

Fact Book

Knorr-Bremse AG



Agenda

- **Introduction**
- Key Company Highlights
- Rail Vehicle Systems (RVS)
- Commercial Vehicle Systems (CVS)
- R&D Focus
- Financials
- Sustainability
- Capital Markets Summary
- Appendix



The Knorr-Bremse leadership team



Dr. Jan Mrosik
CEO

- 2021-present: Knorr-Bremse | CEO
- 2019-2020: Siemens AG | COO Digital Industries
- 2016-2019: Siemens AG | CEO Digital Factory Division
- 2014-2016: Siemens AG | CEO Energy Management Division
- 2011-2014: Siemens AG | CEO Smart Grid Division
- PhD in Engineering

Professional Experience **24**

Start at Knorr-Bremse **01/21**



Frank Markus Weber
CFO

- 2020-present: Knorr-Bremse | CFO
- 2016-2020: Daimler AG | Head of Corporate Development
- 2019-2020: Mercedes-Benz AG | Head of Transformation
- 2013-2016: Daimler Trucks Asia | CFO
- 2011-2013 Mitsubishi Fuso Trucks & Bus Corporation | CFO
- Diploma in Bus. Administration

Professional Experience **24**

Years with Knorr-Bremse **1**



Dr. Peter Laier
Member of the Board (CVS)

- 2016-present: Knorr-Bremse | Head of CVS
- 2014-2015: Benteler International | COO
- 2013-2014: Osram Licht | CTO
- 2000-2012: Continental | Executive Vice President
- PhD and Diploma in Mechanical Engineering

Professional Experience **24**

Years with Knorr-Bremse **5**



Dr. Claudia Mayfeld
Member of the Board (Integrity & Legal)

- 2021-present: Knorr-Bremse | Head of Integrity & Legal
- 2013-2019: RWE Pensionsfond | Member of the Executive Board
- 2016-2020: Innogy SE | Senior Vice President Group Legal & Compliance, General Counsel
- 2013-2016: RWE AG | Senior Vice President Group Legal & Compliance, General Counsel
- PhD in Accounting Principles

Professional Experience **28**

Start at Knorr-Bremse **05/21**



Dr. Jürgen Wilder
Member of the Board (RVS)

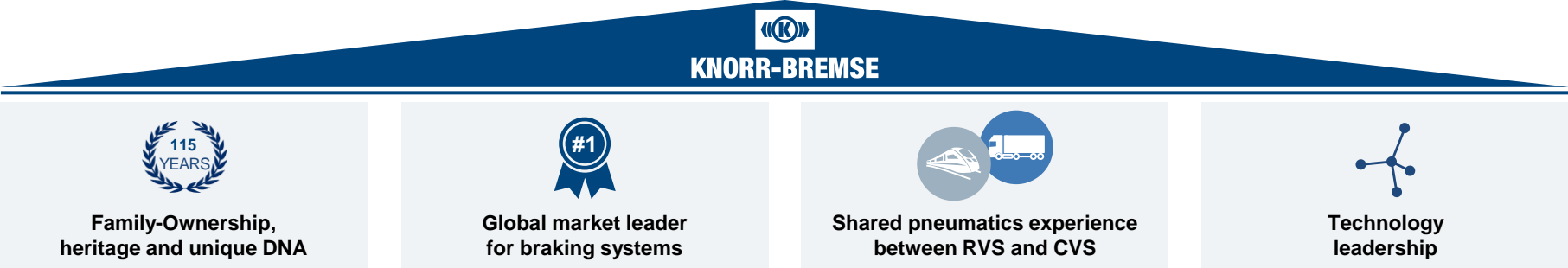
- 2018-present: Knorr-Bremse | Head of RVS
- 2015-2017: DB Cargo AG | CEO
- 2013-2015: Siemens AG | CEO Mainline Transportation Global Business Unit
- 2011-2013: Siemens AG | Head of Strategy Infrastructure and Cities Sector
- PhD in Physics

Professional Experience **20**

Years with Knorr-Bremse **3**

Notes: RVS - Rail Vehicle Systems; CVS - Commercial Vehicle Systems

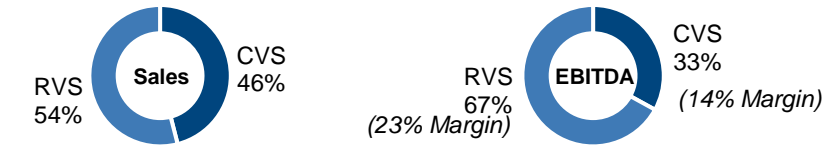
Knorr-Bremse – One of Germany’s most successful industrial companies



2020 Key financials



BALANCED PORTFOLIO²⁾ ...

