



Schaeffler AG – Analyst Day

November 20, 2015

Disclaimer

This presentation contains forward-looking statements. The words "anticipate", "assume", "believe", "estimate", "expect", "intend", "may", "plan", "project", "should" and similar expressions are used to identify forward-looking statements. Forward-looking statements are statements that are not historical facts; they include statements about Schaeffler Group's beliefs and expectations and the assumptions underlying them. These statements are based on plans, estimates and projections as they are currently available to the management of Schaeffler AG. Forward-looking statements therefore speak only as of the date they are made, and Schaeffler Group undertakes no obligation to update any of them in light of new information or future events.

By their very nature, forward-looking statements involve risks and uncertainties. These statements are based on Schaeffler AG management's current expectations and are subject to a number of factors and uncertainties that could cause actual results to differ materially from those described in the forward-looking statements. Actual results may differ from those set forth in the forward-looking statements as a result of various factors (including, but not limited to, future global economic conditions, changed market conditions affecting the automotive industry, intense competition in the markets in which we operate and costs of compliance with applicable laws, regulations and standards, diverse political, legal, economic and other conditions affecting our markets, and other factors beyond our control).

This presentation is intended to provide a general overview of Schaeffler Group's business and does not purport to deal with all aspects and details regarding Schaeffler Group. Accordingly, neither Schaeffler Group nor any of its directors, officers, employees or advisers nor any other person makes any representation

or warranty, express or implied, as to, and accordingly no reliance should be placed on, the accuracy or completeness of the information contained in the presentation or of the views given or implied. Neither Schaeffler Group nor any of its directors, officers, employees or advisors nor any other person shall have any liability whatsoever for any errors or omissions or any loss howsoever arising, directly or indirectly, from any use of this information or its contents or otherwise arising in connection therewith.

The material contained in this presentation reflects current legislation and the business and financial affairs of Schaeffler Group which are subject to change.

Agenda

- | | |
|---|--------------------------|
| 1 Overview | <i>K. Rosenfeld</i> |
| 2 Business profile and investment highlights | <i>K. Rosenfeld</i> |
| 3 Technology and R&D | <i>Prof. Dr. Gutzmer</i> |
| 4 Production and Operational Excellence | <i>O. Jung</i> |

Schaeffler Group – A leading integrated automotive and industrial supplier

Schaeffler at a glance

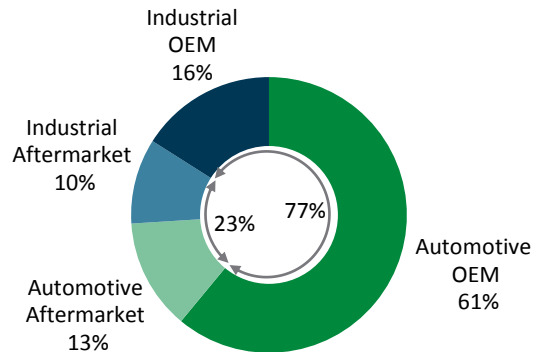
- ▶ Leading integrated automotive and industrial supplier of high-precision components and systems
- ▶ Global footprint with around 84,000 employees at about 170 locations in more than 50 countries
- ▶ Balanced business portfolio across sectors, geographies and diversified customer base with leading market positions
- ▶ Sizeable aftermarket exposure contributes to stable financial performance
- ▶ Highly attractive profitability and cash returns

Key financials

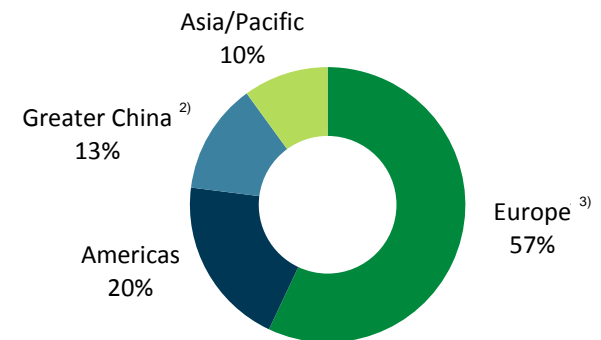
in EUR mn unless otherwise indicated

	2014	9M 2015
Sales	12,124	9,982
% growth (y-o-y)	8.2%	10.6%
EBITDA	2,172	1,765
% margin	17.9%	17.7%
EBIT	1,523	1,251
% margin	12.6%	12.5%
EBIT margin Automotive	13.8%	13.3%
EBIT margin Industrial	9.1%	10.2%

Sales by division (2014)



Sales by region (2014)¹⁾



1) Market view (= location of customer)

2) China, Hong Kong and Taiwan

3) EMEA, Russia and India

Our history – From a technological pioneer to a global player

1946

Dr. Wilhelm and Dr.-Ing. E.h. Georg Schaeffler establish INA



1949

Development of the needle roller cage



1957

First foreign plant in Llanelli, Great Britain



1958

Close to the customer: Plant opening in Sao Paulo, Brazil



1969

Entering a new market, North America: INA's company in Cheraw, South Carolina



1992

Milestone for the development of the growth region Asia: Plant in Ansan, Korea



1995

Schaeffler in China: establishing the INA Bearings in Taicang



1996

Maria-Elisabeth Schaeffler-Thumann and son Georg F.W. Schaeffler take over



1999

Acquisition of LuK GmbH



2002

Acquisition of FAG Kugelfischer Georg Schäfer AG



2008

Schaeffler acquires strategic stake of Continental AG



2014

Production of the 100 millionth dual mass flywheel



2015

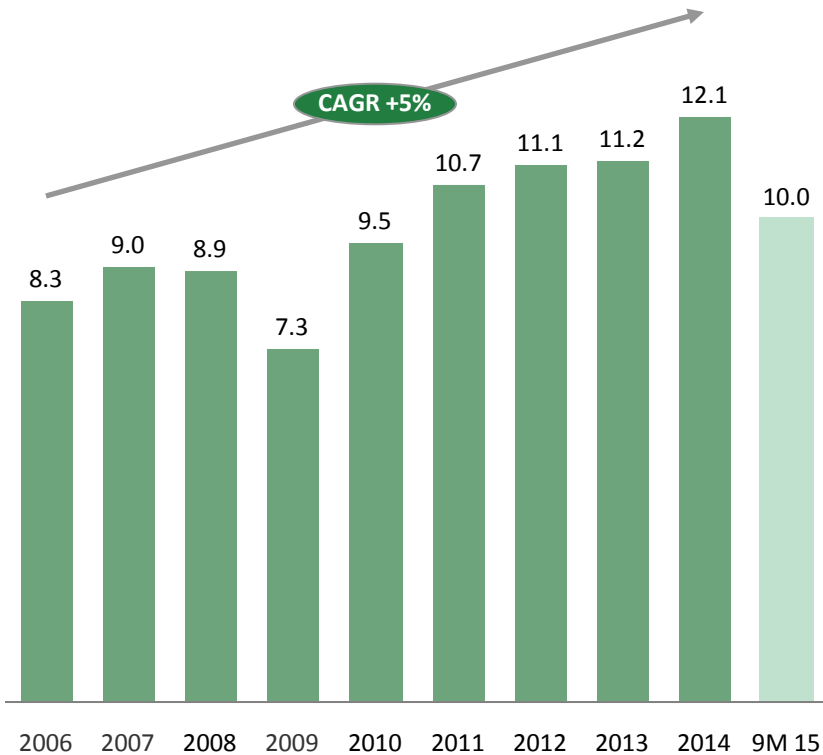
Schaeffler AG goes public



Strong track record of above-average growth and profitability

Development of sales 2006 – YTD 2015¹⁾

in EUR bn



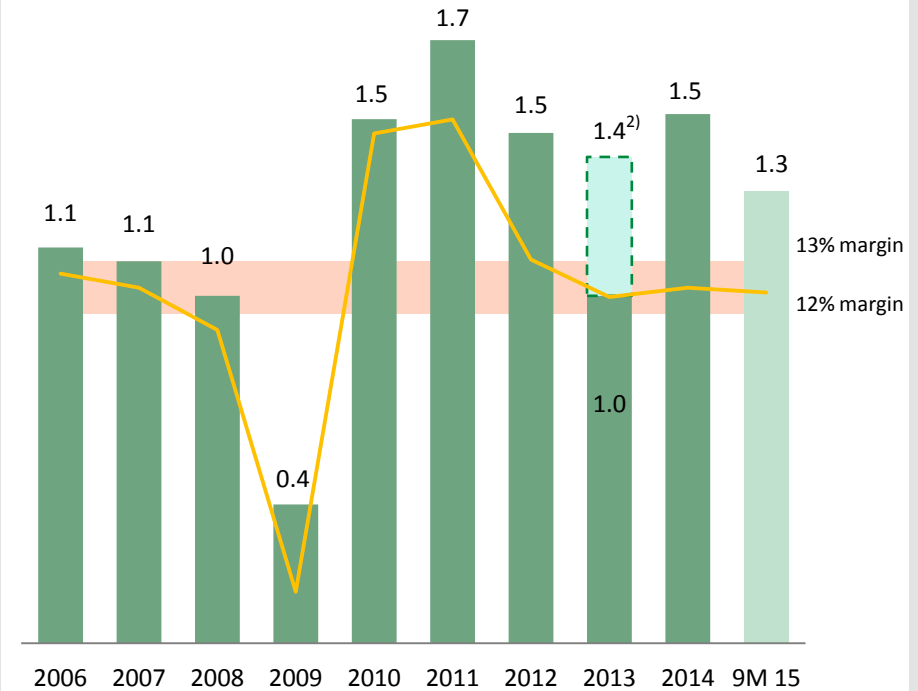
Sales growth (y-o-y)

4.7%	8.4%	-1.2%	-17.6%	29.4%	12.6%	4.0%	0.7%	8.2%	10.6%
------	------	-------	--------	-------	-------	------	------	------	--------------

1) 2006-2010 relates to financials of a different entity (Schaeffler VZ GmbH)

Development of EBIT 2006 – YTD 2015¹⁾

in EUR bn



Group EBIT EBIT margin (in %)

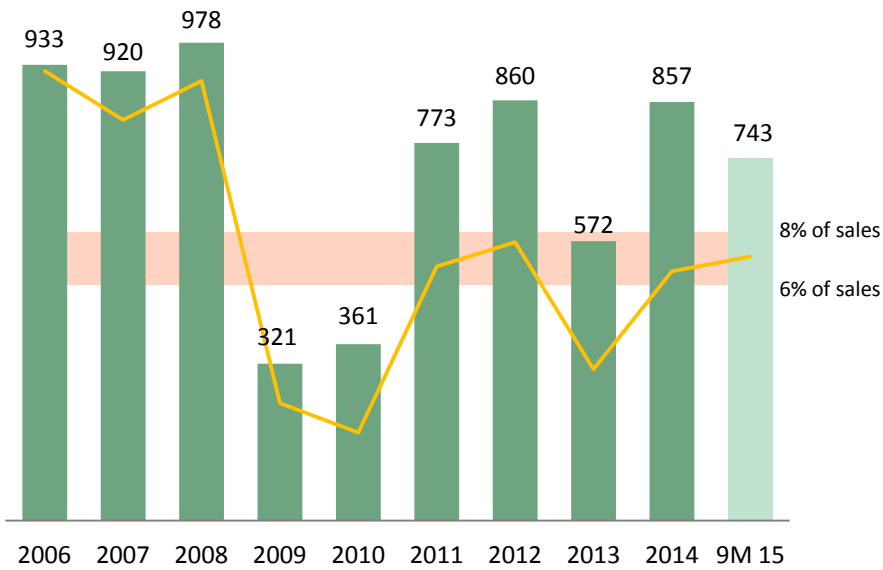
12.9%	12.6%	11.7%	6.1%	15.9%	16.2%	13.2%	12.4% ²⁾	12.6%	12.5%
-------	-------	-------	------	-------	-------	-------	---------------------	-------	--------------

2) Before provision for EU antitrust fine of EUR 380 mn

Proactive cash flow management over the cycle

Development of capital expenditures 2006 – YTD 2015¹⁾

in EUR mn



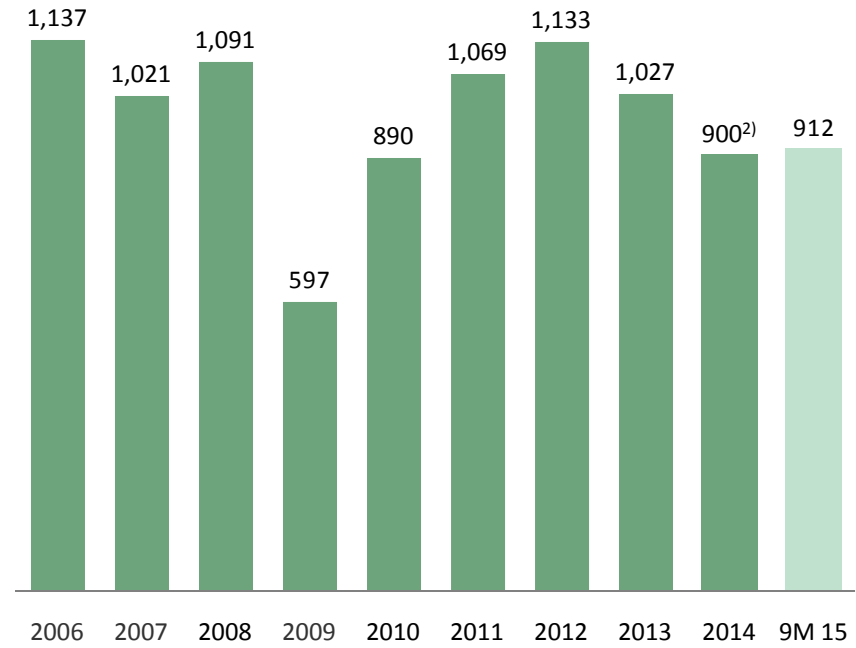
in % of sales



1) 2006-2010 relates to financials of a different entity (Schaeffler VZ GmbH)

Development of Operating Cash Flow 2006 – YTD 2015¹⁾

in EUR mn



Free Cash Flow



2) Adjusted for acquisition of Continental AG
3) Adjusted for EU antitrust fine of EUR 371 mn

Our success factors - Quality, technology and innovation

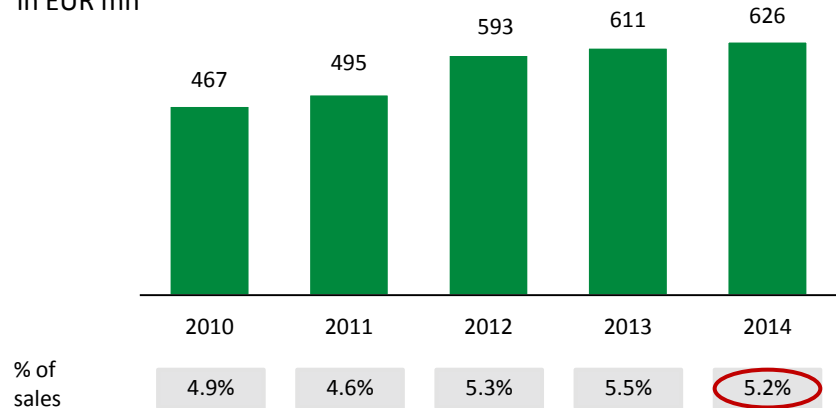
Outstanding application expertise and production technology

- 1 Quality, Technology and Innovation:
 - ▶ More than 50 quality awards in 2014
 - ▶ State-of-the-art Plants, R&D and testing facilities
 - ▶ Rank 2 in number of patent registrations in Germany

- 2 High level of application and system expertise:
 - ▶ Automotive: Know-how of the entire drivetrain allows offering of customized (patented) solutions
 - ▶ Industrial: Deep bearings product know-how allows offering of high-quality standard as well as customized solutions

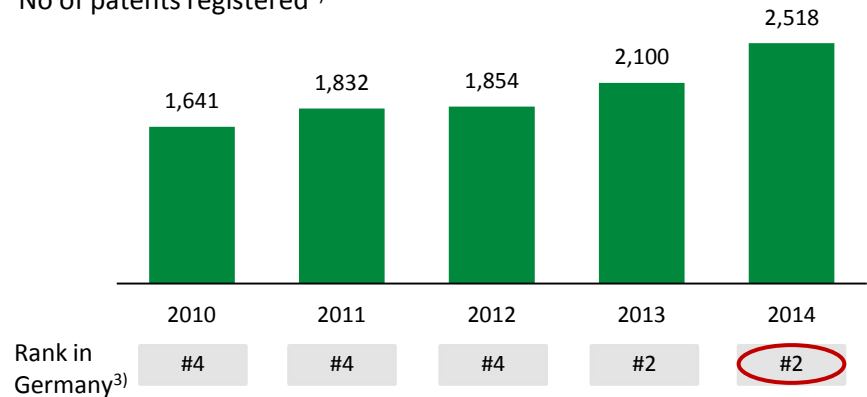
- 3 Unique manufacturing process and production know-how allowing for production of complex parts at low cost, high quality and in high volumes:
 - ▶ Technology leader in Cold Forming, Forging and Heat Treatment
 - ▶ In-house Industrial Engineering with more than 9,800 people (covers entire manufacturing process)
 - ▶ In-house Tool Management & Prototyping with more than 4,400 people
 - ▶ In-house Special Machinery department with more than 1,400 people

Significant R&D spend¹⁾ in EUR mn



1) 2010 relates to financials of a different entity (Schaeffler VZ GmbH)

Best-in-class innovation platform No of patents registered²⁾



2) German Patent and Trademark Office

3) Overall rank

Customer base – Global and diversified customer base

Automotive customers

Other customers ~40%



Total: ~7,500 customers

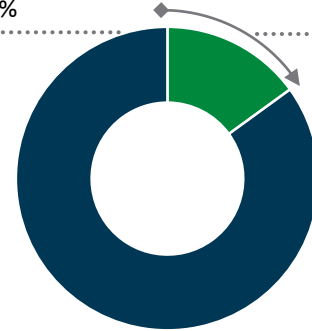
~ 75% of Schaeffler sales (9M 15)

Top 10 customers

~60% of Automotive sales

Industrial customers

Other customers ~85%



Total: ~14,500 customers

~ 25% of Schaeffler sales (9M 15)

