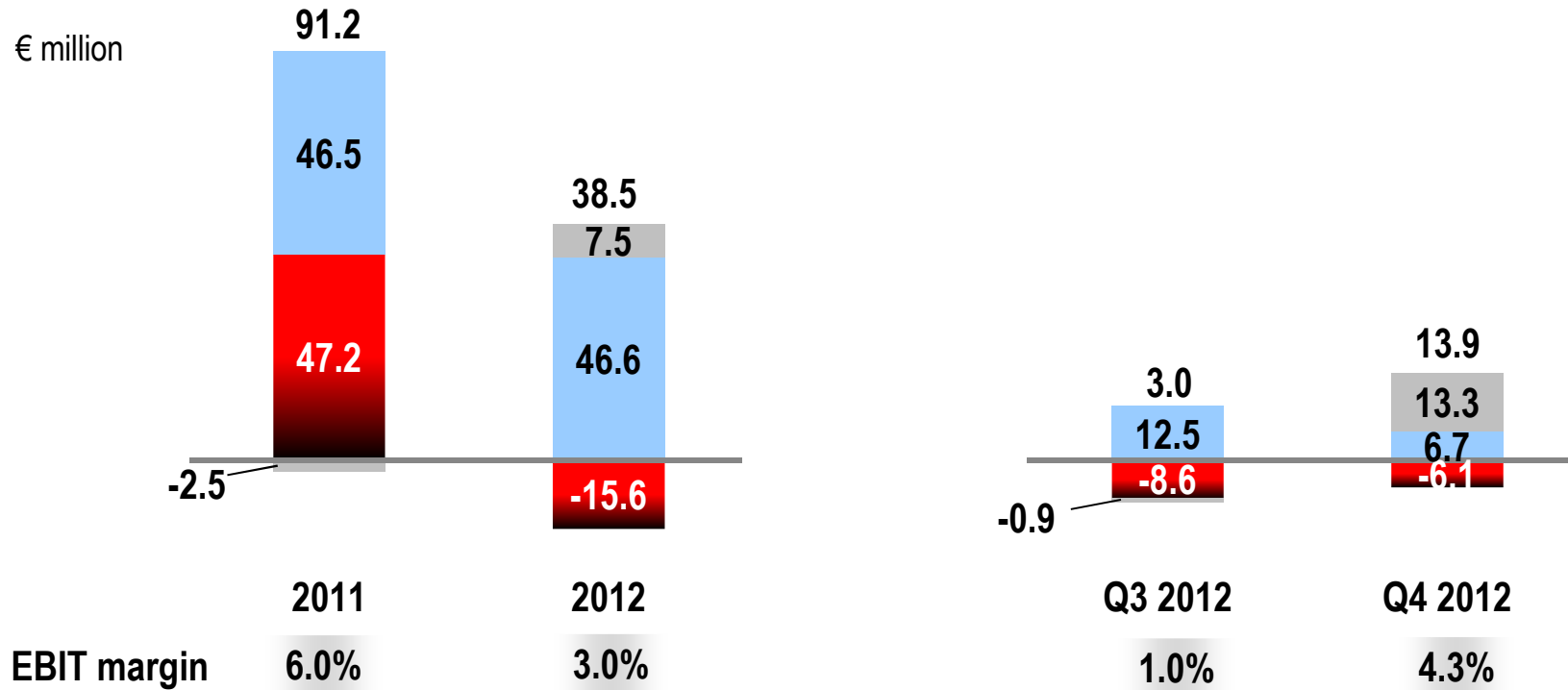
- Michael Wellenzohn, responsible for sales and marketing since 1 March 2013, will strengthen new business development

# Sales figures



- Sales decline caused by weaker markets in Europe and China; improvement in Q4 vs. Q3 2012
- Revenue declined less than unit sales due to higher inherent value of new emission-compliant engines
- Order intake in Q4 (€276.6 million) improved by 6.6% vs. Q3 2012