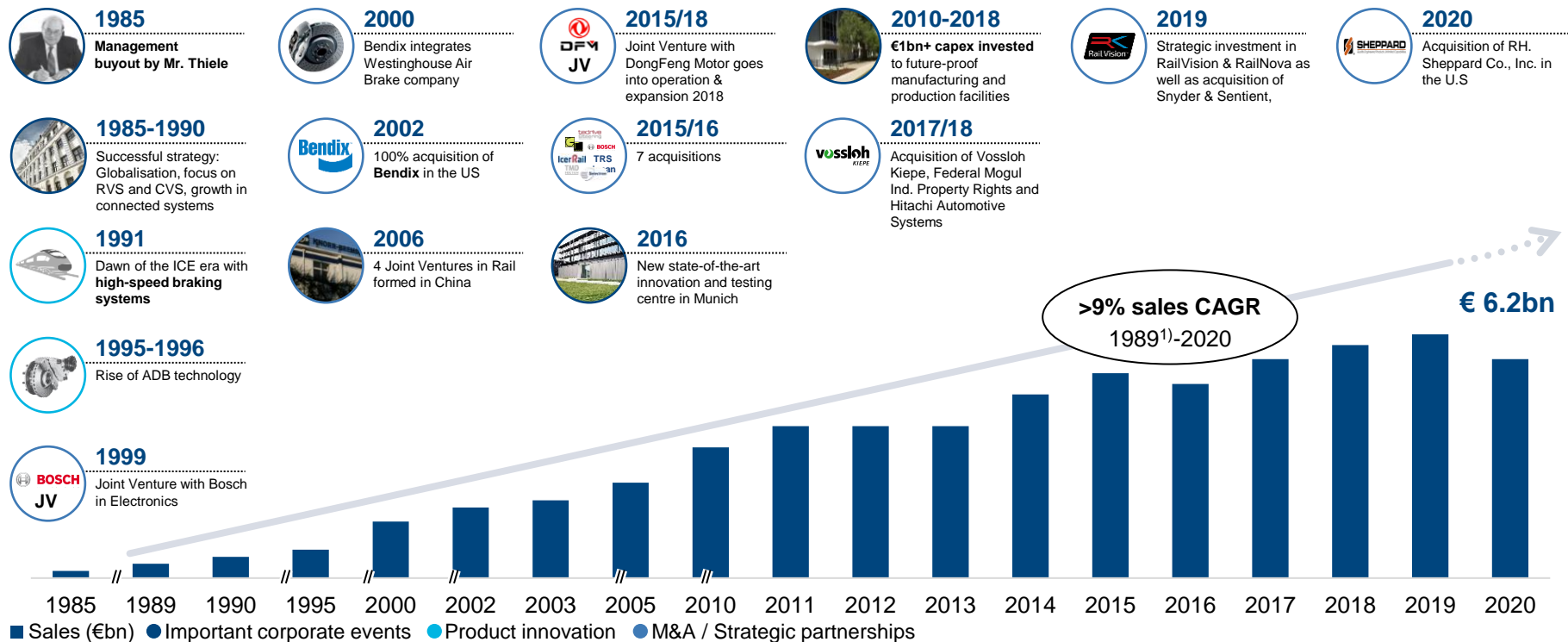


... AND DIVERSIFIED GLOBAL FOOTPRINT WITH HIGH LOCAL CONTENT



Notes: Sales, EBITDA, EBIT, and EBIT for 2020 based on annual report prepared in accordance with IFRS, other financial figures for 2020 prepared in accordance with German GAAP (HGB); Aftermarket share based on German GAAP (HGB) where BilRUG sales allocated proportionally between OE and aftermarket; RVS – Rail Vehicle Systems; CVS – Commercial Vehicle Systems; 1) CAGR 1989–2019 based on German GAAP (HGB), 1989 – first year when consolidated accounts are available; 2) Excluding consolidation/other; 3) Including human resources leased staff; Source: Knorr-Bremse information

Over 30 years of consistent strong growth



Notes: 1986-2016 based on financial statements prepared in accordance with German GAAP (HGB) and 2017-2019 based on financial statements prepared in accordance with IFRS. 1) 1989 – first year when consolidated accounts are available

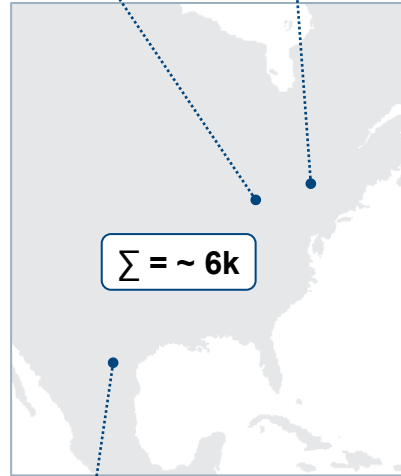
Global Footprint w/ ~29k headcount: international value added structure at KB

[Group: 29k | Rail: 16k | Truck: 12k | Others: 1k]