Top 10 customers

~15% of Industrial sales

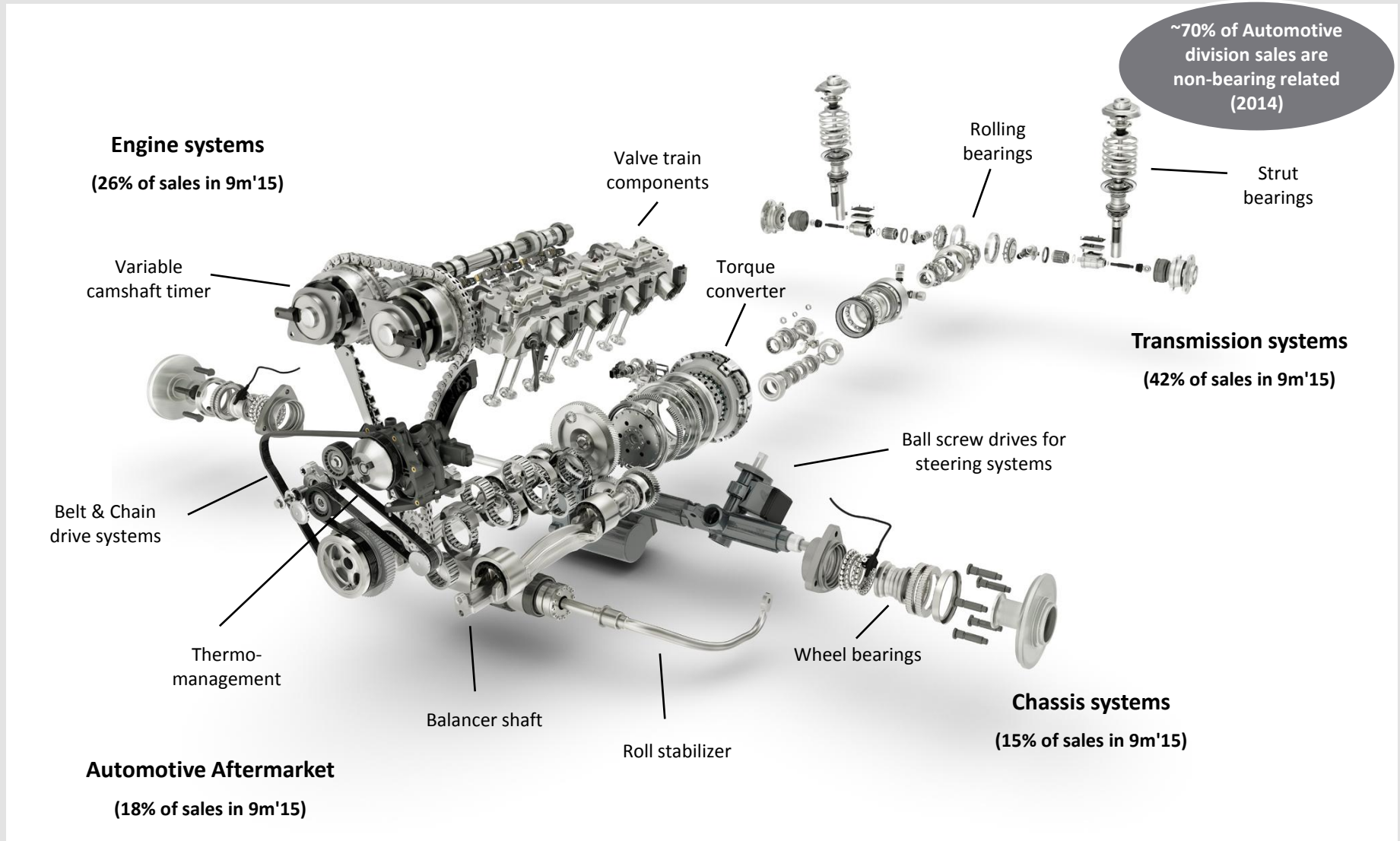
Top 10 customers



Top 10 customers

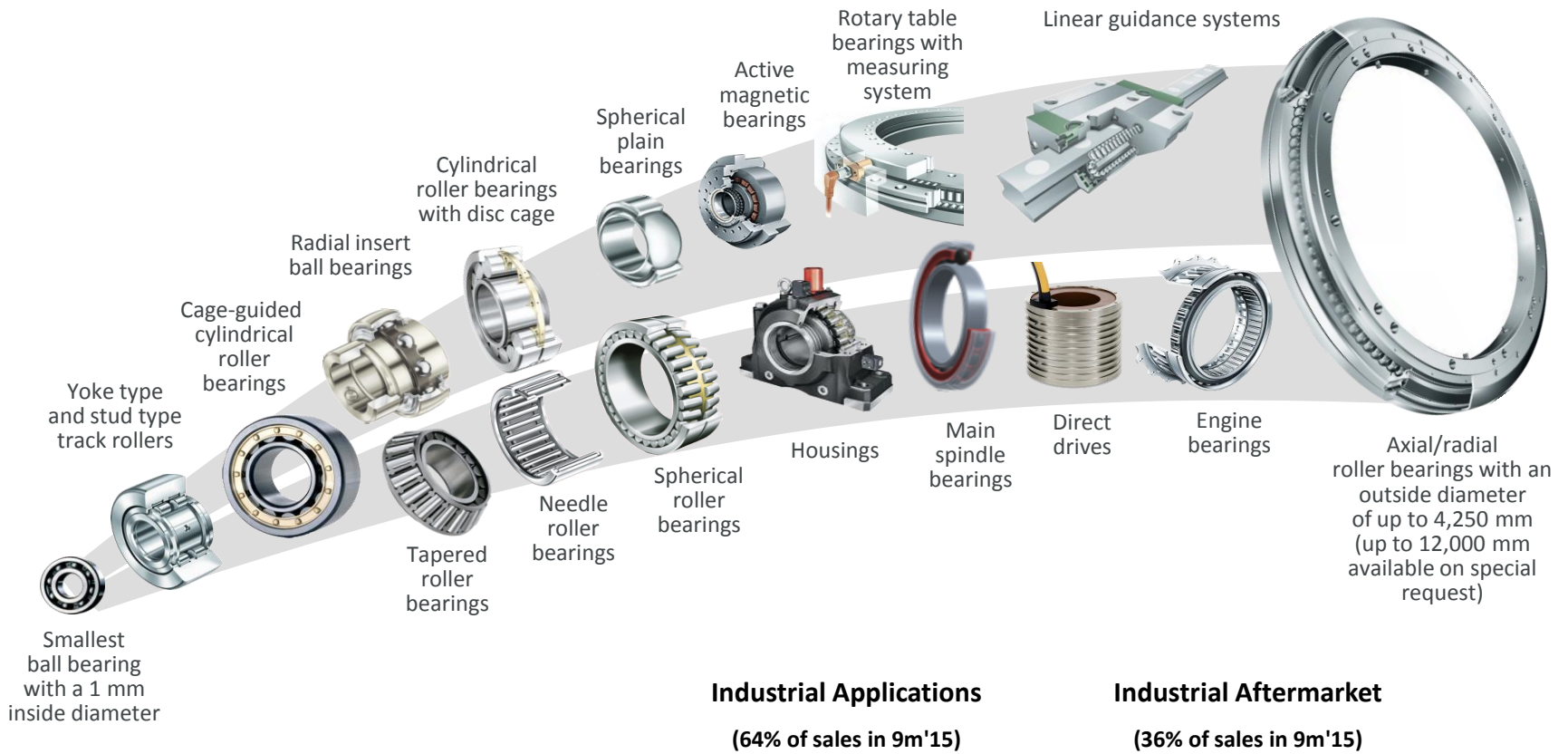


Product offering – Leader for critical components and systems in automotive



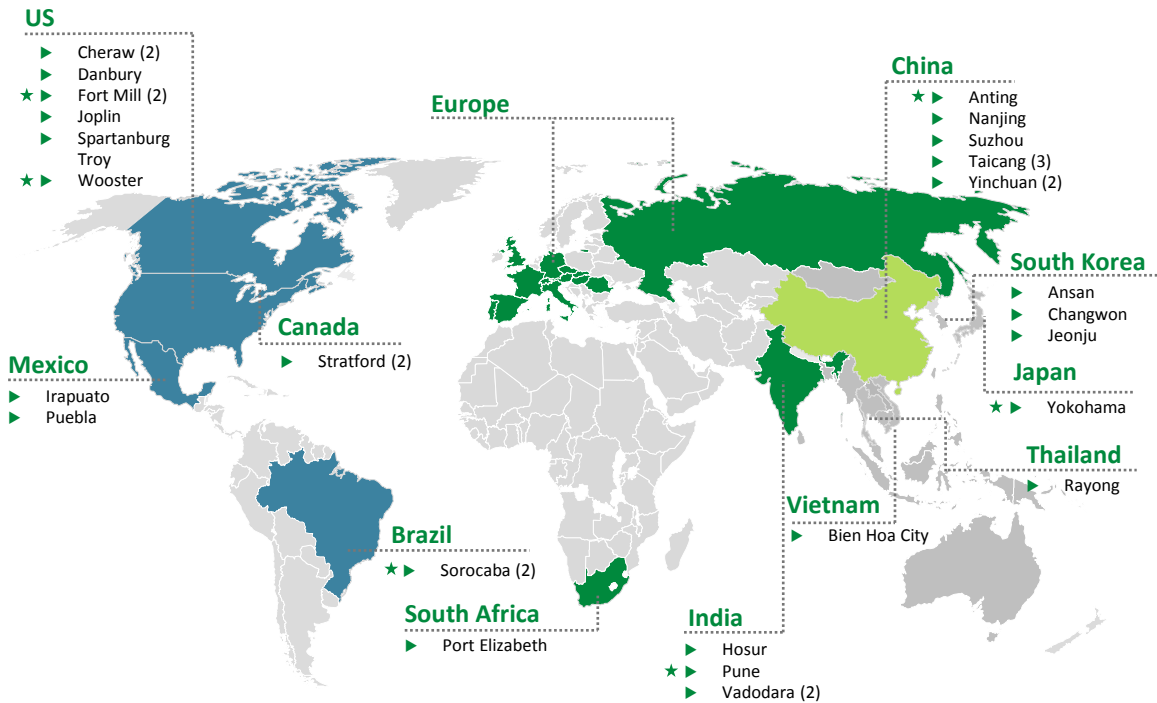
Product offering – Leading bearing supplier to over 60 industrial sectors

~ 85% of Industrial division sales are bearing related (2014)



Footprint – Integrated global manufacturing and R&D

Global footprint



- ▶ Manufacturing sites
- ★ R&D Centers

	Europe	Americas	Greater China	Asia/Pacific	Total
Manufacturing sites	48	14	7	5	74
R&D Centers	9	4	1	2	16

Europe

Germany

- ★ ▶ Bühl
- ★ ▶ Herzogenaurach
- ★ ▶ Homburg (3)
- ★ ▶ Schweinfurt (2)
- ▶ + 17 other German sites

Italy

- ▶ Momo

Portugal

- ▶ Caldas da Rainha

Austria

- ▶ Berndorf-St. Veit

Romania

- ★ ▶ Braşov

Czech Republic

- ▶ Lanskroun

Russia

- ▶ Uljanowsk

France

- ▶ Calais
- ▶ Chevilly
- ★ ▶ Haguenau (2)

Slovakia

- ★ ▶ Kysucké Nové Mesto
- ▶ Skalica

Great Britain

- ▶ Llanelli
- ▶ Plymouth
- ▶ Sheffield

Spain

- ▶ Elgoibar

Hungary

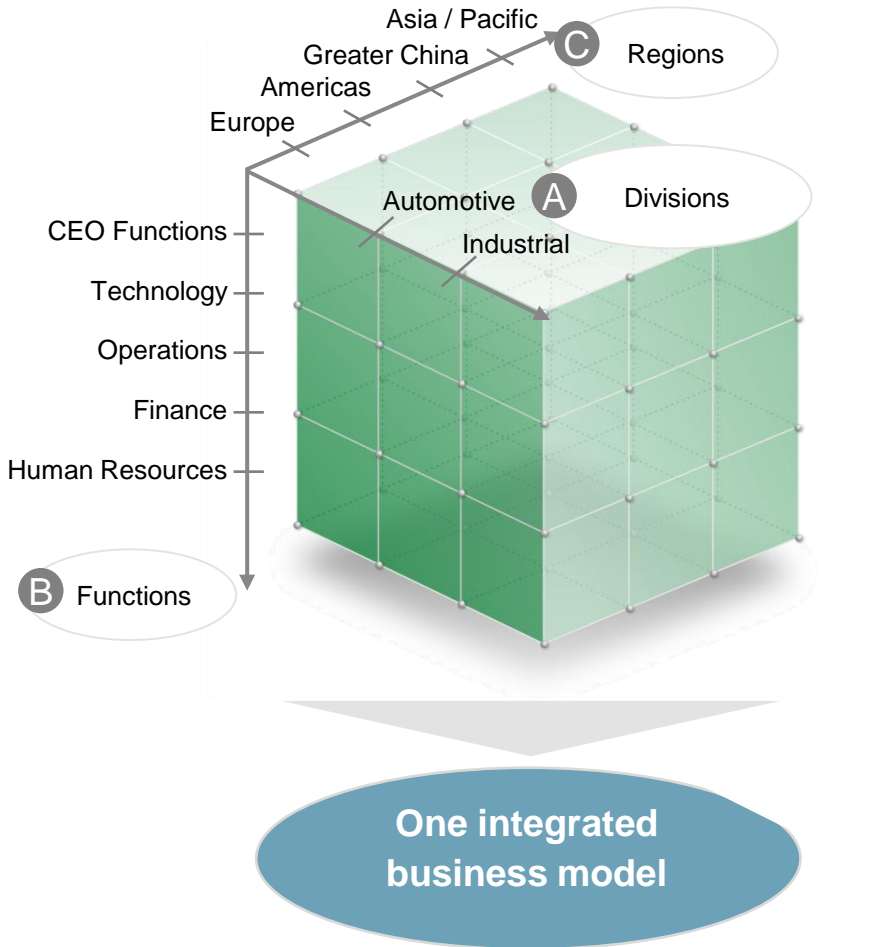
- ▶ Debrecen
- ★ ▶ Szombathely

Switzerland

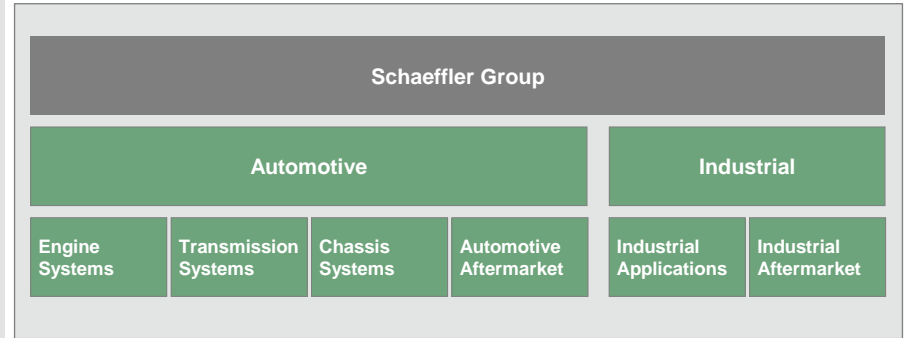
- ▶ Romanshorn

Organisational structure and management team

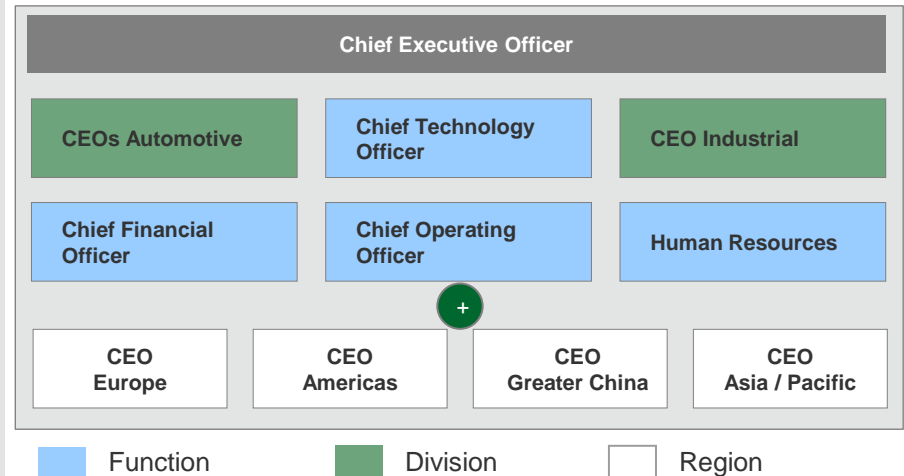
3-dimensional matrix



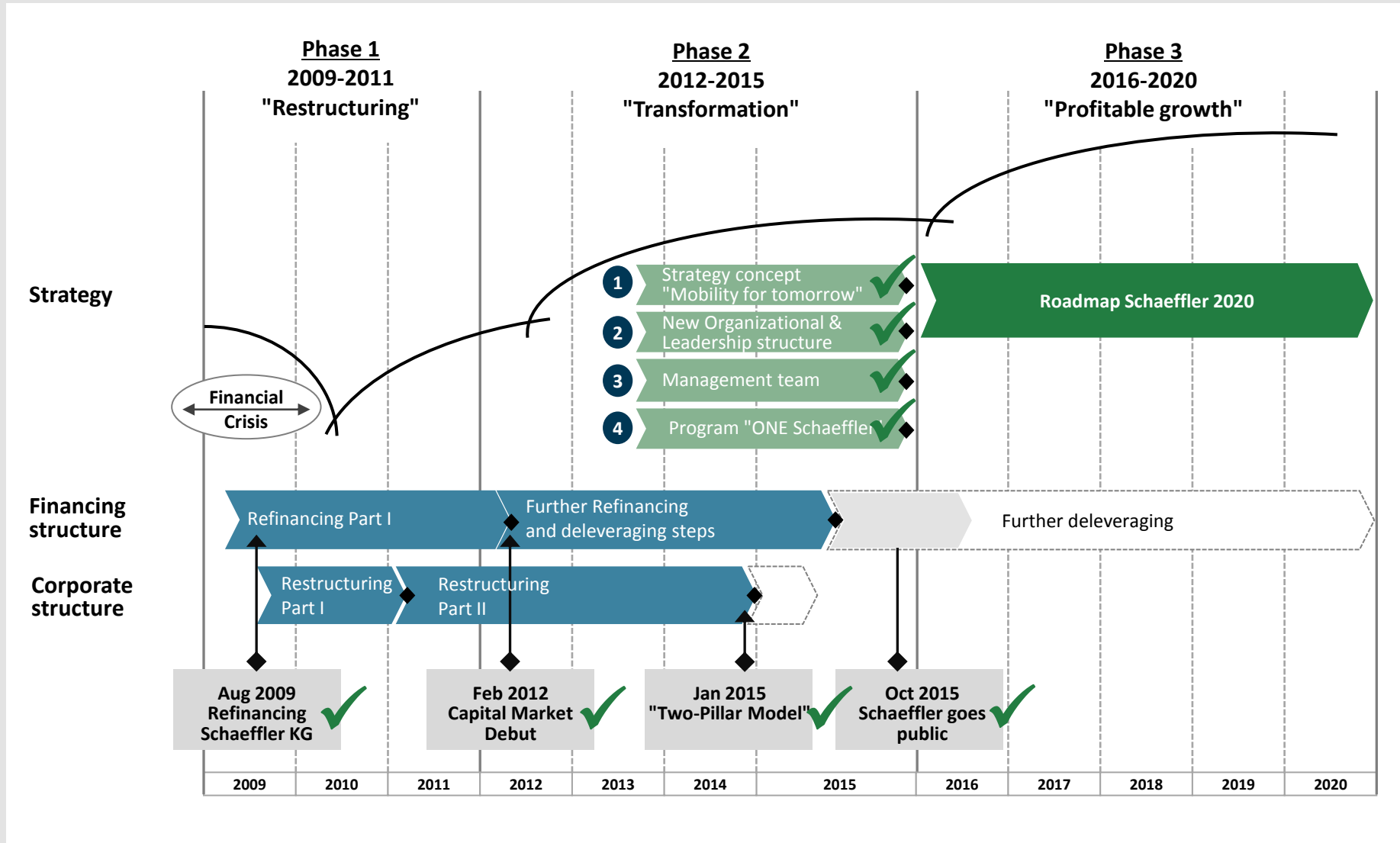
Divisions and business divisions



Leadership structure



Chronology 2009 – 2015 – The "Schaeffler story"



Our strategic concept – Long-term growth from “Mobility for tomorrow”

Key mega trends

Society trends	<ul style="list-style-type: none"> ▶ Urbanization ▶ Population growth
Technology trends	<ul style="list-style-type: none"> ▶ Increasing complexity ▶ Digitalization
Environmental trends	<ul style="list-style-type: none"> ▶ Renewable energies ▶ Availability of resources
Economic trends	<ul style="list-style-type: none"> ▶ Globalization ▶ Affordability

4 focus areas

1 Eco-friendly drives

2 Urban mobility

3 Interurban mobility

4 Energy chain

“Mobility for tomorrow”