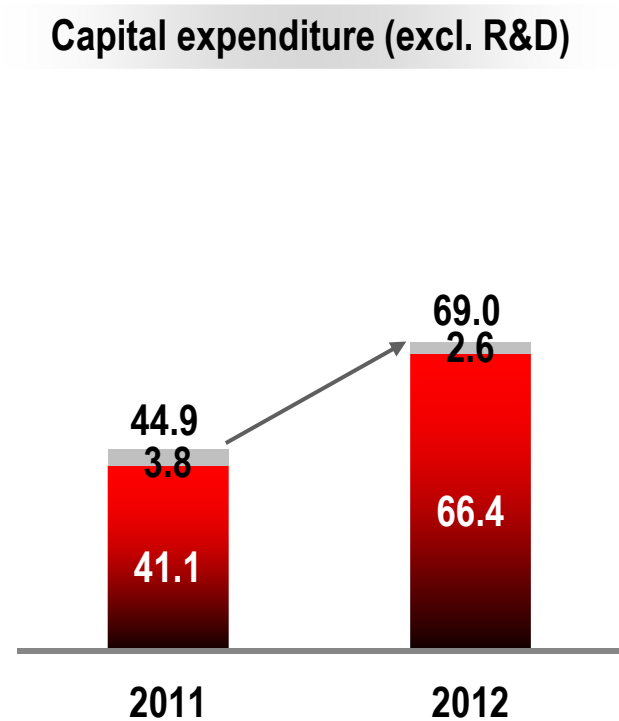
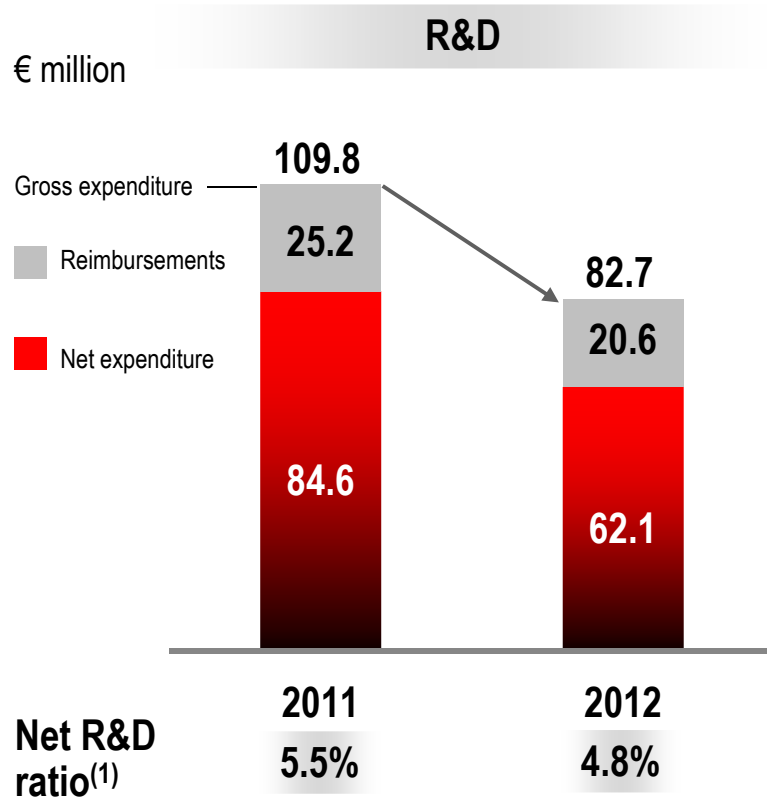
# EBIT



- Profitability mainly impacted by volume decline; improvement in Q4
- Profit contribution of Joint Ventures was a burden for EBIT in 2012
- Series start of new engines, higher depreciation and ramp-up cost of growth projects impacted EBIT margin
- Sale proceeds of minority stake in JV Bosch Emission Systems realised in Q4 2012 (reported in “Other” segment)
- Maintenance-related production line outage in Q1 and an impairment in Q4 with negative effect on profitability
- Further measures to reduce costs and improve earnings implemented