Americas

Elyria, USA
~700 employees

Watertown, USA
~500 employees



Acuña, MEX
~1,700 employees

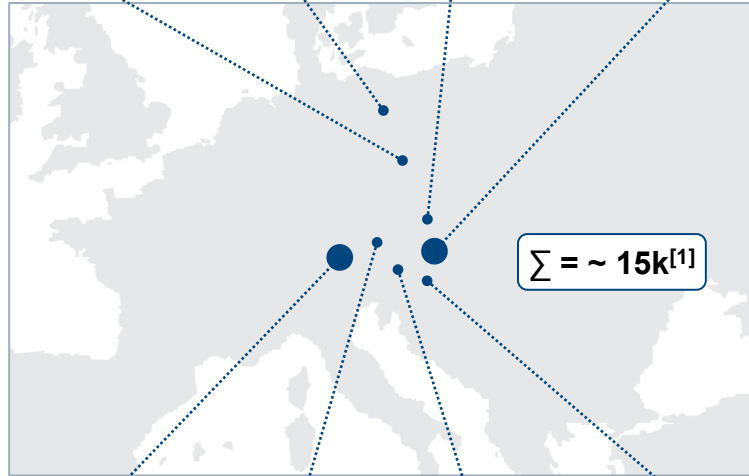
Europe

Liberec, CZE
~800 employees

Berlin, DE
~1,000 employees

Brno, CZE
~900 employees

Budapest, HUN (F&E*)
~1,800 employees



München, DE (F&E*)
~2,100 employees

Aldersbach, DE
~1,000 employees

Mödling, AUT
~600 employees

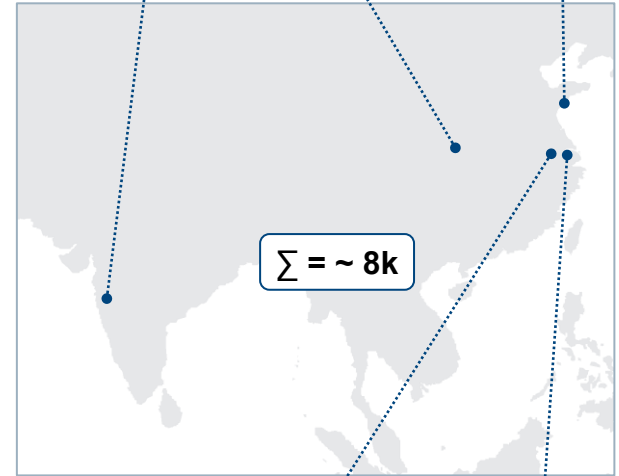
Kecskemét, HUN
~950 employees

Asia

Pune, IND
~1,000 employees

Shiyan, CHN
~700 employees

Qingdao, CHN
~600 employees

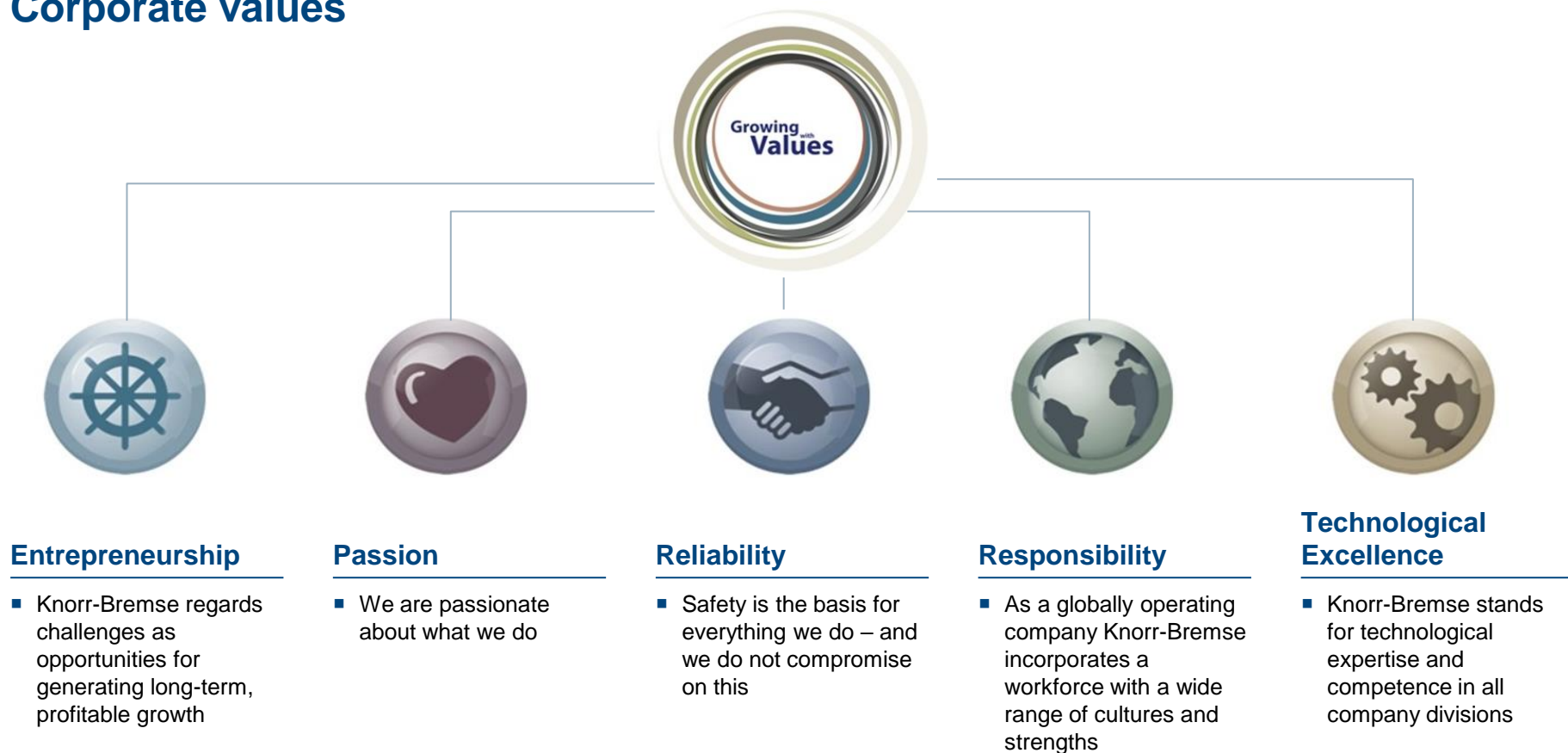


Wuxi, CHN
~500 employees

Suzhou, CHN
~1,600 employees

15 largest sites in terms of workforce size *Research and development sites; As of 31.12.2019 1) incl. Africa

Corporate values



Agenda

- Introduction
- **Key Company Highlights**
- Rail Vehicle Systems (RVS)
- Commercial Vehicle Systems (CVS)
- R&D Focus
- Financials
- Sustainability
- Capital Markets Summary
- Appendix



Global market leader in rail and truck



Market leadership

A global market leader

~**50% market share**¹ in RVS brakes

~**23% market share**¹ in CVS brakes



Market outperformance

Track record of **above industry growth: 10% historic revenue CAGR**²



Innovation edge

Shaping industry trends by focusing on **safety** and **mission critical** applications