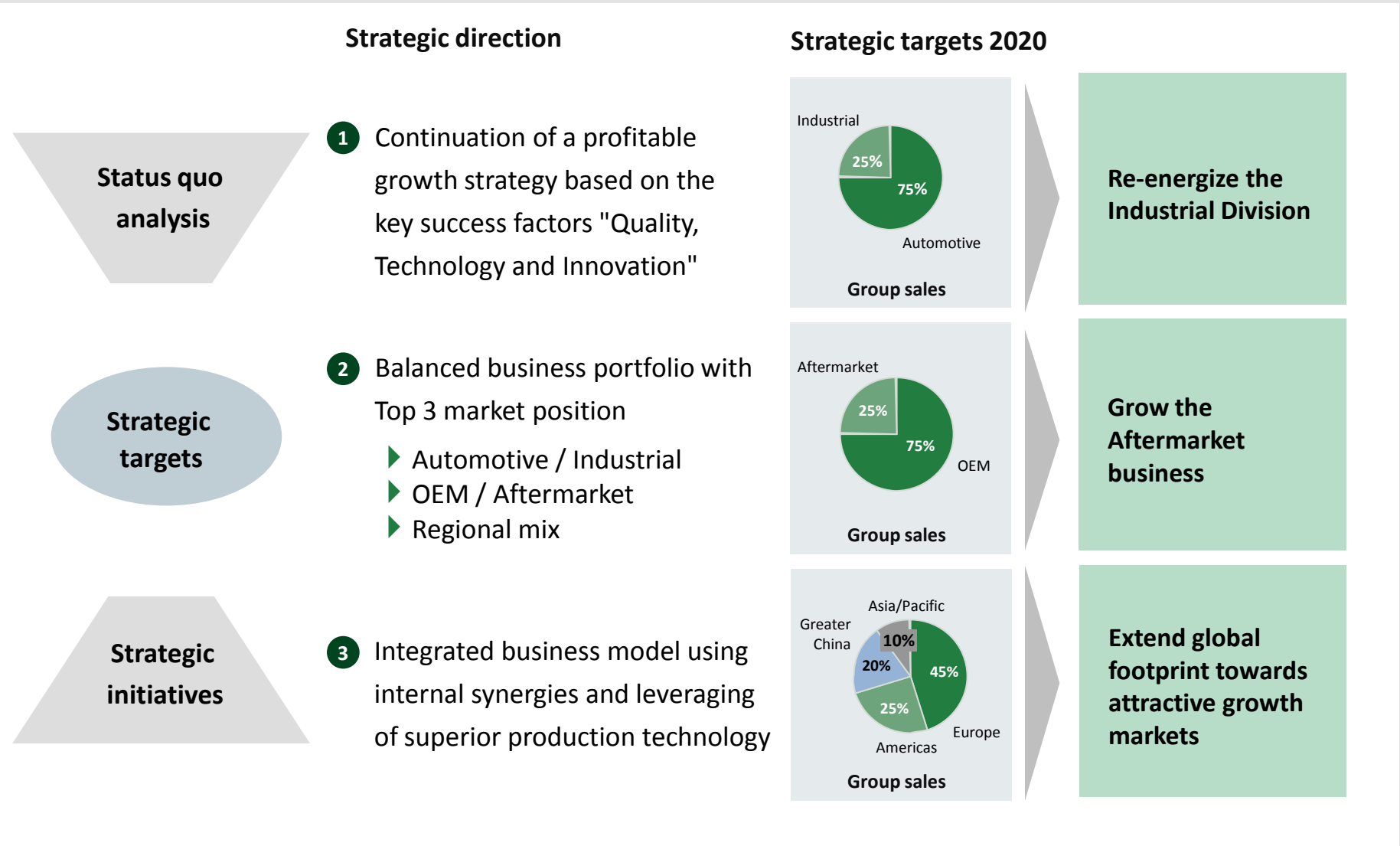
Offering solutions in Automotive...

Schaeffler Hybrid (USA), Fiesta eWheelDrive (EU), Schaeffler CO₂ concept-10% (EU), Schaeffler ACTIVE DRIVE (USA), Gasoline Technology Car (EU), China Concept Car (China), Schaeffler Efficient Future Mobility North America (USA), System 48V (EU), Schaeffler Efficient Future Mobility India (India)

... and in Industrial

Aircraft (USA), Innovation Tractor (EU), Machine Tool (EU), Train (USA), Innovation Scooter & Motorcycle (India, China)

Overview Strategic targets – "Roadmap Schaeffler 2020" in preparation



Schaeffler equity story

3 pillars

1

Out-performance in Automotive

- ▶ 9M FX-adjusted sales growth of 6.5%, EBIT-margin at 13.3%
- ▶ Best-in-class business with superior growth and margin profile
- ▶ Out-performance of global light vehicle production on average by 6% per annum over the last four years

2

Margin upside in Industrial

- ▶ 9M FX-adjusted sales growth of -2.2%, EBIT-margin at 10.2%
- ▶ Margin upside from CORE program: EBIT-margin target of 13% by 2018
- ▶ Strategic sales target: Industrial division contributes 25% to Group sales by 2020

3

Upside on Free Cash Flow generation

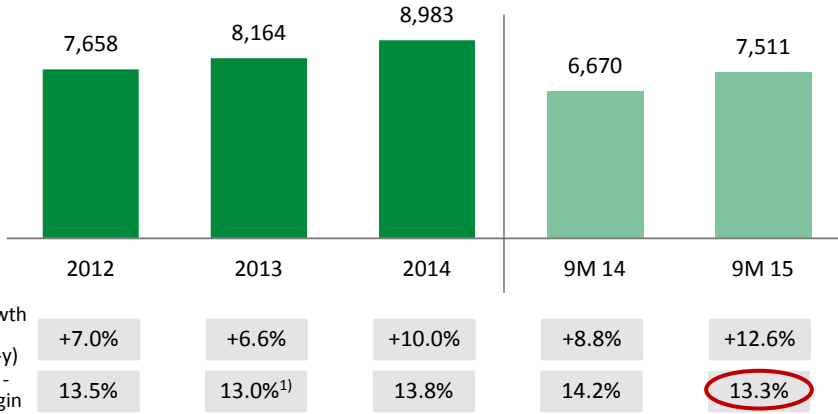
- ▶ Free Cash Flow generation of EUR 192 mn in 9M period with significant upside potential from lower interest costs going forward
- ▶ Further deleveraging from operational cash flow (EUR1bn by 2018)

Profitable growth

1 Automotive division again strongly outperforms the market in 9M

Sales and EBIT margin

in EUR mn



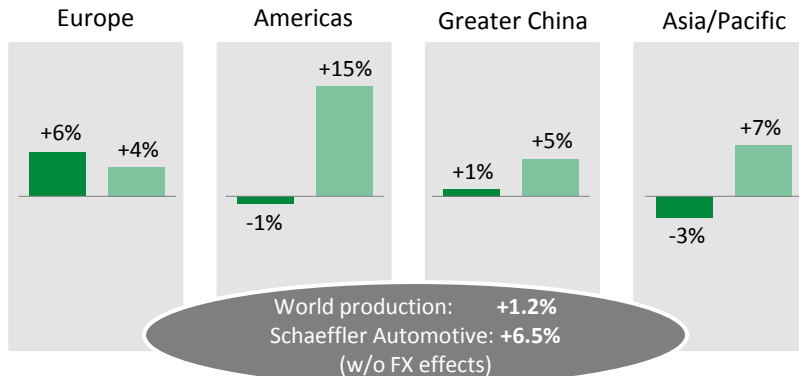
Growth rate (y-o-y)
EBIT-margin

1) Before provision for EU antitrust fine of EUR 380 mn

Sales development by business division

	9M 14	9M 15	Δ	Δ excl. FX effects
Engine Systems	1,674	1,937	+15.7%	+6.8%
Transmission Systems	2,814	3,164	+12.4%	+5.8%
Chassis Systems	1,014	1,098	+8.3%	+3.0%
Automotive Aftermarket	1,168	1,312	+12.3%	+10.8%
Total	6,670	7,511	+12.6%	+6.5%

Sales and market development Automotive



Production of light vehicles 9M 15 vs 9M 14 (IHS)

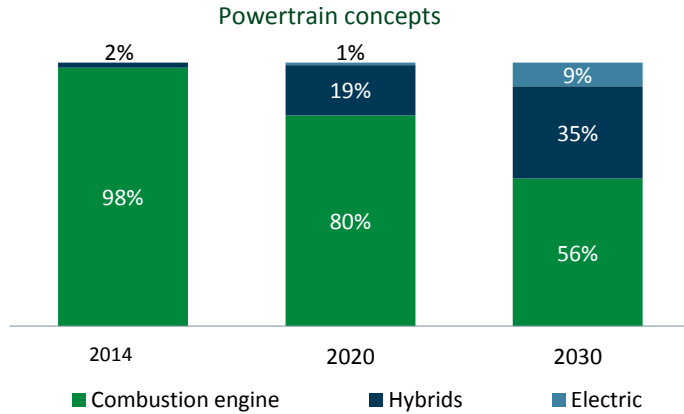
Sales growth (w/o FX effects) Schaeffler Automotive 9M 15 vs 9M 14

Key aspects

- ▶ Engine Systems: Ramp-up of new TMM; strong demand for valve train components; Temporary weakness in China
- ▶ Transmission Systems: Significant growth in torque converters; growing content with local OEMs in China
- ▶ Chassis Systems: Strong demand for 3rd generation of wheel bearings and ball screw drives
- ▶ Automotive Aftermarket: Strong demand for service kits in Europe and expansion of product portfolio in Americas

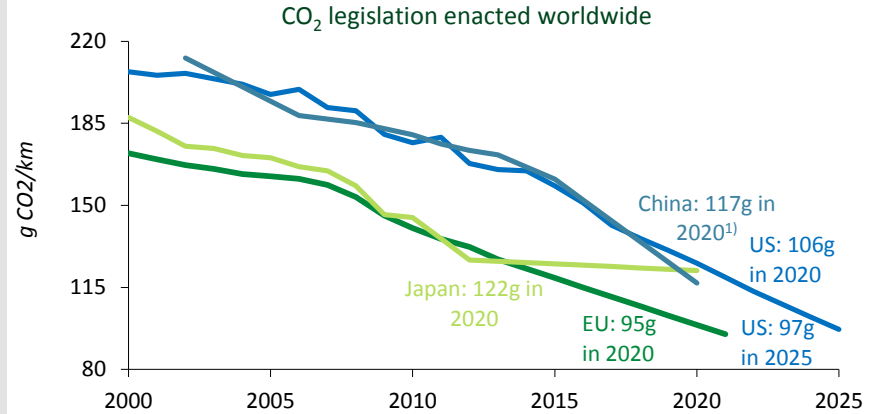
1 Automotive – Best-in-class business with superior growth and margin profile

Combustion engine dominant but will be further electrified...



Source: University of Duisburg-Essen, IHS

...to meet CO₂ reduction targets



1) Proposed 2020 targets

Source: icct (November 2014)

Key CO₂ emission reduction trends...

Engine	<ul style="list-style-type: none"> ▶ Friction reduction ▶ Efficiency increase 	<ul style="list-style-type: none"> ▶ Thermal management ▶ Start-Stop systems
Transmission	<ul style="list-style-type: none"> ▶ Friction reduction ▶ Torsional vibration isolation 	<ul style="list-style-type: none"> ▶ Increased automation ▶ More gears ▶ Clutch-by-Wire
Chassis	<ul style="list-style-type: none"> ▶ Friction reduction ▶ Weight reduction 	<ul style="list-style-type: none"> ▶ Power on demand ▶ 48 V solutions
Hybridization Electrification	<ul style="list-style-type: none"> ▶ Micro&Mild hybrid ▶ Full hybrid ▶ Plug-In hybrid 	<ul style="list-style-type: none"> ▶ Electric Vehicle ▶ 48 V solutions

...and our market leading solutions



- ▶ High precision components and systems for increased variability in combustion engines
- ▶ Dominant market position in valve-train components
- ▶ Innovative Thermal Management Module



- ▶ Most comprehensive product offering for all transmission technologies; broad bearings portfolio
- ▶ Outstanding know-how in damper technologies, clutches, torque converters and actuators



- ▶ Mechatronic systems offerings
- ▶ Strong market position in wheel bearings

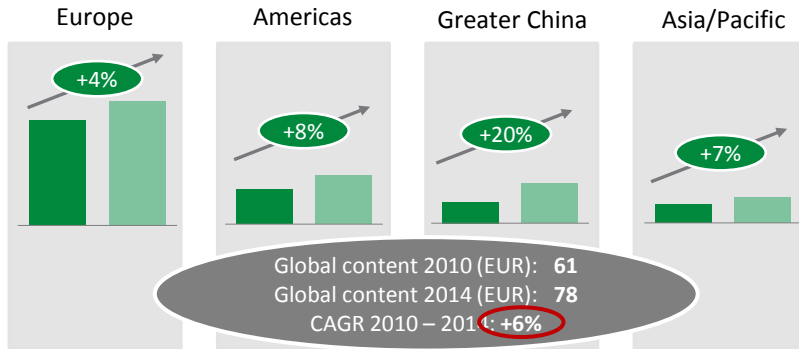


- ▶ 48V and high-voltage Hybrid modules for Full and Plug-in Hybrids
- ▶ Complete electric axles for 48V and high-voltage systems for all-electric driving and implementation of all-wheel drive

1) Part of BD Transmission Systems

1 Automotive – Best-in-class business with superior growth and margin profile

Content per vehicle growth¹⁾

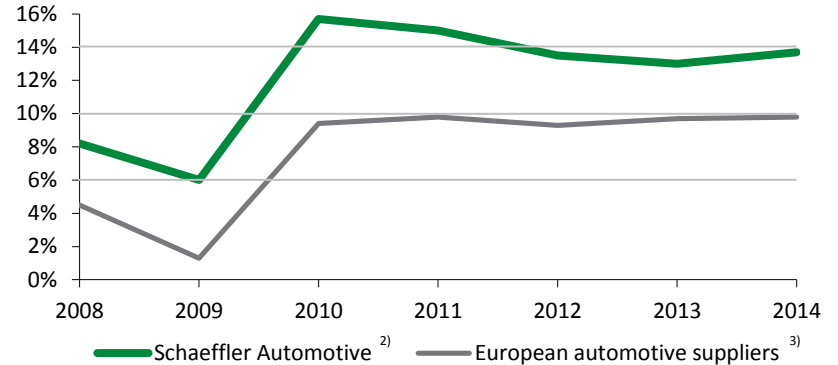


■ Product content per vehicle 2010
 ■ Product content per vehicle 2014

1) Content per vehicle is calculated as ratio of relevant Schaeffler Automotive sales (excl truck sales, aftermarket sales and FX effects) to regional number of light vehicles produced as calculated by the Company
 Source: IHS Automotive for light vehicle production

Leading sector margins

EBIT margin (%)



2) Schaeffler Automotive 2013 EBIT margins before provision for EU antitrust fine of EUR 380 mn

3) European auto suppliers EBIT margins calculated as average of EBIT margins for Autoliv, Brembo, Continental, EirongKlinger, GKN, Hella, Leoni, Norma, Stabilus and Valeo
 Source: Company filings, FactSet

Example: Schaeffler China Concept Car



- ▶ A worldwide applicable plug-in hybrid powertrain with 6.4 kWh battery, developed in China to fulfill stringent future fuel economy targets
- ▶ Hybridized 6-speed dry DCT, enabling on-demand connection of engine thanks to P2 module with 41 kW / 180 Nm e-Motor
- ▶ 1.0l, 3-cylinder gasoline turbo engine, 92 kW / 170 Nm, front-wheel drive

Fuel reduction potential of 25% - 65%

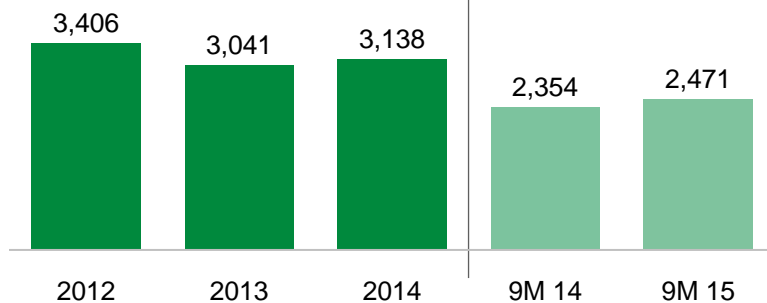
- P2 Hybrid Module with dry disconnection clutch
- Dry dual clutch, Electromechanical clutch & gear actuation, control software
- Optimized combustion engine: VCT on intake-/exhaust-side & coated tappets, electric water pump
- PROtronic hybrid powertrain prototype control unit from Schaeffler Engineering

- Outstanding fuel saving compared to original vehicle:
 - - 25% with depleted battery
 - - 65% in plug-in operation
- Excellent driving dynamics (boost) & comfort

2 Industrial division with mixed development in 9M

Sales and EBIT margin

in EUR mn

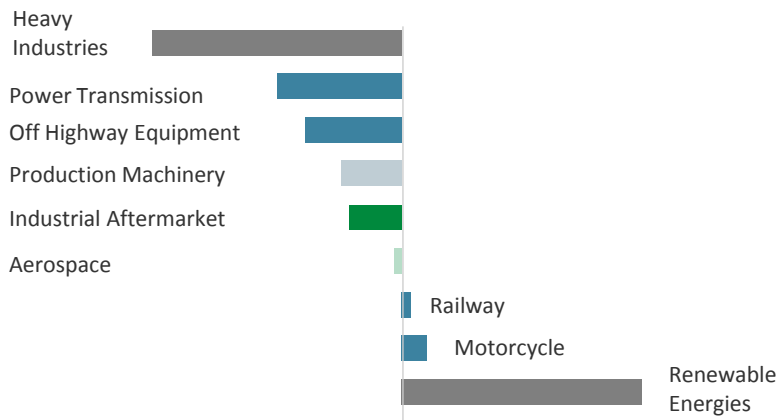


	2012	2013	2014	9M 14	9M 15
Growth rate (y-o-y)	-1.6%	-10.7%	+3.2%	+2.7%	+5.0%
EBIT -margin	12.7%	10.7%	9.1%	12.1%	10.2%

Sales development Industrial

	9M 14	9M 15	Δ	Δ ex FX effects
Industrial Applications	1,489	1,571	+5.5%	-1.7%
Industrial Aftermarket	865	900	+4.0%	-2.9%
Total	2,354	2,471	+5.0%	-2.2%

Sales by sector 9M 15 vs 9M 14 (FX-adjusted)



Key aspects

- ▶ Industrial OEM business with mixed development across sectors
 - Positive development in Renewable Energies, mainly Wind
 - Continuing weak market in Heavy Industries, especially Mining and Steel; Weakness in Industrial Transmissions
- ▶ Industrial Aftermarket:
 - Stable business in Europe
 - Weakness in North America, mainly Oil & Gas and Mining related as well as in China

2 Industrial – Growth and margin upside from re-aligning the business

Key issues Industrial division

- 1 Sales development and profitability below expectation
- 2 Decreasing market share with high-volume products
- 3 Delivery performance with room for improvement
- 4 Production footprint geared towards Europe
- 5 Product and business portfolio very broad
- 6 Organizational structure with too much emphasis on central functions

Strategic target

Industrial business contributes 25% to Group sales by 2020

Re-energizing the Industrial business by Program CORE

13% EBIT margin by 2018

Profitability target

2 Industrial – Growth and margin upside from re-aligning the business

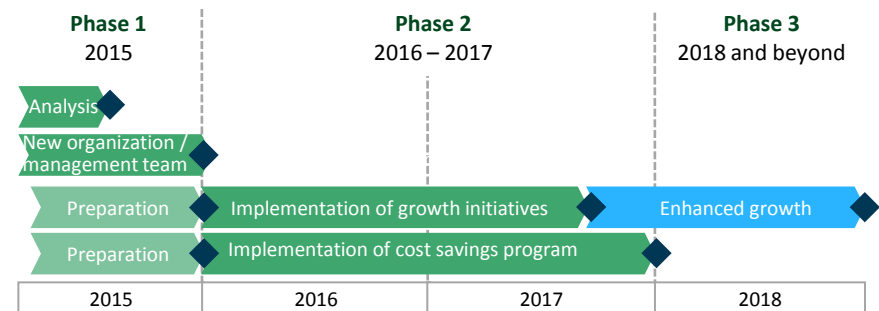
Overview of Program CORE

Key elements	Actions
1 Optimized product and service portfolio	<ul style="list-style-type: none"> ▶ Strengthen high-volume market sales ▶ Balance customized product business/engineering solutions ▶ Enforce market penetration of service/digitalization
2 High delivery performance	<ul style="list-style-type: none"> ▶ Establish European distribution centers (EDC) with target investment of EUR 200 mn to ensure immediate product availability ▶ Increase level of standardization ▶ Implement high runner product program with 24/48h delivery time
3 Higher customer orientation	<ul style="list-style-type: none"> ▶ Strengthen sales organizations in the regions ▶ Strengthen regional engineering/ customer support centers ▶ Establish dedicated global key account management
4 Cost savings and efficiency improvements	<ul style="list-style-type: none"> ▶ Reduce workforce by up to 500 people ▶ Re-dimension central departments ▶ Drive cost saving program including material cost, efficiency gains and overhead reduction