■ DEUTZ Compact Engines ■ DEUTZ Customised Solutions ■ Other

# R&D spending and capital expenditure

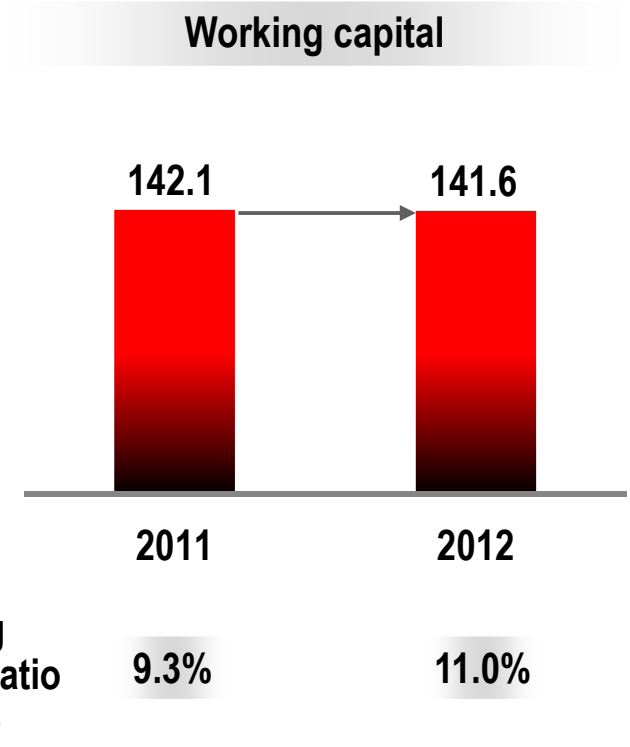
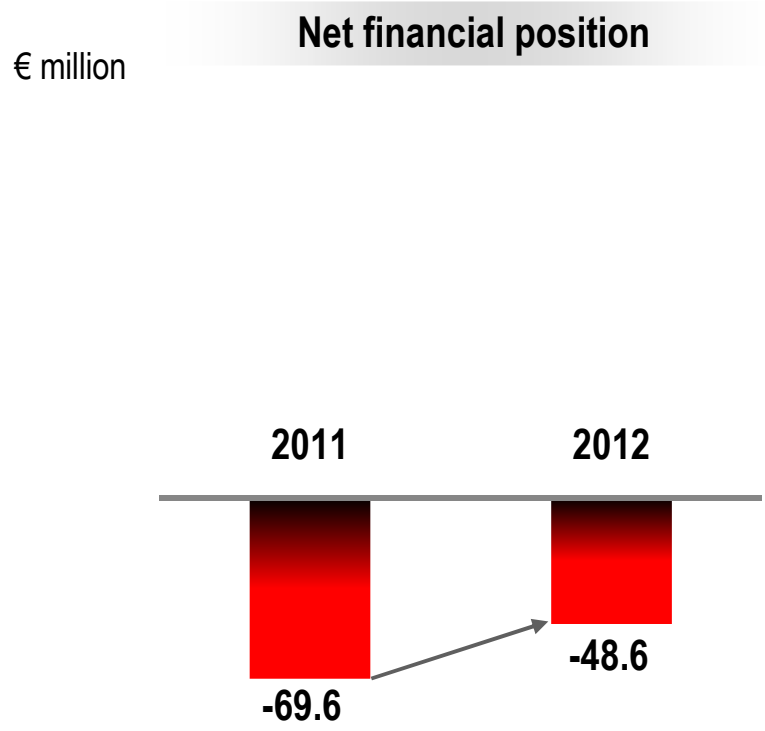


- R&D spending scaled back according to plan due to successful market launch of engines for new emission standard
- Proportion of capitalised net R&D expenditure: €44.2 million (FY 2011: €61.6 million)

- Increase of capital expenditure (after reimbursements) by €25.3 million mainly caused by series start of new engines