High safety requirements

Key supplier with global core technology know-how and capabilities
Clearly ahead in global **homologation** processes



Resilience

37% aftermarket share¹

Well-balanced **portfolio**
Cost-efficient operations



Profitability

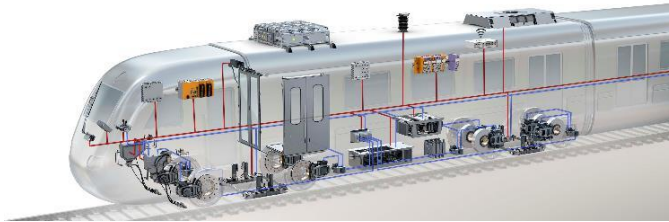
Ø EBIT margin of ~16%³
Focus on **attractive** rail and truck **end markets**

1) In 2020 2) 1989-2019 3) 2015-2019

Global #1 – Leading supplier of safety-critical rail and commercial vehicle systems

RVS offering (2020: 54% of sales, 67% of EBITDA)

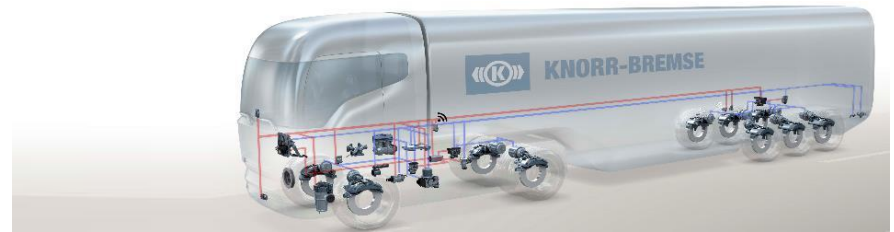
Brake systems	Entrance systems	HVAC ¹⁾	Train Control Management Systems	LRV ²⁾ traction systems
---------------	------------------	--------------------	----------------------------------	------------------------------------




Power electronics	Auxiliary power supply	Signaling systems
Modernisation and support		Modernisation and support

CVS offering (2020: 46% of sales, 33% of EBITDA)

Fuel efficiency <ul style="list-style-type: none"> Engine components Transmission 	Brake systems, steering & vehicle dynamics <ul style="list-style-type: none"> Brake control Brake systems Automated driving Steering systems
---	--



Energy supply & distribution	Connectivity	Electrification
Aftermarket services including Alltrucks network ³⁾ 		

Our customers

Example car builders



Example operators



Notes: 2020 financials based on IFRS excluding consolidation/other; 1)HVAC – Heating, ventilation and air conditioning; 2)LRV – Light rail vehicle; 3) Joint Venture between Bosch, Knorr-Bremse and ZF providing a range of workshop services relating to the repair and maintenance of commercial vehicles across all brands; 4) OEM – Original Equipment Manufacturer

Global #1 – ... protected by high barriers to entry

Barriers to entry for RVS and CVS markets

Regulation / homologation

Low volumes, high number of variants with high level of customisation

High initial capital requirements, highly protected IP landscape and economies of scale

Highest quality and safety requirements

Long life-cycle with resulting customer loyalty, long gestation period for aftermarket

Same industry leaders since creation of the industry over 100 years ago

Market specifics

RVS

Only supplier world-wide

certified for all global and local standards and norms (GOST, UIC, AAR, ARA)

Vast array of product variants to homologate

(e.g. >100k active brake articles by Knorr-Bremse)

Homologation time typically 4-8 years

for recent Knorr-Bremse products

CVS

One of only two suppliers able to offer harmonised products globally

Continuously increasing safety and emission standards requirements

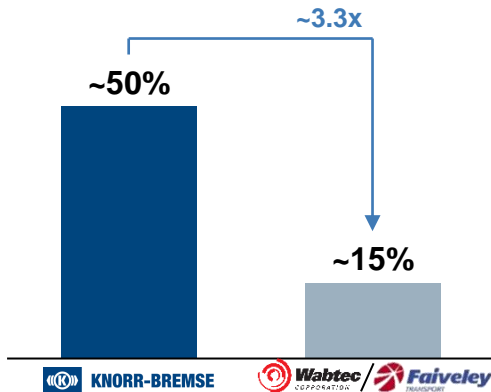
KB has maintained and expanded its market leading positions



Market positions key product groups¹

Global brakes market shares¹

- #1 Brake systems
- #1 Entrance systems
- #1 HVAC systems²



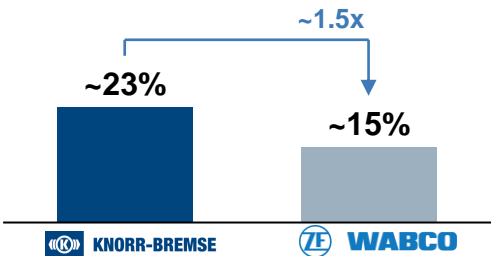
*Example global market leader
for brakes¹*