Key achievements CORE in 2015

- ▶ New organization structure with strong regional focus agreed; new management team in place
- ▶ Agreement¹⁾ with works council regarding headcount reduction program signed
- ▶ Good progress in particular with respect to EDC²⁾ (EDC North and South have already started operations)

Indicative implementation plan



1) "reconciliation of interests" 2) EDC = European Distribution Center

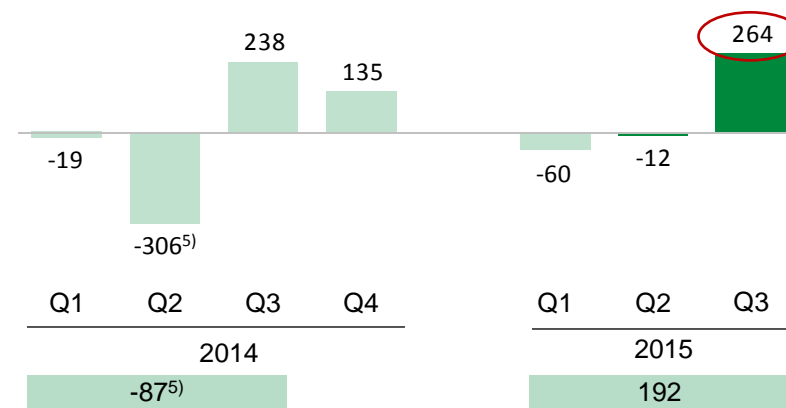
3 Strong underlying free cash flow generation

	2014	9M 14	9M 15
EBITDA	2,172	1,703	1,765
Interest paid	(520)	(388)	(430)
Interest received	8	4	41
Income taxes paid	(277)	(197)	(247)
Working capital change ¹⁾	(121)	(428)	(273)
Others ²⁾	(362)	(284)	56
CF from Operations	900	410	912
One-time effects	485 ³⁾	485 ³⁾	173 ⁴⁾
CF from Op. before one-offs	1,385	895	1,085
Capex	(857)	(500)	(743)
<i>in % of Sales</i>	7.1%	5.5%	7.4%
Others	5	3	23
CF from Investments	(852)	(497)	(720)
Free Cash Flow	48	-87	192
FCF before one-offs	533	398	365

1) Working capital change incl. changes in inventories, trade receivables and trade payables. 2) Others incl. dividends received, (gains)/losses on disposal of assets, changes in provisions for pensions/similar obligations and changes in other assets, liabilities and provisions. 3) EUR 114 mn refinancing charges and EUR 371 mn reversal of EU antitrust provisions. 4) EUR 173 mn refinancing charges for early redemption of bond. 5) Includes EU-antitrust fine of EUR 371 mn

Free cash flow development

in EUR mn



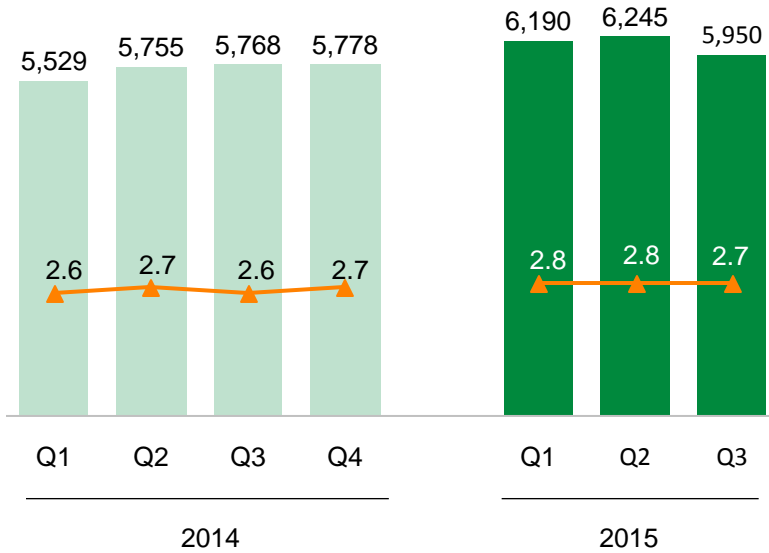
Key aspects

- ▶ 9M 2015 Cash Flow from operations before one-offs increased by 21% to EUR 1,085 mn
- ▶ 9M 2015 Capex significantly increased to EUR 743 mn (9M 2014: EUR 500 mn); Capex ratio of 7.4% in line with guidance
- ▶ Strong Free Cash Flow generation in Q3 2015 with EUR 264 mn

3 Cash flow generation – Further deleveraging expected going forward

Net financial debt

in EUR mn



— Leverage ratio (Net financial debt w/o shareholder loans / LTM EBITDA)

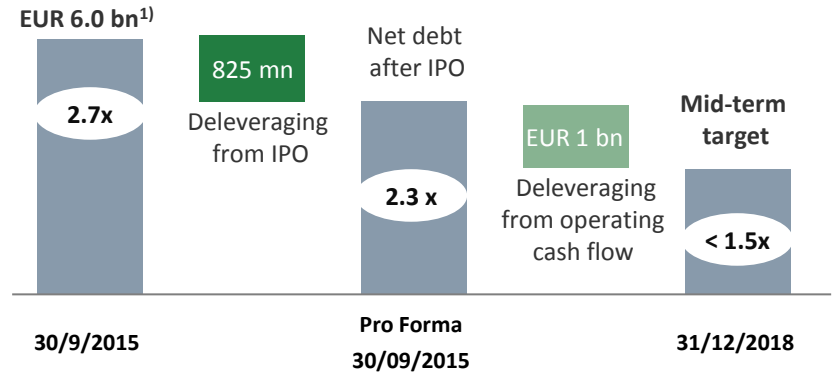
Gross debt

5,751	6,226	6,443	6,414	6,799	6,665	6,674
-------	-------	-------	-------	-------	-------	-------

Cash & cash equivalents

222	471	675	636	609	420	724
-----	-----	-----	-----	-----	-----	-----

2018 leverage target



1) Before Loan Note Receivable of EUR 1.885 mn

Key elements

- ▶ Target structure implemented; Proceeds used for strategic deleveraging
- ▶ Further repayment of loan note and indebtedness expected in Q4 2015
- ▶ Pro Forma leverage ratio as of 30/09/2015 at 2.3x; Target leverage ratio 1.5x by 2018

Key messages

- 1 We are an integrated automotive and industrial supplier with a proven track-record of above-average growth and profitability
- 2 Based on our strategy concept we are well positioned to shape the 'Mobility for tomorrow'
- 3 We have a superior automotive business that consistently outperforms the market and benefits from key growth trends going forward
- 4 Our Industrial business shows considerable margin upside potential
- 5 We are targeting to significantly improve our Free Cash Flow generation going forward



Technology and R&D

Prof. Dr.-Ing. Peter Gutzmer

Deputy CEO and Chief Technology Officer

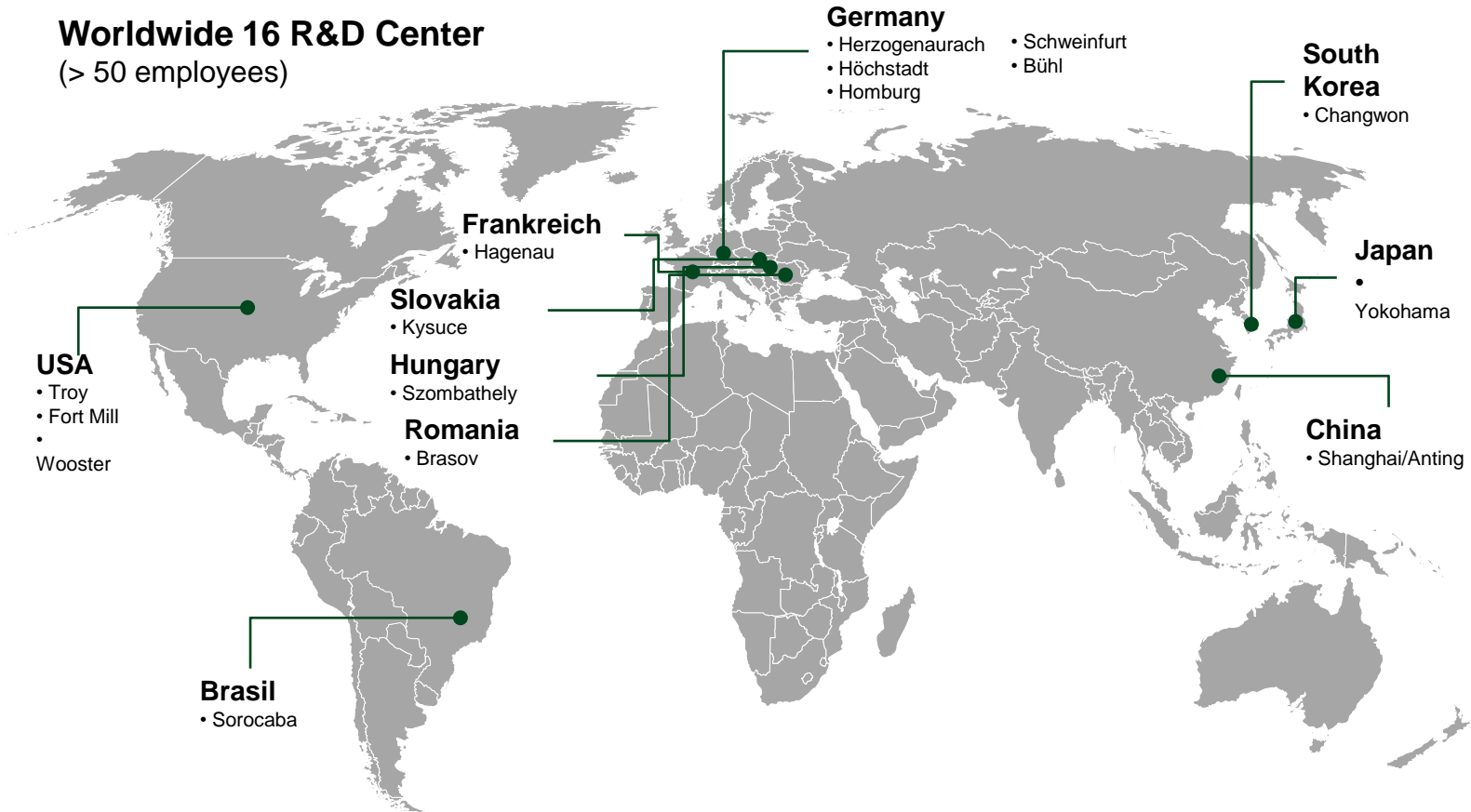
Schaeffer AG – Analyst Day
November 20, 2015

Agenda

- 1 Overview**
- 2 Technology and R&D**
- 3 Summary**

Global R&D footprint

Worldwide 16 R&D Center (> 50 employees)



- ▶ R&D headcount 2014: 6,387
- ▶ R&D expenses 2014: EUR 626 mn

Regional split Headcount 2014:

EU:	74%
Americas:	11%
Greater China:	11%
Asia/Pacific:	4%

Widespread Network of Partners and Cooperations

Customers



Organizations



Universities

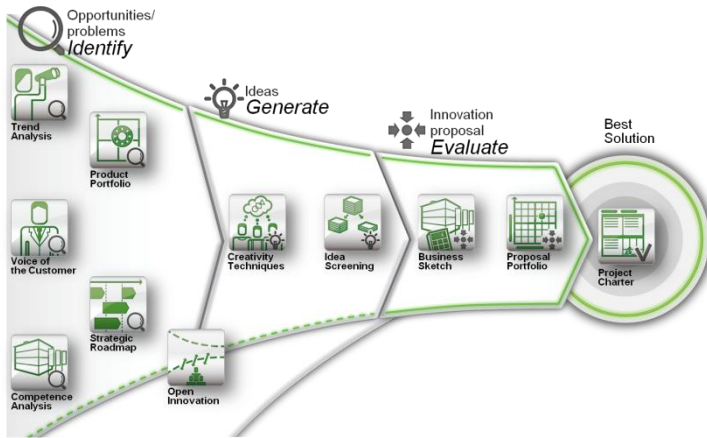


Sponsoring

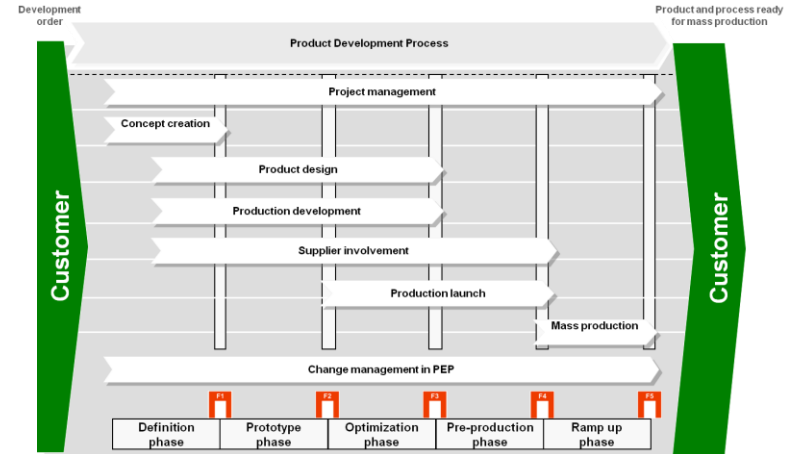


Schaeffler R&D – A structured process

Innovation process



Product development process



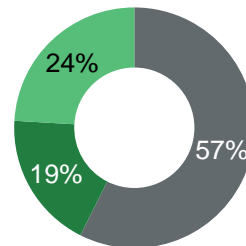
Research/Innovation activities cooperation

- ▶ At the Schaeffler Hub for Automotive
- Research in E-Mobility at Karlsruher Institute of Technology
- ▶ Focus areas: Electric Drives, Energy Storage, Automated Driving

SHARE

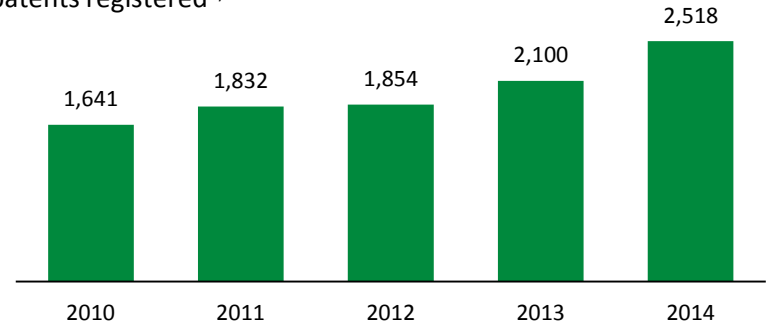


- Companies
- Research Institutes
- Universities



Leading to a best-in-class innovation platform

No of patents registered¹⁾



Rank in Germany²⁾



1) German Patent and Trademark Office

2) Overall rank

Outstanding surface technology and simulation capabilities

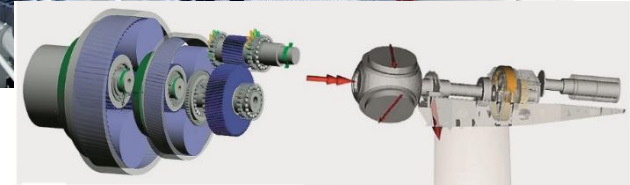
Surface Technology



Key aspects

- ▶ World leader in competence for functional surfaces and coatings
- ▶ Coating systems increase the lifetime of components, offer protection against wear and corrosion
- ▶ Friction reduction for energy efficiency

Simulation and validation



Key aspects

- ▶ Large-size bearing test rig 'Astraios' went into operation in Schweinfurt four years ago
- ▶ One of the largest and most state-of-the-art test rigs in the world
- ▶ Combination of simulation and calculation methods with measurements obtained during testing

Inhouse electronics, mechatronics and software competences

Electronics and software



SCHAEFFLER
ENGINEERING



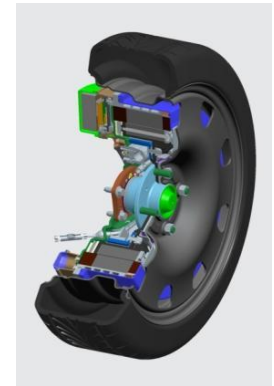
Key aspects

- ▶ Electronics and software development
- ▶ Powertrain development
- ▶ Mechanical System Integration
- ▶ System Validation
- ▶ Vehicle Acoustics

Drives and mechatronics



IDAM
INA DRIVES & MECHATRONICS



Key aspects

- ▶ Design and simulation of direct drives and precision mechanics
- ▶ Power electronics design
- ▶ Control algorithms and software design
- ▶ Production technology for e-motors and precision systems

Strategic concept: "Mobility for Tomorrow"