(1) Ratio of Net R&D expenditure to consolidated revenue

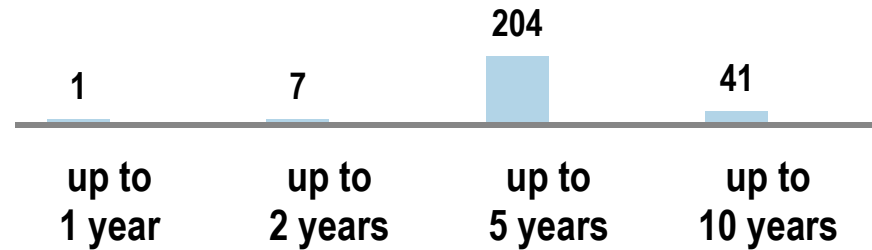
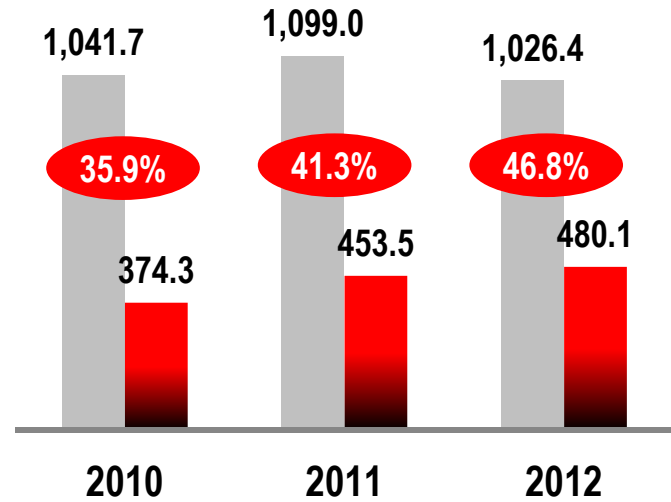
# Net financial position and working capital



- Net financial position improved by €21.0 million yoy
- Free cash flow €12.6 million (FY 2011: €4.8 million)
- Cash and cash equivalents at 31 Dec 2012 amount to €52.1 million (2011: €51.6 million)
- Working capital at previous year level
- Increase of working capital ratio due to lower revenue

# Financial strength and funding

€ million



■ Total assets ■ Equity **xx.x%** Equity ratio

■ Repayment schedule (residual term)

- New unsecured credit line of €160 million runs until June 2017
- Unsecured low-interest loan from European Investment Bank (€90 million) repayable over a period of eight years with a grace period of two years
- Former funding arrangements were replaced early July 2012
- New funding secures mid- to long-term funding of growth projects

**➔ Sound balance sheet, long-term funding of growth projects secured**

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# Financial outlook

€ million	FY 2012 reported	Guidance FY 2013
<b>Revenue</b>	1,291.9	> 1,400
<b>EBIT margin (%)</b>	3.0	> 3.0
<b>Net R&amp;D expenditure<sup>(1)</sup></b>	62.1	~ 55
<b>Net capex (excl. R&amp;D)<sup>(1)</sup></b>	66.4	60 - 70

(1) Net of reimbursements

- Results improvement expected in FY 2013
- Order intake in January and February 2013 improved again to the level of Q1 2012



## Unit sales assumptions for DEUTZ key markets

		2013
<b>Mobile Machinery</b>		
	Europe	flat
	North America	0 – 10%
	China	> 10%
<b>Agricultural Machinery</b>		
	Europe	flat
<b>Automotive</b>		
	Europe	flat
	China	> 10%

- Challenging market conditions in Europe expected to continue
- Revenue will grow faster than unit sales due to higher inherent value of new engines

## Financial calendar & contact details

- |  |         |                 |
|--|---------|-----------------|
| ■ Annual General Meeting   | Cologne | 30 April 2013   |
| ■ Interim report 1 <sup>st</sup> quarter 2013                    |         | 8 May 2013      |
| ■ Interim report 1 <sup>st</sup> half 2013                       |         | 8 August 2013   |
| ■ Interim report 1 <sup>st</sup> to 3 <sup>rd</sup> quarter 2013 |         | 7 November 2013 |

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