Market positions key product groups³

Global brakes market shares³

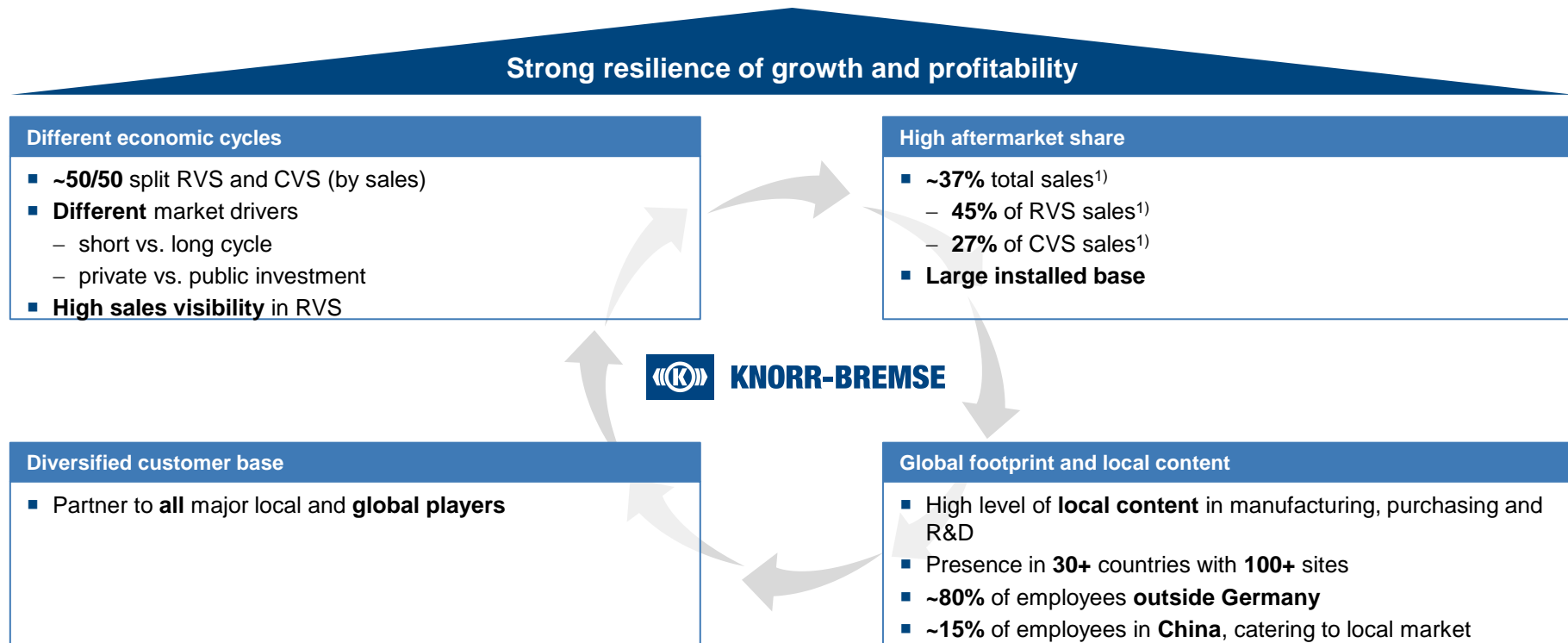
- #1 Brake systems & vehicle dynamics⁴
- #1 Energy supply & distribution⁵
- #1 Fuel efficiency⁶



*Example global market leader for
brake systems & vehicle dynamics⁴*

1) 2020 estimates for OE and aftersales without labor; Wabtec includes Faiveley; For competitor, an estimate was used; Market shares rounded to the nearest multiple of 5% 2) Heating Ventilation Air Conditioning
3) For 2020 global addressable Truck, Bus and Trailer OE market, excl. aftermarket 4) Air disc brake, valves / pedal unit, actuators, foundation drum brake, steering, brake control (ABS, EBS, ESP), ADAS, ELC, others 5) Compressors, air treatment 6) Vibration dampers, engine air control, transmission – gear and clutch actuation/ control; Source: internal market research

Resilience – Strong business model



Notes: 1) Based on IFRS in 2020

Resilience – Attractive aftermarket business with comprehensive service offering drives profitability and contains high future potential

Aftermarket is the growth and resilience backbone

Key features

Annuity-like

- Regulated maintenance intervals
- Leverages high installed base
- 20-30 years long relationships



Close to the customer

- RVS
 - 36 service centres²⁾
 - 20 service locations at customers' premises
- CVS
 - >1,600 certified service partners
 - >700 Alltrucks workshops



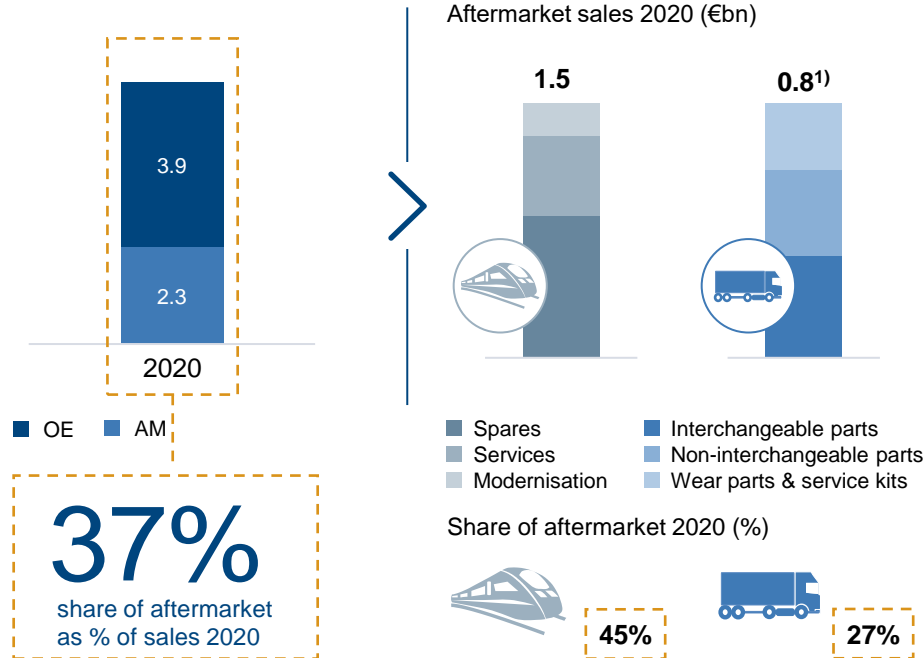
Strong customer retention (homologation)