Key megatrends

Society trends

- ▶ Urbanization
- ▶ Population growth

Technology trends

- ▶ Increasing complexity
- ▶ Digitalization

Environmental trends

- ▶ Renewable energies
- ▶ Availability of resources

Economic trends

- ▶ Globalization
- ▶ Affordability

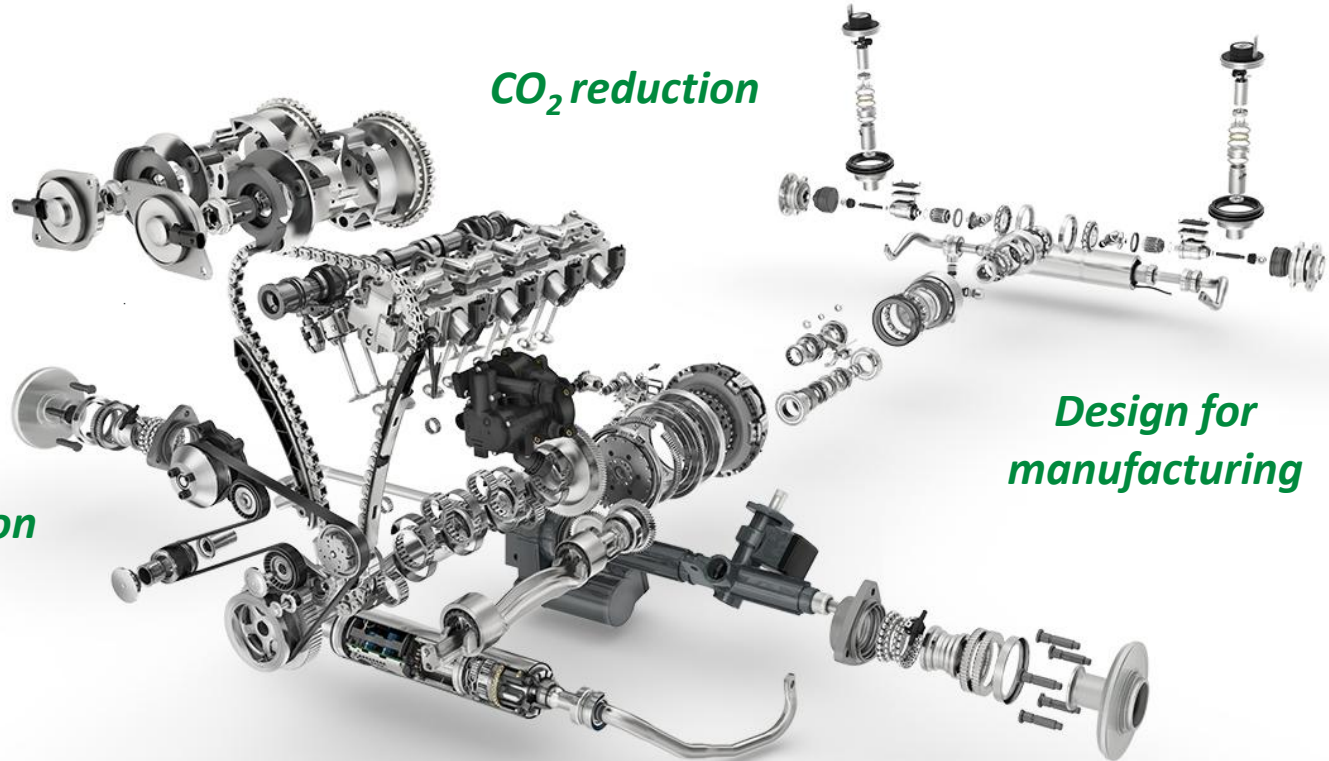
4 focus areas



Broad fleet of demonstrator vehicles for dedicated regional solutions



Broadest drivetrain know-how in Automotive



Durability

CO₂ reduction

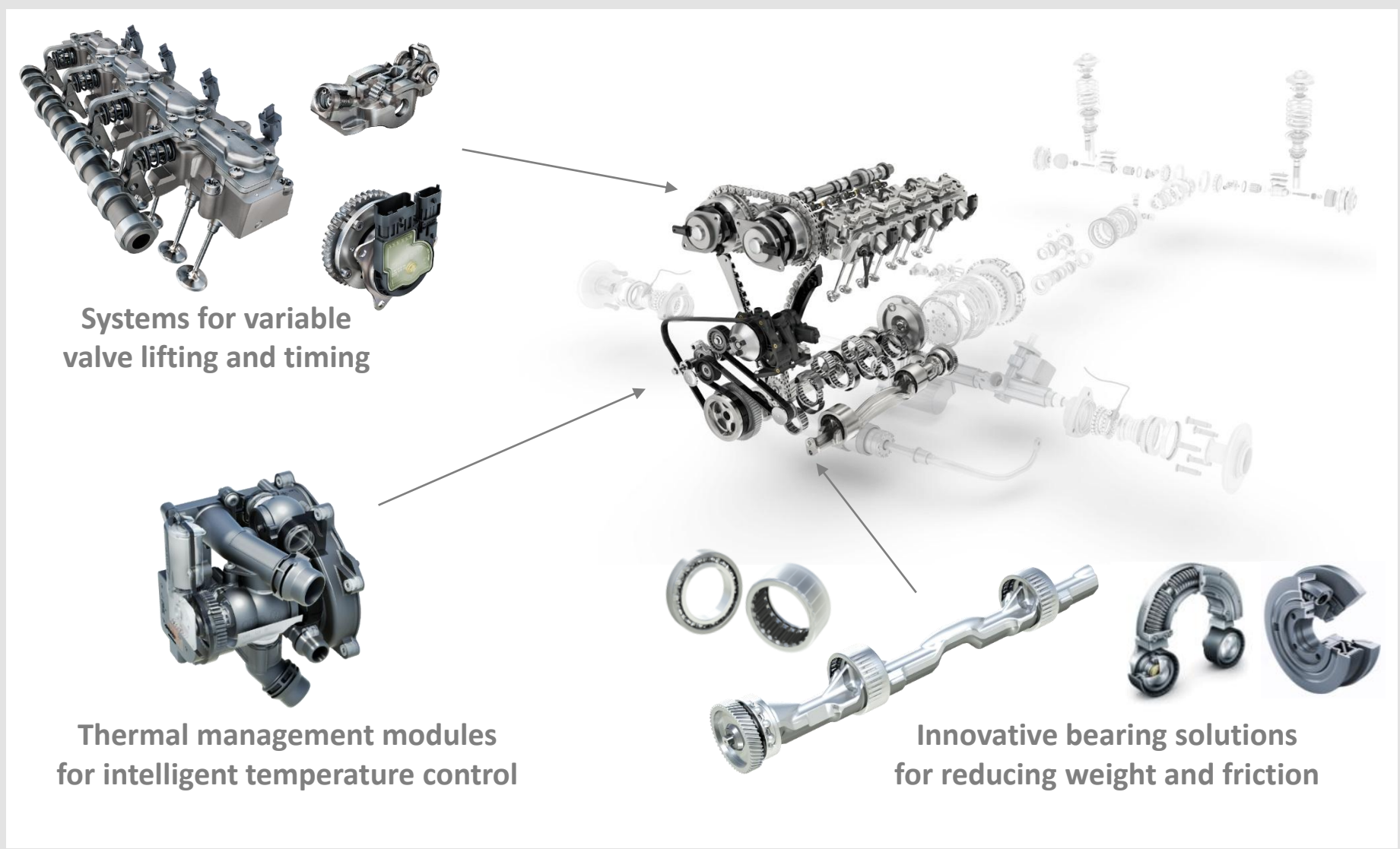
Weight reduction

Design for manufacturing

Safe driving pleasure

	Engine	Transmission	Chassis	e-Mobility
Comp 1		✓		✓
Comp 2	✓			✓
Comp 3		✓	✓	✓
Schaeffler	✓	✓	✓	✓

Engine – Precision products for less fuel consumption and enhanced driving comfort

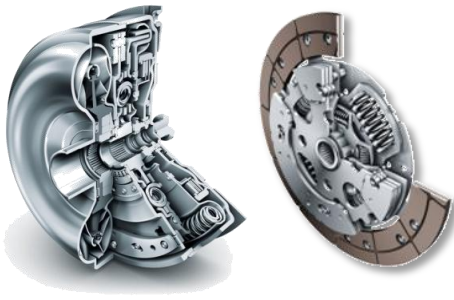


Systems for variable valve lifting and timing

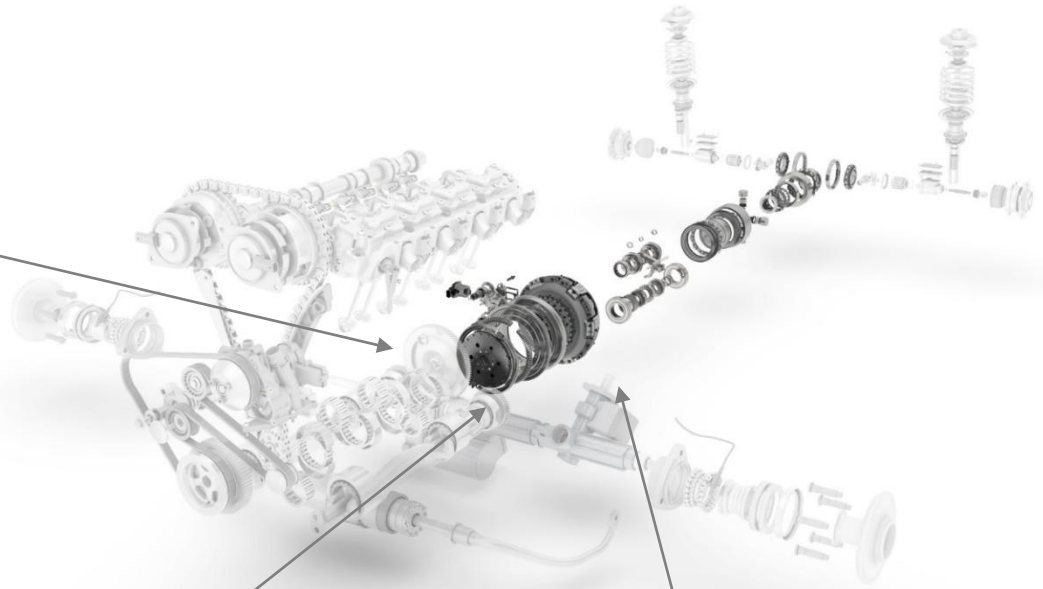
Thermal management modules for intelligent temperature control

Innovative bearing solutions for reducing weight and friction

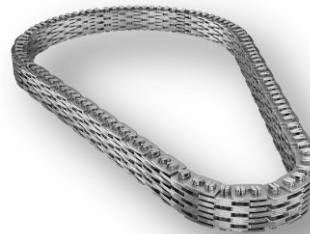
Transmission – Innovative components and systems for all transmission concepts



**Powerful damper systems
for torque converters and clutches**

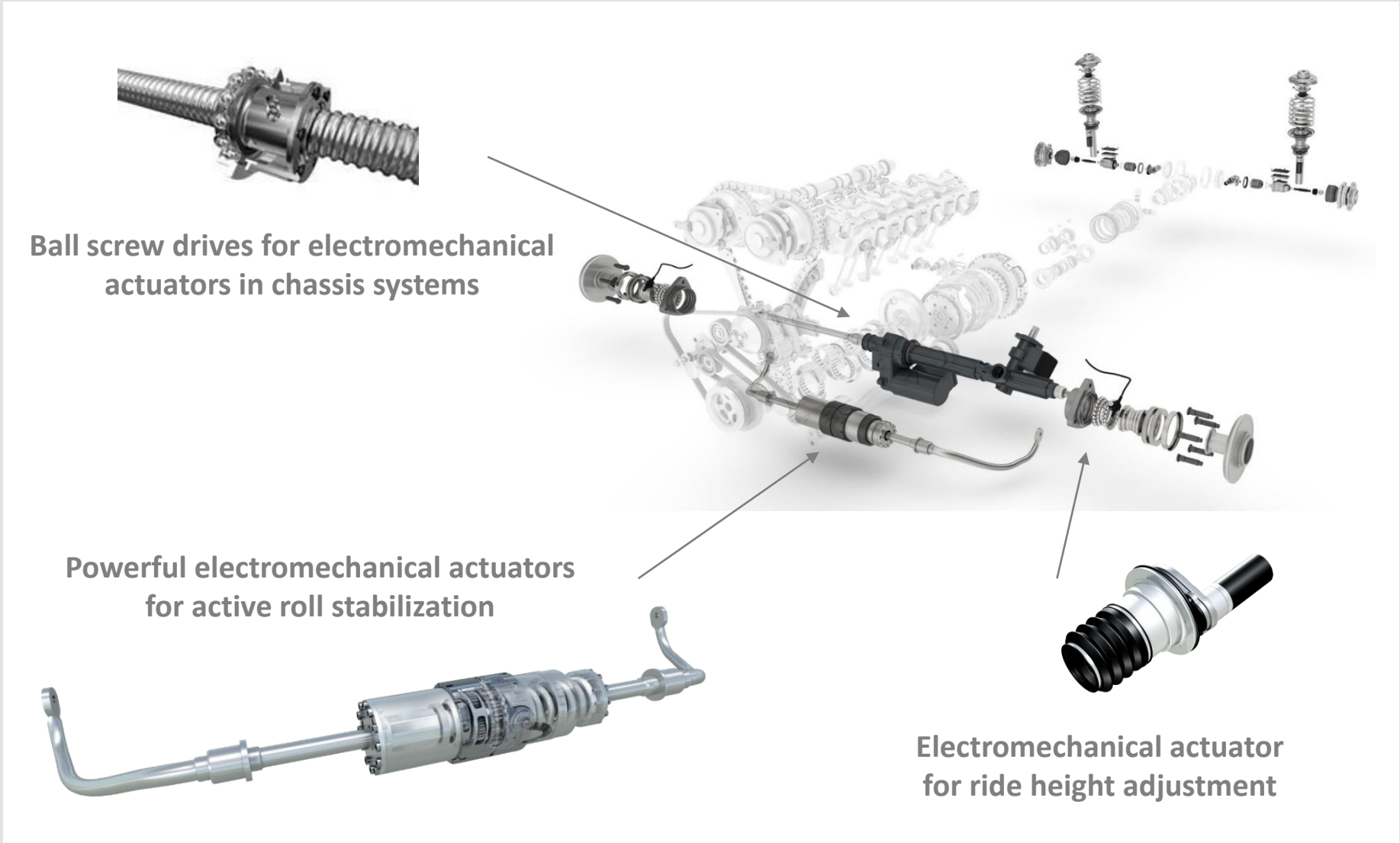


**Dry and wet automated clutch modules
for DCT's and e-clutch systems**



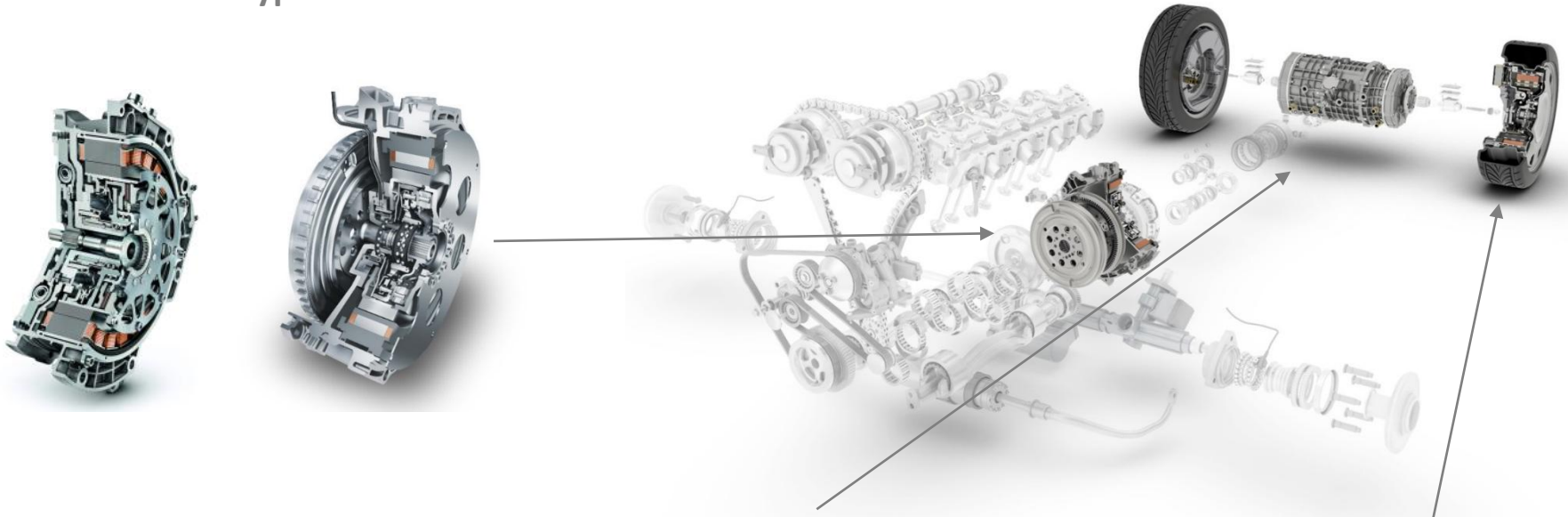
**Efficient CVT systems
incl. powerful CVT chain**

Chassis – From bearings to complex mechatronic systems



E-Mobility – Systems for hybrid and electrical drive systems

Powerful hybrid modules for 48 V and HV
for all types of transmissions



Powerful electric axle systems for 48 V and HV



e-Wheel drive



Application example – Schaeffler technologies for reduced CO₂ emissions



Vehicle

- ▶ C-segment
- ▶ 1380 kg incl. driver

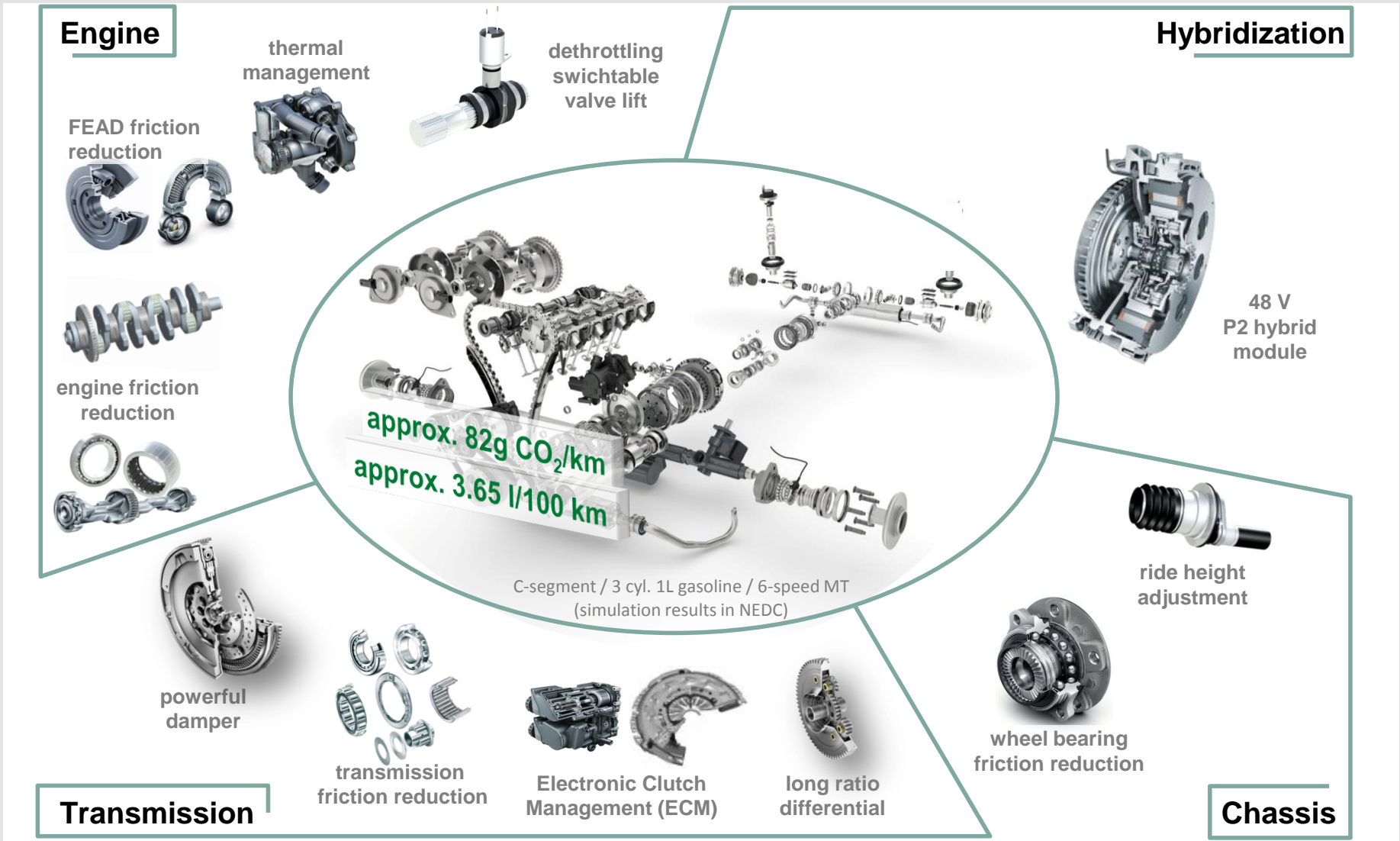
Powertrain

- ▶ 3 cyl. 1L gasoline w/ start-stop and smart alternator
- ▶ 6-speed MT

Efficiency @ NEDC

- ▶ 5.1 l/100 km
- ▶ 114 g CO₂/km

Application example – Schaeffler technologies for reduced CO₂ emissions



Strong mechatronics competence – Complex systems know-how

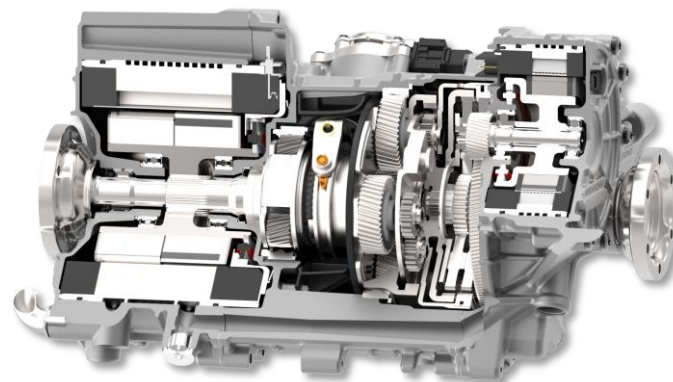
High-voltage P2 hybrid module



International
Grand Prix Award
received (OEM
New Technologies
category)

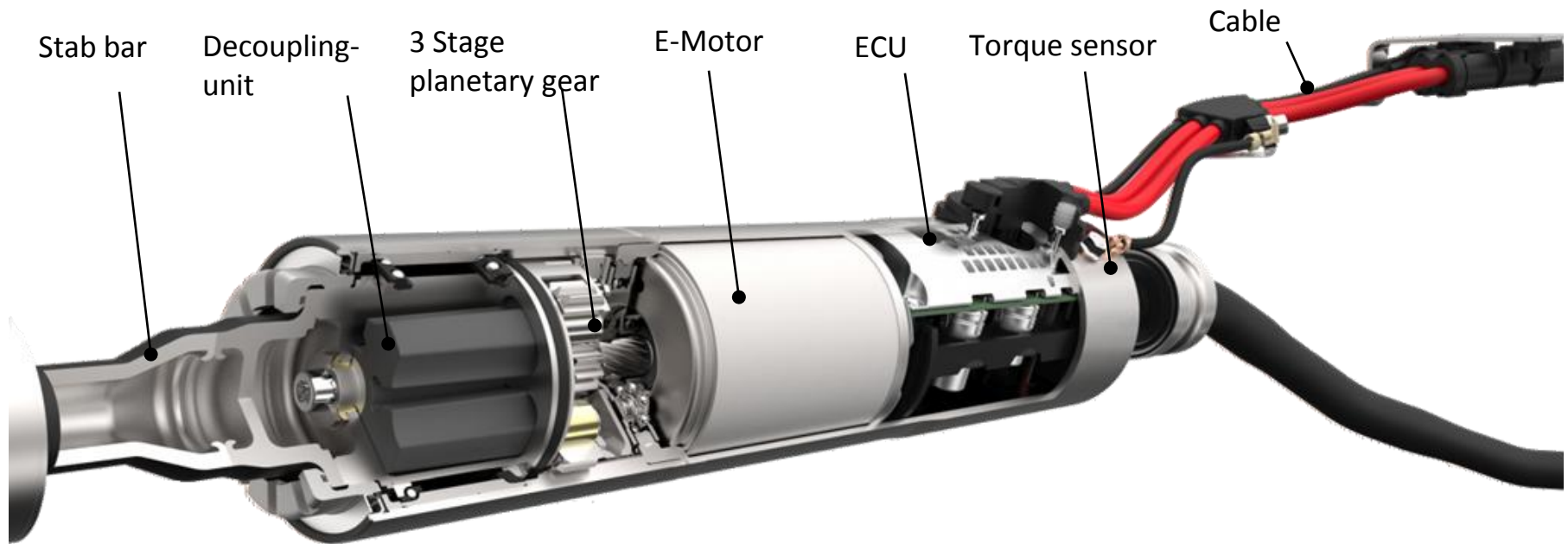
- ▶ The new P2 hybrid module from Schaeffler is suited for all grades of hybridization and can be used for all kind of transmissions
- ▶ Customized modular set-up
- ▶ Start of series production: 2017 in China

High-voltage electric axle



- ▶ High power density
- ▶ Can be used for various vehicle concepts
- ▶ Customized modular set-up
- ▶ Start of series production: 2017

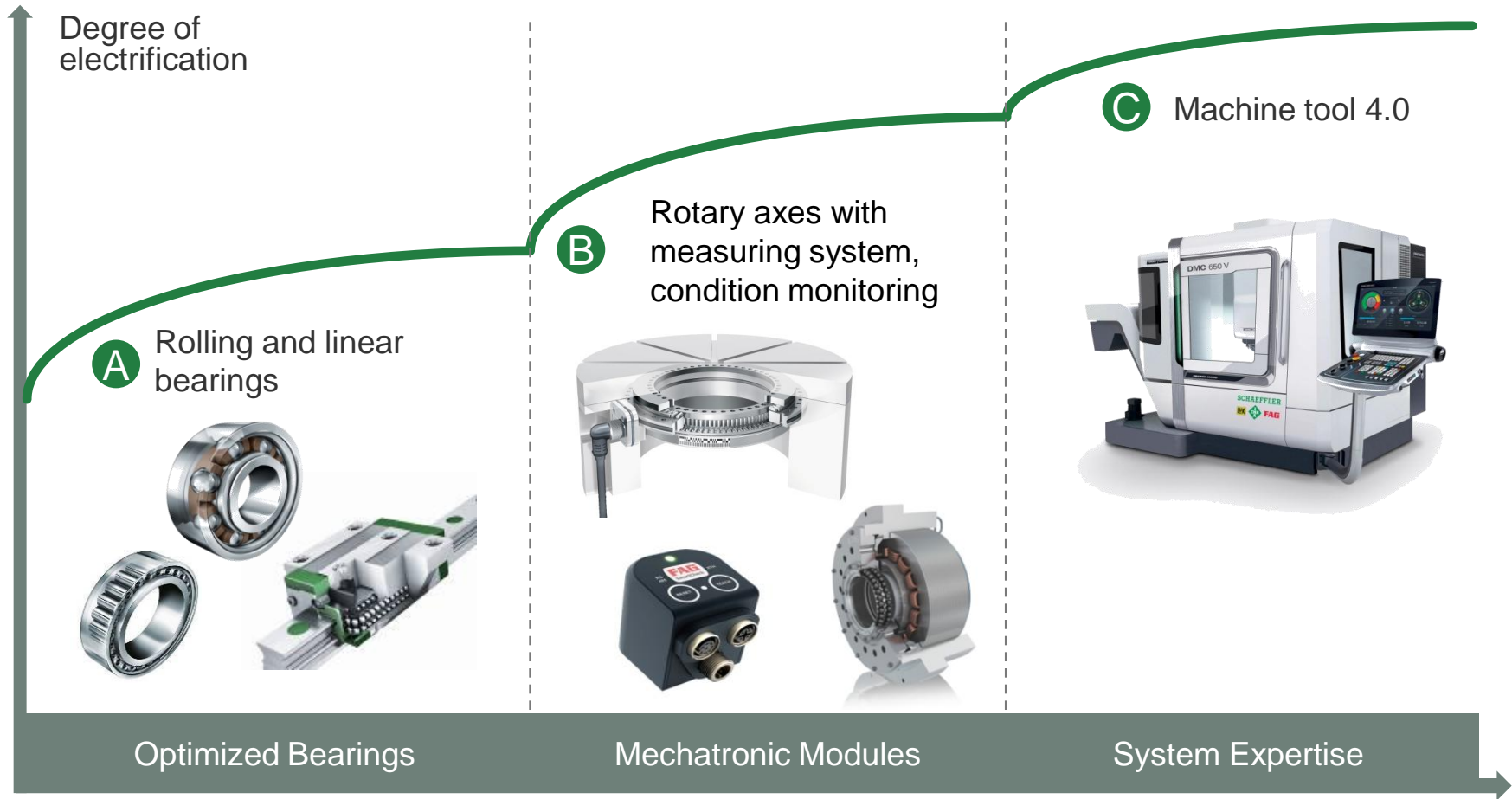
Strong mechatronics competence – Example: Anti roll stabilizer



Key aspects:

- ▶ First-to-market mechatronics system for Smart Chassis and Automated Driving
- ▶ Key benefit: Reduction in CO₂ emissions and no additional weight compared to hydraulic systems
- ▶ The modular solution contains 188 registered patents
- ▶ Close cooperation with universities and suppliers
- ▶ 12V SOP with BMW in July 2015, 48V SOP with Bentley in Nov 2015

Industrie 4.0 – Solutions from components to machine tools



Digital process development

Research funding from government institutions



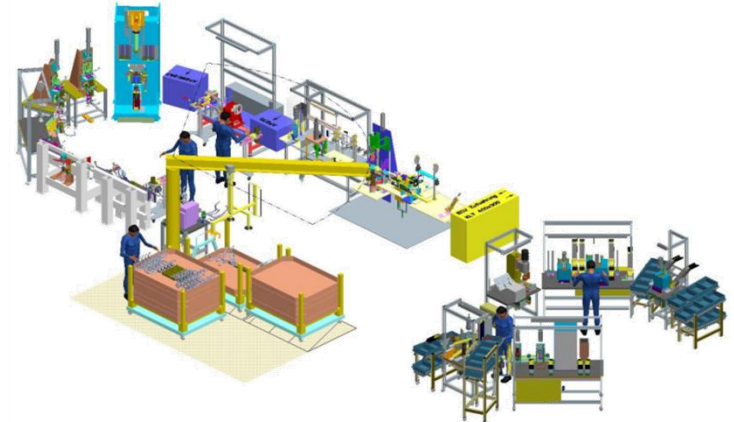
Process simulation



Global data management



Digital factory



Key messages

1

Broad global R&D network of partners and cooperations

2

Our outstanding competencies in mechanics are complemented by extensive know-how in surface technologies, simulation as well as electronics and software

3

Broadest drivetrain know-how in Automotive

4

Dedicated system solutions to meet all future regional CO₂ emission legislations

5

Our mechatronics competencies and the move into hybrid and electric systems will lead to ever higher content per car

6

Industrie 4.0 and digitalization will lead to new business models

Fascination Motorsports – ABT Schaeffler Audi Sport





Production and operational excellence

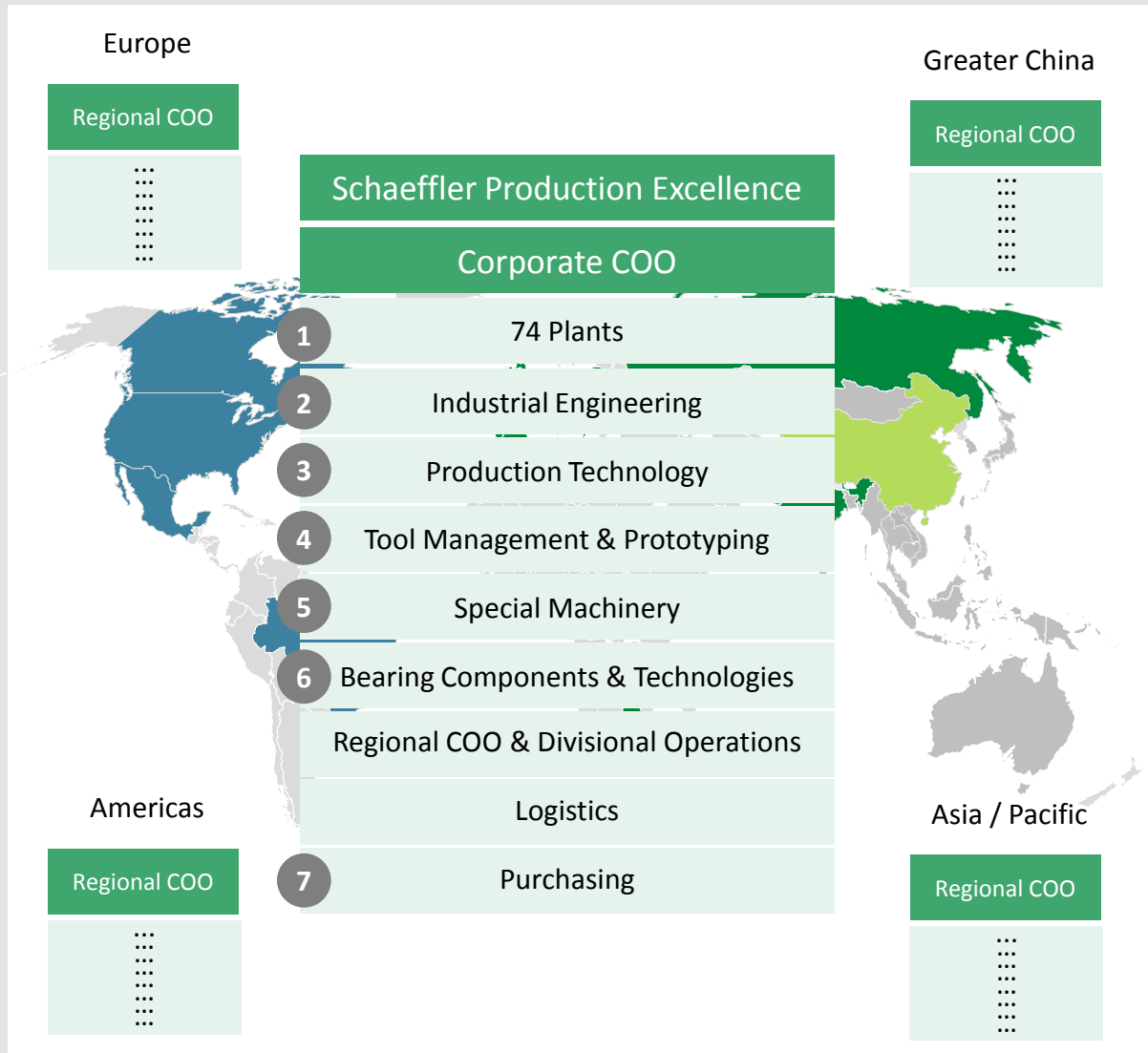
Oliver Jung
Chief Operating Officer

Schaeffer AG – Analyst Day
November 20, 2015

Agenda

- 1 Overview**
- 2 Production and operational excellence**
- 3 Summary**

Global Operations Organization – Global Technology Network



Key aspects

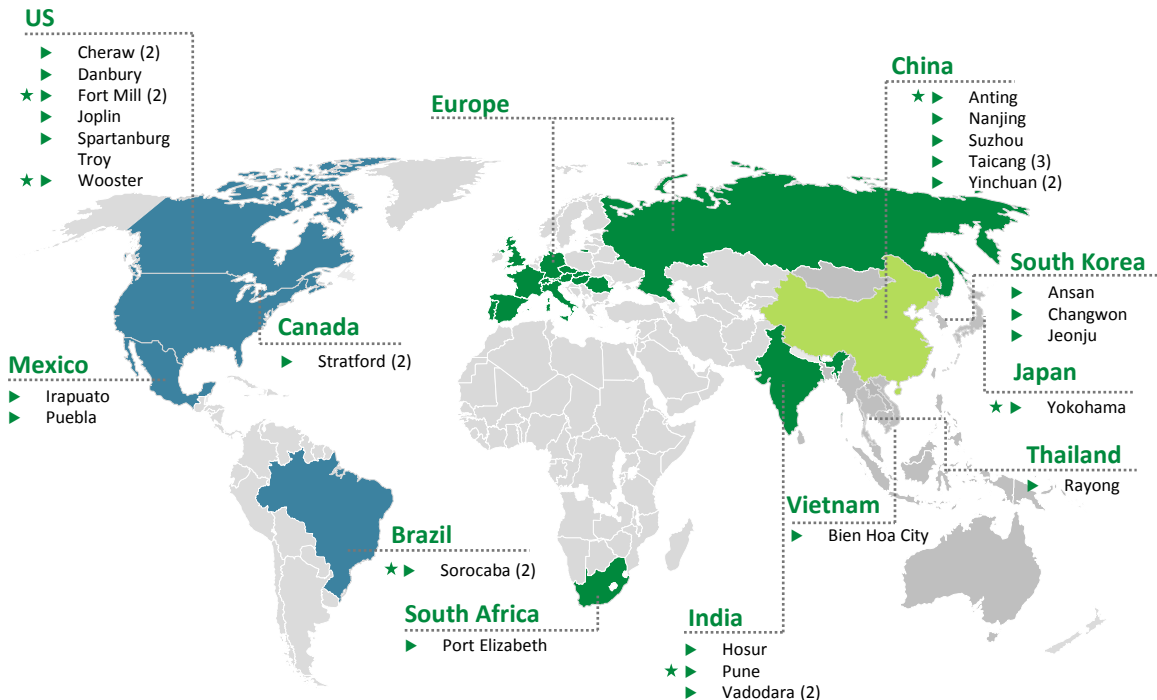
- ▶ Innovation in products and production technology
- ▶ Efficiency (plants, logistics)
- ▶ Standards
- ▶ Speed in industrialization
- ▶ Early involvement and deep influence in product development
- ▶ Own competencies in special machinery building
- ▶ Integration of external and internal added value (with Purchasing)

- ▶ **Control and improvement of a long added value chain**
 - ▶ ≈ 60 % internal added value
 - ▶ ≈ 1 bn. € investments
- ▶ **Contribution to the Schaeffler Production System**

Integrated global manufacturing and R&D footprint

≈ 63,000 employees
in 74 plants worldwide
60 % of internal added value

Global footprint



- ▶ Manufacturing sites
- ★ R&D Centers

	Europe	Americas	Greater China	Asia/Pacific	Total
Manufacturing sites	48	14	7	5	74
R&D Centers	9	4	1	2	16

Europe

Germany

- ★ ▶ Bühl
- ★ ▶ Herzogenaurach
- ★ ▶ Homburg (3)
- ★ ▶ Schweinfurt (2)
- ▶ + 17 other German sites

Italy

- ▶ Momo

Portugal

- ▶ Caldas da Rainha

Austria

- ▶ Berndorf-St. Veit

Romania

- ★ ▶ Braşov

Czech Republic

- ▶ Lanskroun

Russia

- ▶ Uljanowsk

France

- ▶ Calais
- ▶ Chevilly
- ★ ▶ Haguenau (2)

Slovakia

- ★ ▶ Kysucké Nové Mesto
- ▶ Skalica

Great Britain

- ▶ Llanelli
- ▶ Plymouth
- ▶ Sheffield

Spain

- ▶ Elgoibar

Hungary

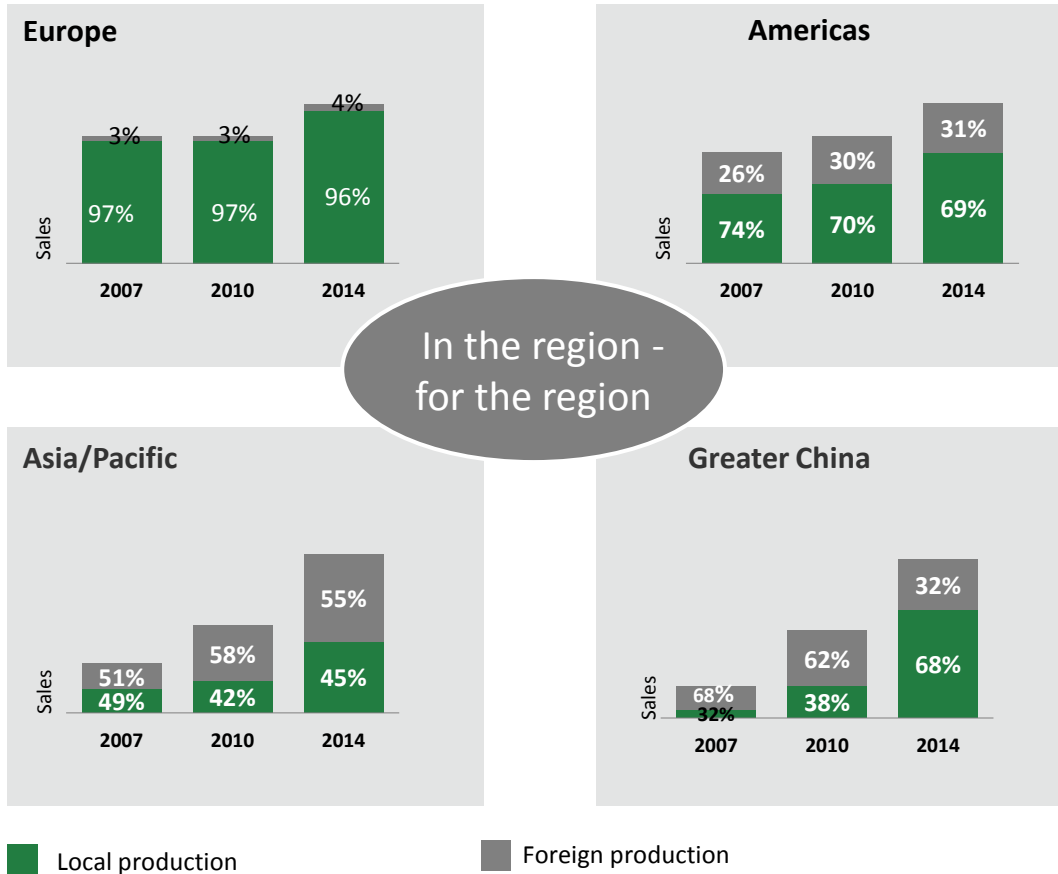
- ▶ Debrecen
- ★ ▶ Szombathely

Switzerland

- ▶ Romanshorn

1 **Plants – Our base for Operational Excellence**

Localization rate constantly increasing



Key aspects

- ▶ Strong plants operating with the Schaeffler Production System concentrated on QCD (improvements in quality, cost, delivery)
- ▶ One plant reference organization worldwide
- ▶ Closely connected in a production network (lead plant concept)
- ▶ Closely supported and controlled in QCD
- ▶ Latest production technology worldwide
- ▶ Localization rate constantly increasing