- High switching costs
- Focus on safety and quality
- IP protection



Innovative business model

- New connectivity-based business models
- Preventive
- Predictive



Notes: 1) Total CVS aftermarket sales and independent aftermarket sales EMEA (excl. South Africa & Skach) as proxy for the global split; 2) Does not include service locations at customers' premises;

Synergistic business – Technology and scale benefits between Rail and Commercial Vehicles

Interdependence of RVS and CVS

- Same core technologies
- Shared components and materials
- Co-located R&D centers
- Shared overhead functions

Future technology development

- Shared research centres
- ADAS¹⁾ / HAD²⁾ technology transfer
- Condition monitoring, condition-based and predictive maintenance
- Electrification and connectivity
- Electromechanical brake systems

Differences of RVS and CVS

- Serial business (CVS) vs. project business (RVS)
- Different customer group

RVS



CVS



Electric compressors
Friction materials
Air disc brakes (ADB)

Driver assistance
Trailer control valve
Electronic air supply

Notes: 1) ADAS – Advanced driver assistance system; 2) HAD – Highly automated driving

Strong R&D secures our technology leadership

~12,000

single patents granted and applied

Targeted long-term R&D ratio

6 – 7 %

of revenue

~3,800

R&D employees¹⁾

1) FTE at YE20

Industry trends

addressing industry trends with superior technological solutions

Commercial Vehicle Systems



Traffic Safety



Emission Reduction
+ E-Mobility



Automated Driving



Connectivity

Rail Vehicle Systems



Transport Capacity



Availability



Eco Friendliness



Life-Cycle
Management

We confirm our successful strategy

- «1» Systematically **develop base portfolio**
- «2» **Focus on attractive segments** for future outperformance in **rail** and **truck**
- «3» Drive **innovation & digitalization**
- «4» **Clear M&A** strategy
- «5» **Operational excellence**
- «6» **ESG** and **sustainability**
- «7» **Strong financial performance**



Agenda

- Introduction
- Key Company Highlights
- **Rail Vehicle Systems (RVS)**
- Commercial Vehicle Systems (CVS)
- R&D Focus
- Financials
- Sustainability
- Capital Markets Summary
- Appendix



RVS – Outperformance and resilience



Market leadership

Global #1 market leader across products and regions (e.g. ~50% market share in brake systems)



Strong growth profile

RVS with **long track record of outperforming underlying markets**



Technology innovation

- **Strong technology innovator** shaping industry standards
- Continuation of **R&D investments**



High barriers to entry

- **Safety-critical products** with significant homologation barriers
- RVS only supplier certified for all standards and norms globally



Resilience

- **Expansion of business** through customer-region-product mix
- **Strong aftermarket** (~45% revenue share)



Profitability

Outstanding profit margins with track record of margin expansion and disciplined cost management (EBIT margin ~19%)

Notes: Based on 2020 figures

RVS – the leading safety critical systems supplier for rail with a track record of market outperformance



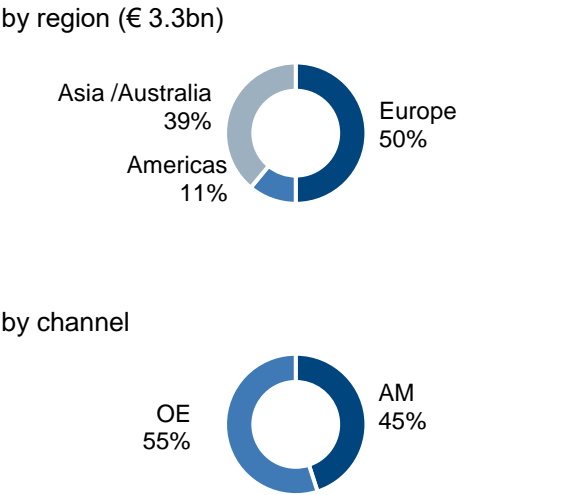
Highlights

-  Rail brake systems supplier globally¹⁾
-  Rail entrance systems supplier globally¹⁾
-  HVAC systems supplier globally¹⁾
-  Global brakes market share¹⁾
-  Present in 50-55% of global installed base²⁾
-  c.16k employees

2020 key financials

€ 3.3bn sales
5.1% CAGR 2010-2020 ³⁾
€ 764m EBITDA (22.9% margin)
€ 637m EBIT (19.1% margin)
45% aftermarket share ⁴⁾

2020 sales split

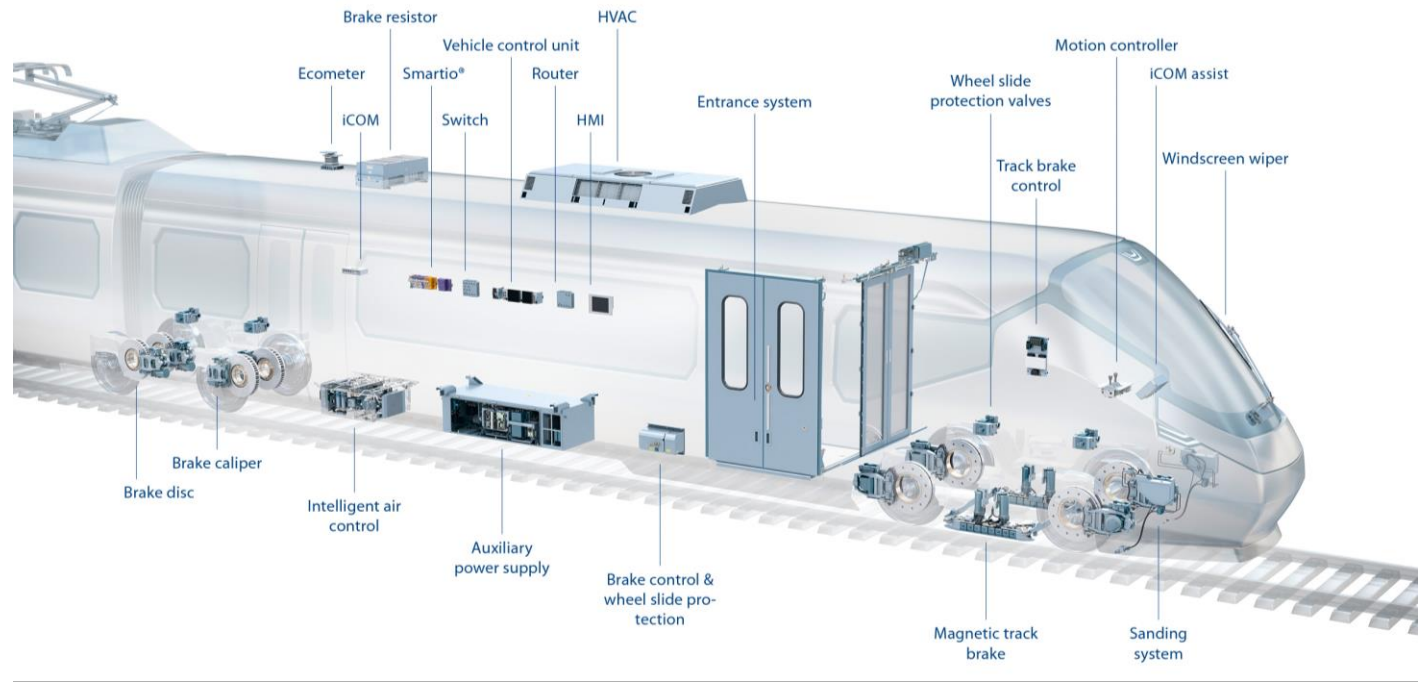


Notes: BilRUG sales allocated proportionally between OE and aftermarket; 1) RVS market share estimates for OE and aftersales without labour; 2) All active rail vehicles without freight cars with a minimum of one Knorr-Bremse system related to brakes, entrance systems and HVAC installed; 3) Total reported RVS sales growth including OE and aftermarket based on German GAAP (HGB) 2010-2016; from 2016 IFRS 4) BilRUG sales allocated proportionally between OE and aftermarket

Deep dive into RVS braking technologies of Knorr-Bremse



Key elements of a braking system in RVS



Underlying global rail market with steady and robust growth



Development of markets - Market volume Brakes, Doors, HVAC, incl. labour [€ bn, CAGR in %]¹