2 Industrial Engineering – Industrialization

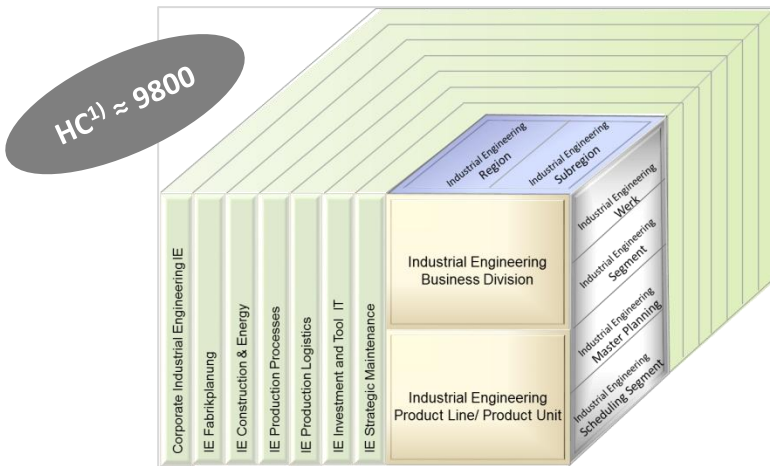
Key aspects

- ▶ Covers the entire industrialization process from factory planning over factory building up to the definition of methods and standards for manufacturing planning, production logistics, maintenance and investment process
- ▶ Planning and implementation of the Schaeffler Production System
- ▶ New locations in the last 3 years:
 - ▶ Ulyanowsk, RU
 - ▶ Calais, FR
 - ▶ Yinchuan, CN
 - ▶ Rayong, TH
 - ▶ Nanjing, CN
 - ▶ Savli, IN
 - ▶ Puebla, MX

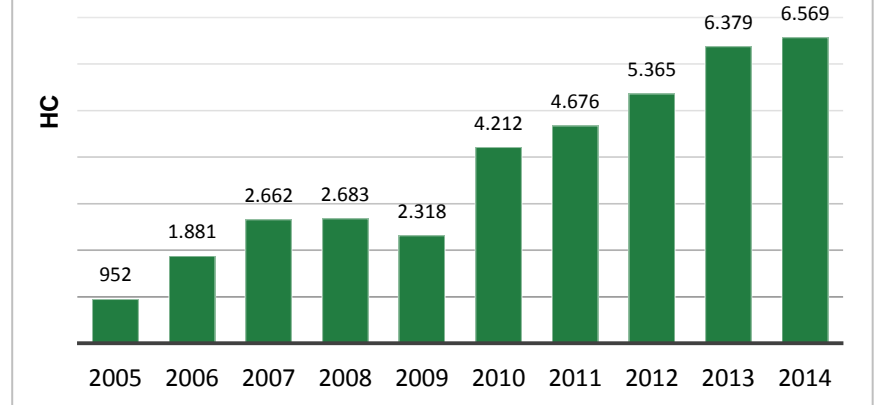
Location development Taicang



Organization within the matrix



HC development Taicang



1) HC = Headcount

3 Production Technology – Innovation in production technology and products

Key aspects

- ▶ Responsible for development and optimization of production technology processes and production machines worldwide
- ▶ Complete overview of the Schaeffler Group regarding production technology via global technology network
- ▶ Control and further development of each technology (standards)
- ▶ Core technologies are often used for both divisions - Automotive and Industrial → Integrated Schaeffler Model
- ▶ Generates efficiency, savings and innovations

State-of-the-Art technologies



Forging



Forming methods



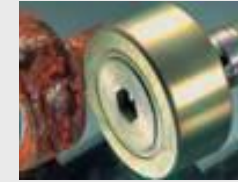
Machining processes



Plastics technology



Heat treatment



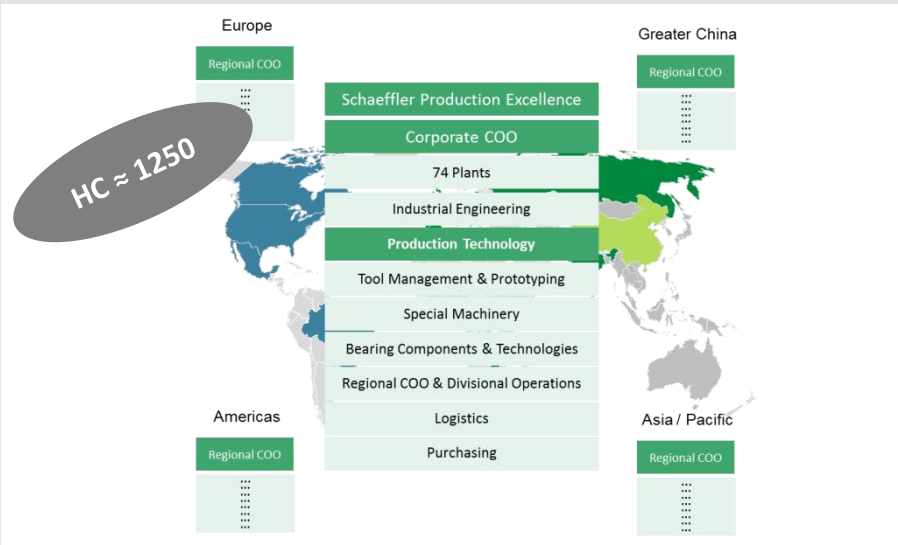
Coating Phosphating



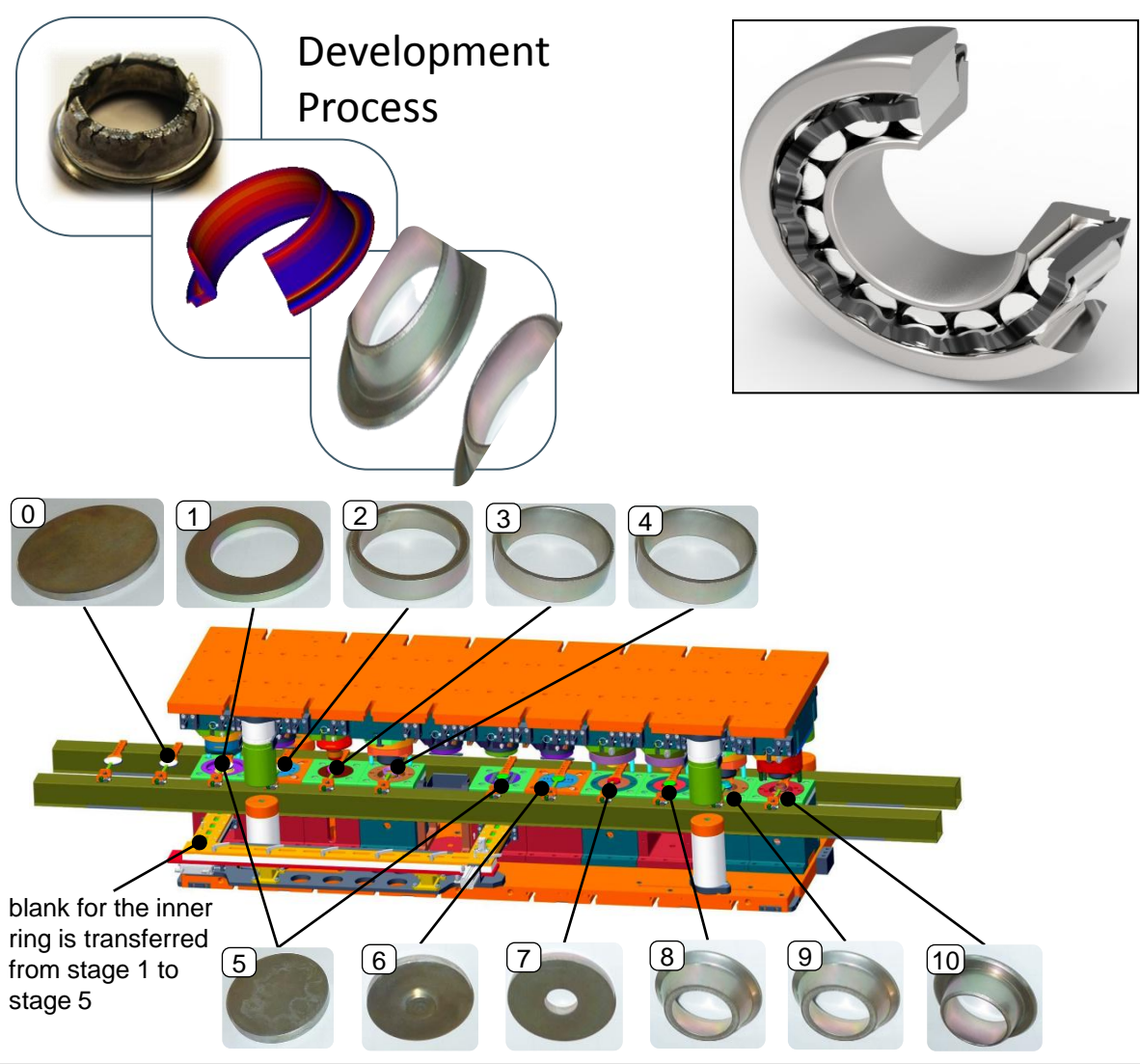
Grinding Honing



Assembly

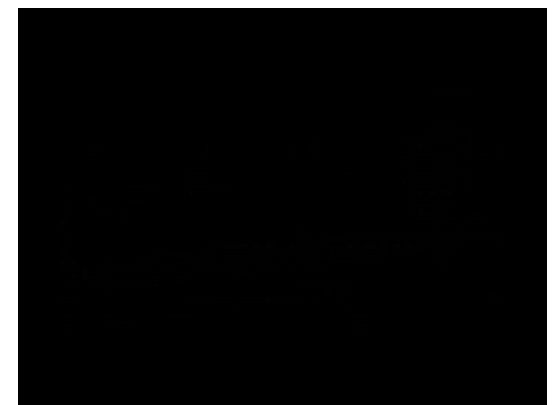


3 Innovative production – Cold formed tapered roller bearing ("Solid Formed Bearing")



Key aspects

- ▶ Deep knowledge in simulation, process and tooling leads to innovative new products
- ▶ 30% reduction of process steps
- ▶ 50% material saving
- ▶ SOP 2016



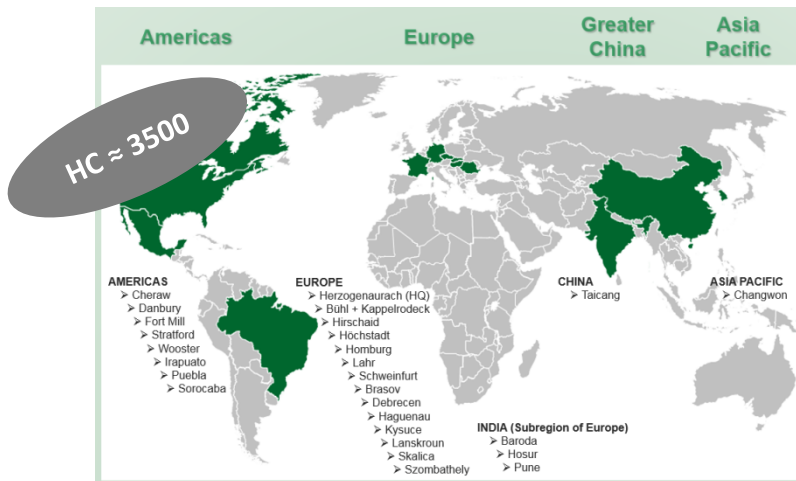
4 Tool Management & Prototyping – Early involvement in R&D process

Key aspects

- ▶ Worldwide network of tool and prototype centers
- ▶ Development partner for new products (design for manufacturing) and manufacturing of prototypes
- ▶ Development, manufacturing / procurement and optimization of production tools
- ▶ Coordinating and tracking of worldwide tool ratio activities

Input of production Know How in the development process generates efficiency in mass production

27 locations worldwide



Prototypes...



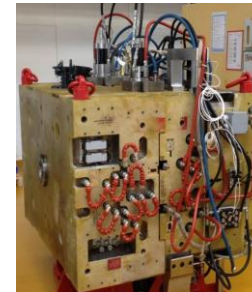
Bearing for dental drill (weight: 0.1 g)



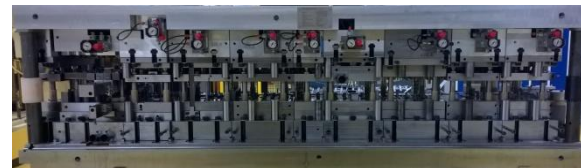
Mechatronic system including software for the drive chain (complete unit with more than 600 single parts)

... and tools

Minimized punch (weight: 0,8 g)



Injection moulding tool (weight: 12,000 kg)



Forming tool for finger follower (weight: 3,000 kg)

5 Special Machinery – Proprietary machines which are not available on the market

Key aspects

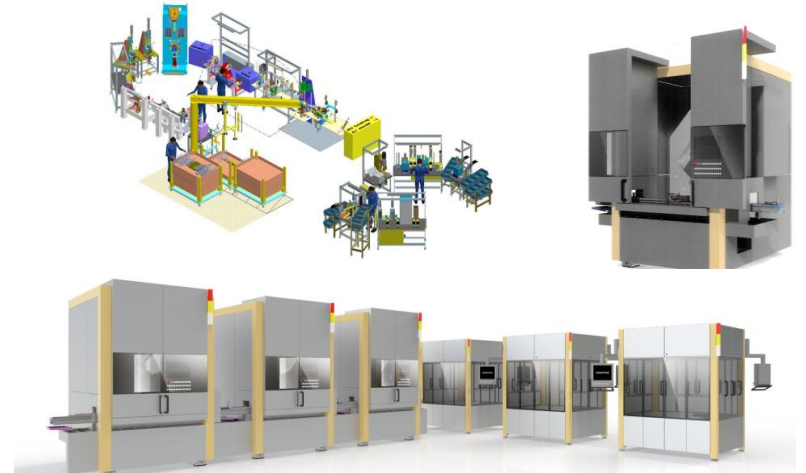
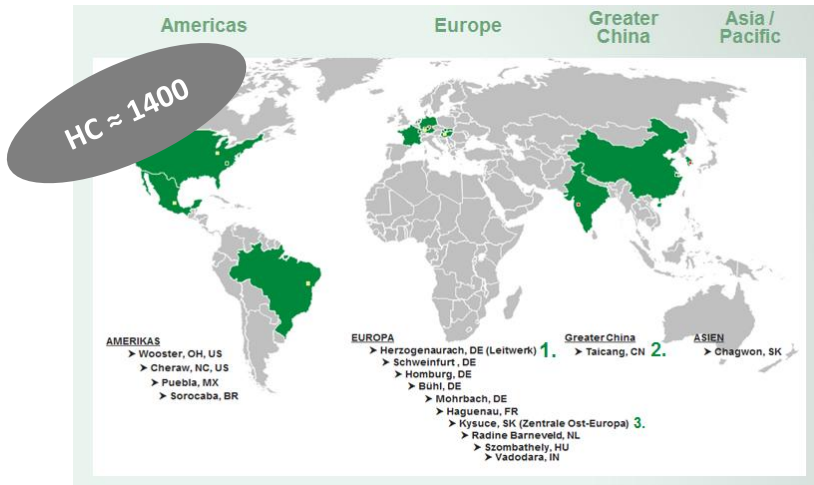
- ▶ Develops and realizes the following: Production facilities, measuring and testing technology, image processing, electronic systems and control systems
- ▶ Maintains a worldwide network with flexible external resources
- ▶ Guarantees worldwide valid standards and uniform KPIs
- ▶ Turnover: approx. 260,000,000 Euro
- ▶ Projects / machines: approx. 700 up to 900 per year
- ▶ Only machines which are not available on the market and/or with own developed technology

SCHAEFFLER

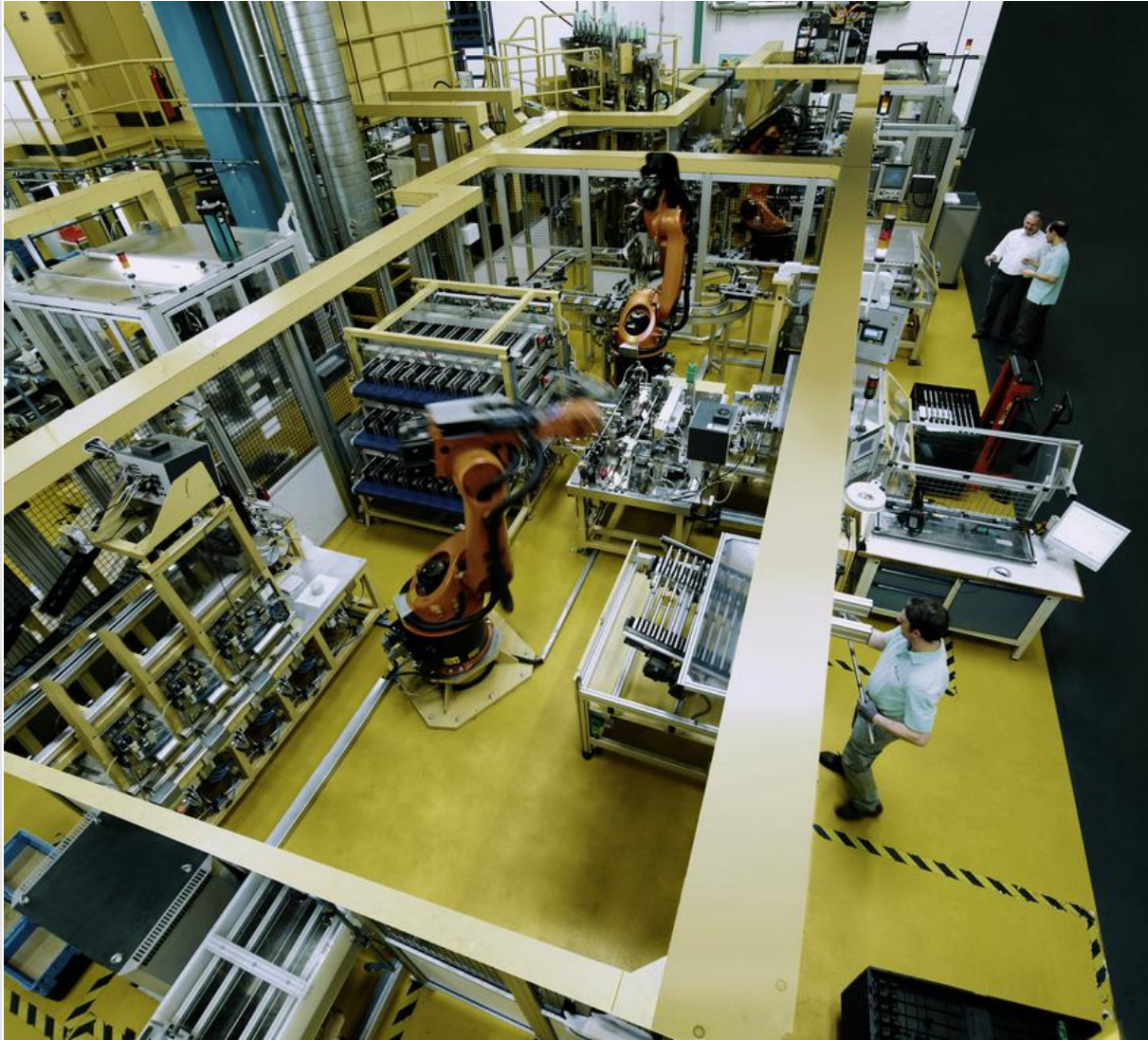
Collaboration product development	Planning & development	Realization	Service

Special products + production technology translated in economical mass production facilities

16 locations worldwide



5 High-Tech Production: Ball Screw Drives



Key aspects

- ▶ High-Tech Production of ball screw drives for **steering mechanism**
- ▶ Balls with tolerance **1 μ m**
- ▶ Grinding tolerance **2 μ m**
- ▶ Ball screw axial clearance **< 5 μ m**
- ▶ **Own competencies to design high quality equipment**
- ▶ **Fully automated** assembly line
- ▶ Output **1 million parts per year**
- ▶ **Utilization 95%**

6 Bearing & Components Technologies

Key aspects

- ▶ Internal supplier for rolling bearings in the Schaeffler Group with responsibility for bearing production and development
- ▶ Plants in all regions, support Automotive and Industrial in profitable growth
- ▶ Focus on Quality, Cost, Delivery, Product Excellence
- ▶ Fully integrated into Operations resort
- ▶ Acts as the organizational umbrella for rolling bearing technology

HC ≈ 18000

Main Products



CRB

Cylindrical roller bearings

SRB

Spherical roller bearings

NRB

Needle roller bearings

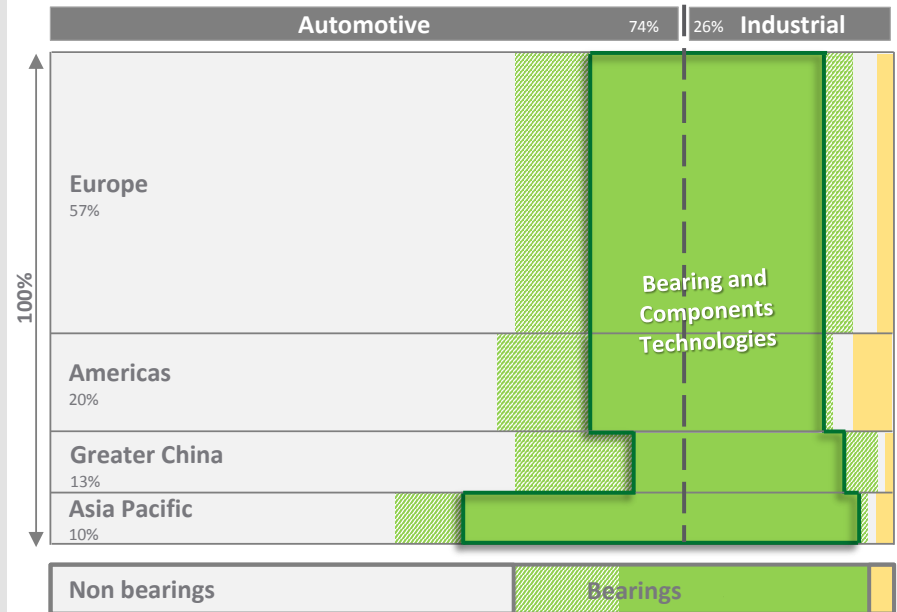
TRB

Tapered roller bearings

BB

Ball bearings

Rolling bearing business within Schaeffler Group



- Non bearings
- Bearings in Automotive and Industrial
- Bearings in Bearing and Components Technologies
- Aerospace

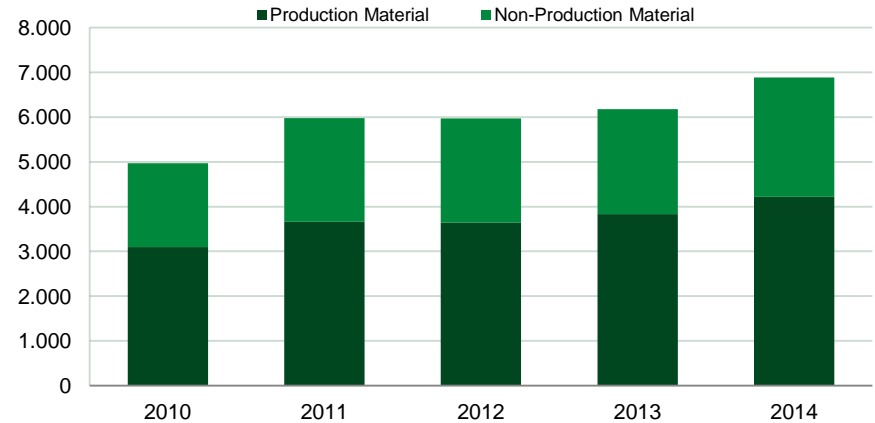
- ▶ Roughly 42% of net sales 2014 were related to rolling bearing products

7 Purchasing – Manager of the external added value

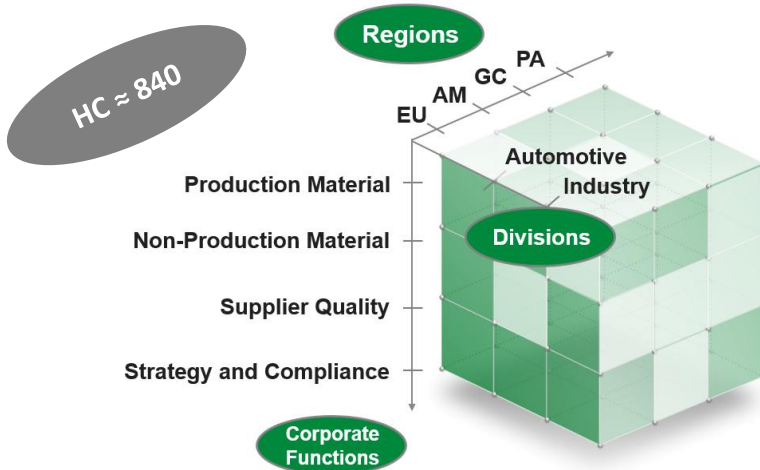
Key aspects

- ▶ Identification of adequate supplier base
- ▶ High quality goods at competitive prices and available at the right time
- ▶ Reduction of costs through standardization, specifications and competition
- ▶ Integration of suppliers into the Schaeffler Production System
- ▶ Improve the supplier base in the regions
- ▶ Purchasing cooperation together with Continental AG

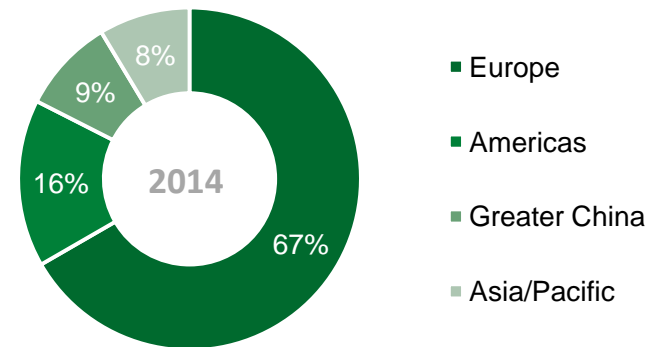
Purchasing Volume 2010-2014 (in bn. €)



Purchasing Organization within the matrix



Purchasing Volume 2014 by Region



Key messages

1

Global network of strong plants with dedicated focus on quality, cost and delivery

2

Unique *Schaeffler Production System* providing the frame for our global plants network

3

State-of -the-art production technology enabling constant improvement in our long added value chain

4

Proprietary *special machinery building* constantly improving economies in mass production

5

Integrated production approach for both Automotive and Industrial with *Bearings and Components Technologies* as internal supplier for roller bearings business

6

Integration of *Purchasing* into *Operations* resort as a major success factor in aligning the internal and external added value

Plant Tour

High-Tech Production: Ball Screw Drives

Innovative Production: Solid Formed Bearing

Efficient Production: High-Volume Press

Future concepts in production: 3D Printer

We are here



Backup

November 20, 2015

Profit & Loss statement 2012 – 9M 2015

in EUR mn

	2012	2013	2014	9M 14	9M 15
Sales	11,125	11,205	12,124	9,024	9,982
Cost of Sales	(7,836)	(8,029)	(8,654)	(6,460)	(7,153)
Gross Profit	3,289	3,176	3,470	2,564	2,829
R&D	(593)	(611)	(626)	(473)	(534)
Selling expenses	(759)	(761)	(827)	(596)	(687)
Administrative expenses	(409)	(433)	(454)	(294)	(310)
Other income	35	72	49	54	28
Other expenses	(94)	(435)	(89)	(25)	(75)
EBIT	1,469	1,008	1,523	1,230	1,251
Financial income	24	217	255	164	235
Financial expenses	(687)	(641)	(875)	(761)	(697)
Financial result	(663)	(424)	(620)	(597)	(462)
Income from equity-accounted investees	1	2	1	0	0
EBT	807	586	904	633	789
Income Taxes	(415)	(452)	(242)	(189)	(256)
Net income	392	134	662	444	533
Attributable to shareholders of the parent company	380	127	654	439	521
Attributable to non-controlling interests	12	7	8	45	12
Additional information					
EBIT	1,469	1,008	1,523	1,230	1,251
Provision for EU antitrust fine	-	380	-	-	-
EBIT before provision for EU antitrust fine	1,469	1,388	1,523	1,230	1,251
Further one-off items included in EBIT					
EU antitrust provision release	-	-	(10)	(10)	-
Personnel-related structural measures at the production locations in Schweinfurt and Wuppertal	-	48	-	-	-

Cash flow statement 2012 – 9M 2015

in EUR mn

	2012	2013	2014	9M 14	9M 15
EBIT	1,469	1,008	1,523	1,230	1,251
Interest paid	(581)	(605)	(520)	(388)	(430)
Interest received	9	8	8	4	41
Income taxes paid	(229)	(378)	(277)	(197)	(247)
Dividends received	1	1	1	0	0
Depreciation, amortization and impairments	618	652	649	473	514
(Gains) losses on disposal of assets	(1)	1	1	0	1
Changes in:					
Inventories	55	(101)	(108)	(206)	(95)
Trade receivables	(27)	(108)	(142)	(265)	(194)
Trade payables	(73)	227	129	43	16
Provisions for pensions and similar obligations	(39)	(44)	(27)	(29)	(9)
Other assets, liabilities and provisions	(69)	366	(337)	(255)	64
Cash from operating activities	1,133	1,027	900	410	912
Proceeds from disposals of property, plant and equipment	29	15	8	5	22
Capital expenditures on intangible assets	(35)	(18)	(50)	(17)	(31)
Capital expenditures on property, plant and equipment	(825)	(554)	(807)	(483)	(712)
Other investing activities	(1)	3	(3)	(2)	1
Cash used in investing activities	(832)	(554)	(852)	(497)	(720)
Free cash flow	301	473	48	(87)	192

Cash flow statement 2012 – 9M 2015 (continued)

in EUR mn

	2012	2013	2014	9M 14	9M 15
Free cash flow	301	473	48	(87)	192
Dividends paid to shareholders and non-controlling interests	(1)	(1)	(1)	(1)	(251)
Receipts from loans	395	27	727	610	208
Repayments of loans	(449)	(649)	(429)	(192)	(209)
Change in financial allocation account with Schaeffler Verwaltung Zwei GmbH	(222)	(91)	0	0	0
Successive acquisitions	(13)	0	0	0	0
Other financing activities	29	132	(26)	31	151
Cash provided by (used in) financing activities	(261)	(582)	271	448	(101)
Net increase (decrease) in cash and cash equivalents	40	(109)	319	361	91
Effects of foreign exchange rate changes on cash	(4)	(24)	17	14	(3)
Cash and cash equivalents as at beginning of period	397	433	300	300	636
Cash and cash equivalents as at end of period	433	300	636	675	724
Additional information					
Free cash flow	301	473	48	(87)	192
EU antitrust fine	-	-	371	371	-
One-off refinancing costs (early redemption fee)	-	-	114	114	173
Free cash flow before one-off costs	301	473	533	398	365

Balance sheet 2012 – 9M 2015

in EUR mn

Assets	2012	2013	2014	9M 14	9M 15
Intangible assets	554	538	555	532	559
Property, plant and equipment	3,515	3,369	3,748	3,511	3,961
Investments in equity-accounted	3	3	4	3	3
Other investments	14	14	14	14	14
Other financial assets	78	202	1,960 ¹⁾	113	2,293 ¹⁾
Other assets	57	54	58	55	47
Income tax receivables	17	12	8	8	6
Deferred tax assets	358	218	455	434	508
Total non-current assets	4,596	4,410	6,802	4,670	7,391
Inventories	1,495	1,536	1,713	1,812	1,813
Trade receivables	1,626	1,676	1,900	2,016	2,219
Other financial assets	106	232	343	297	130
Other assets	126	141	181	166	210
Income tax receivables	81	92	42	39	63
Cash and cash equivalents	433	300	636	675	724
Total current assets	3,867	3,977	4,815	5,005	5,059
Total assets	8,463	8,387	11,617	9,675	12,450

1) Includes collateralized loan note receivables from Schaeffler Holding f EUR 1,885 mn as of September 30, 2015 (EUR 1,701 mn as of December 31, 2014) , secured by share pledges over approx 23 mn shares of Continental AG.

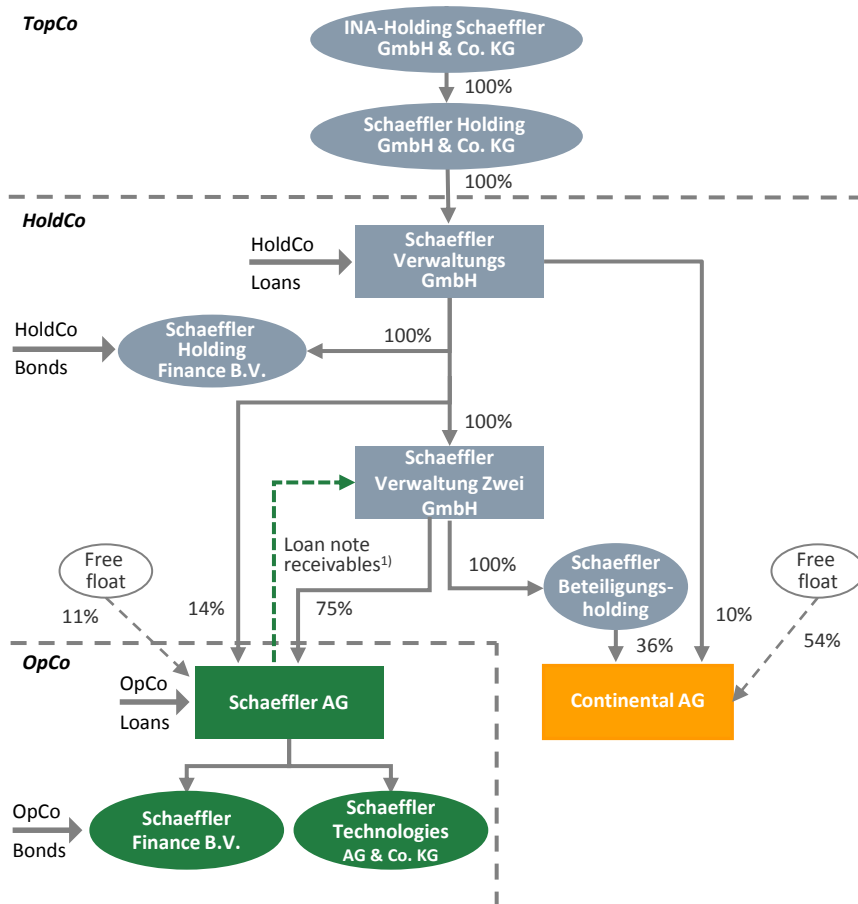
Balance sheet 2012 – 9M 2015 (continued)

in EUR mn

Shareholders' equity and liabilities	2012	2013	2014	9M 14	9M 15
Share capital	500	500	600	500	600
Capital reserves	0	0	1,600	0	1,600
Other reserves	(2,796)	(2,031)	(1,276)	(1,592)	(1,005)
Accumulated other comprehensive income (loss)	(362)	(492)	(737)	(641)	(649)
Equity attributable to shareholders of the parent	(2,658)	(2,023)	187	(1,733)	546
Non-controlling interests	60	57	71	67	85
Total shareholders' equity	(2,598)	(1,966)	258	(1,666)	631
Provisions for pensions and similar obligations	1,545	1,510	1,984	1,813	1,959
Provisions	75	95	70	105	71
Financial debt	6,863	5,720	6,413	6,434	6,670
Income tax payables	181	235	237	246	260
Other financial liabilities	237	162	21	59	12
Other liabilities	4	6	8	6	7
Deferred tax liabilities	122	142	106	101	115
Total non-current liabilities	9,027	7,870	8,839	8,764	9,094
Provisions	211	589	232	226	254
Financial debt	111	33	1	177	4
Trade payables	805	1,022	1,261	1,099	1,266
Income tax payables	159	152	155	224	200
Other financial liabilities	482	405	558	512	626
Other liabilities	266	282	313	339	375
Total current liabilities	2,034	2,483	2,520	2,577	2,725
Total shareholders' equity and liabilities	8,463	8,387	11,617	9,675	12,450
Additional information					
Gross financial debt	6,974	5,753	6,414	6,611	6,674
Cash and cash equivalents	433	300	636	675	724
Net financial debt	6,541	5,453	5,778	5,936	5,950

Overview on current corporate and financing structure

Corporate structure (as of 12 November 2015)



1) Loan note receivables of EUR1,885m secured by share pledges over 23,250,361 Continental AG shares.

Pro forma financing structure

Post prepayments from IPO proceeds in October 2015

Debt instrument	Nominal (mn)	Interest	Maturity	Rating
HoldCo Loans:				
HoldCo Term Loan (EUR)	500 ²⁾	E+4.25%	Oct-20	Not rated
HoldCo RCF (EUR 200 mn)	-	E+4.25%	Oct-20	Not rated
HoldCo Bonds:				
6.875% SSNs 2018 (EUR) ³⁾	800	6.875%	Aug-18	Ba3 / B
6.875% SSNs 2018 (USD) ³⁾	1.000	6.875%	Aug-18	Ba3 / B
6.25% SSNs 2019 (USD) ³⁾	475	6.25%	Nov-19	Ba3 / B
5.75% SSNs 2021 (EUR) ³⁾	350	5.75%	Nov-21	Ba3 / B
6.75% SSNs 2022 (USD) ³⁾	675	6.75%	Nov-22	Ba3 / B
OpCo Loans:				
OpCo Term Loan B (EUR)	345	E ⁴⁾ +3.50%	May-20	Ba2 / BB-
OpCo Term Loan B (USD)	590	L ⁴⁾ +3.50%	May-20	Ba2 / BB-
OpCo RCF (EUR 1,000 mn)	-	E+2.6875%	Oct-19	Not rated
OpCo Bonds:				
4.25% SSNs 2018 (EUR)	600	4.25%	May-18	Ba2 / BB-
2.75% SSNs 2019 (EUR)	500	2.75%	May-19	Ba2 / BB-
3.25% Unsec.Ns 2019 (EUR)	500	3.25%	May-19	B1 / B
2.50% SSNs 2020 (EUR)	400	2.50%	May-20	Ba2 / BB-
4.75% SSNs 2021 (USD)	850	4.75%	May-21	Ba2 / BB-
4.25% SSNs 2021 (USD)	700	4.25%	May-21	Ba2 / BB-
3.50% SSNs 2022 (EUR)	500	3.50%	May-22	Ba2 / BB-
4.75% SSNs 2023 (USD)	600	4.75%	May-23	Ba2 / BB-
3.25% SSNs 2025 (EUR)	600	3.25%	May-25	Ba2 / BB-

2) Up to EUR 600 mn.

3) Senior Secured PIK Toggle Notes.

4) Floor of 0.75 %.