World



Europe / Africa



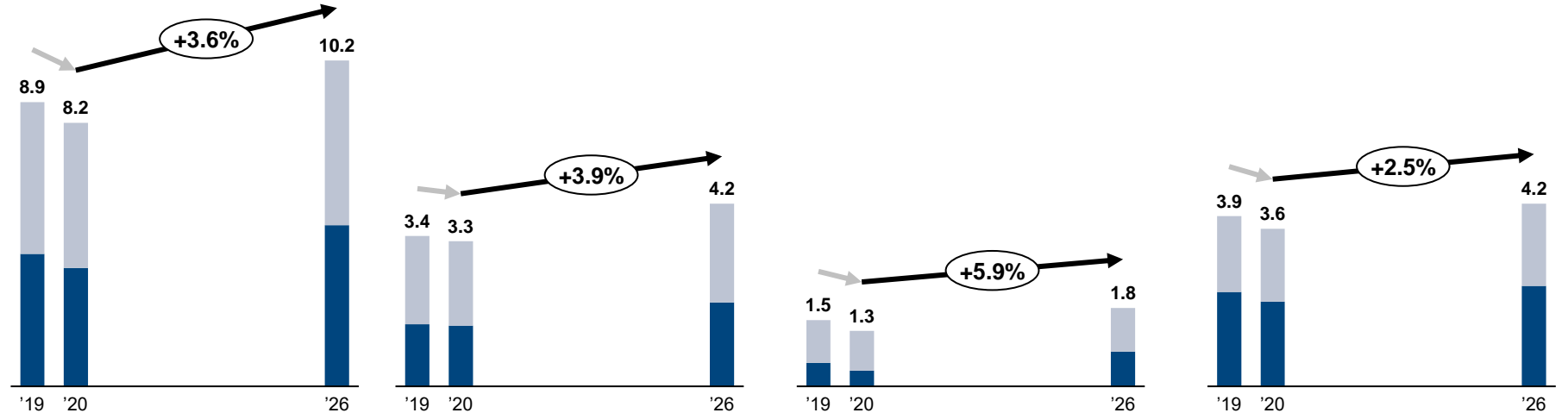
North & South America



Asia Pacific



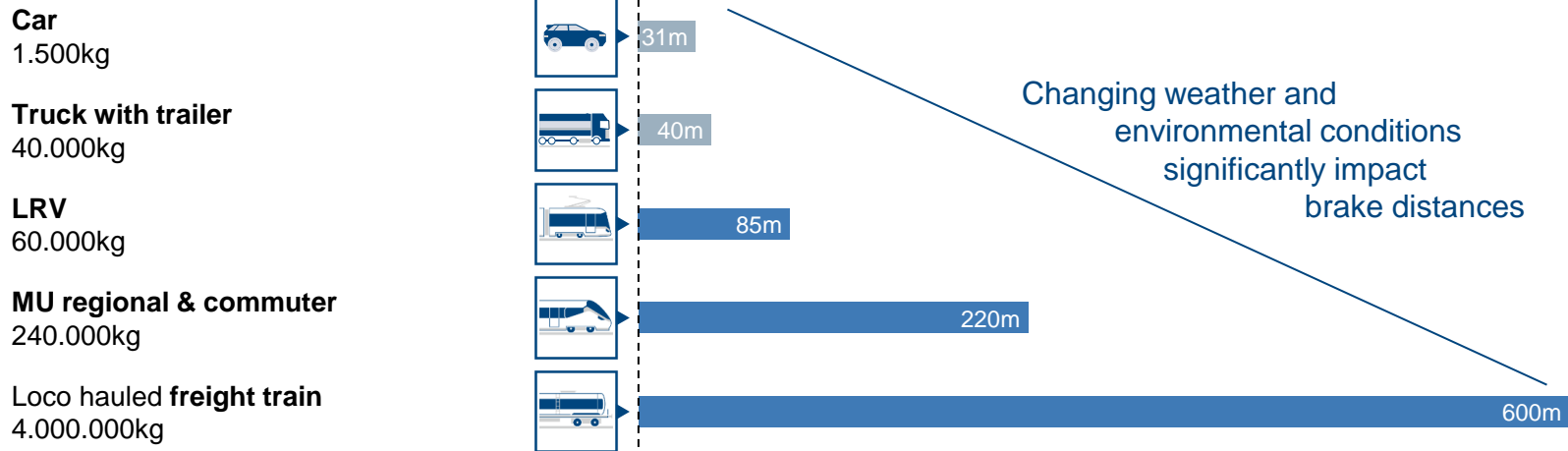
AM
OEM



¹Based on internal analyses for the relevant segments

The enormous brake distances in Rail require outstanding braking performance

Different braking distances at 80km/h



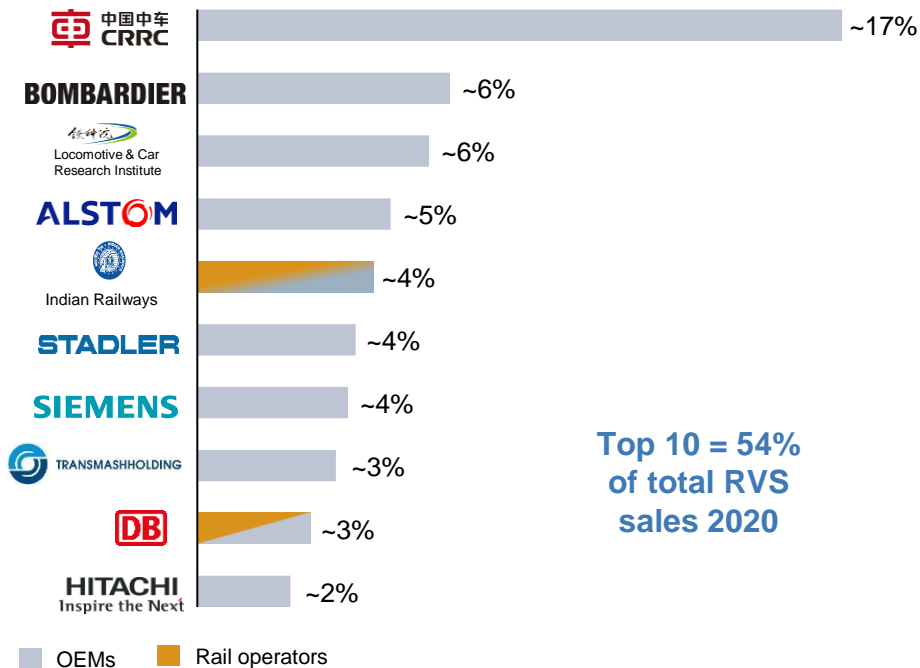
Different braking distances at 330km/h



Global Tier-1 partner of choice for OEMs and rail operators in all regions



Top 10 customers 2020 (% of sales)



Top 10 = 54%
of total RVS
sales 2020

Other major Knorr-Bremse customers

>>300 Relevant rail operator customers

Europe / Africa



Americas



Asia / Australia



>50 Relevant OEM customers

Asia / Australia



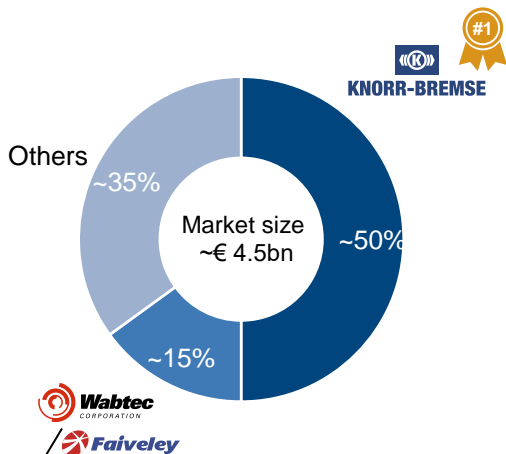
Notes: 2020 sales and customer data based on 31.12.2020; Share of top 10 customers as % RVS sales 2020 may not add up due to rounding

RVS is the global #1 across key product categories

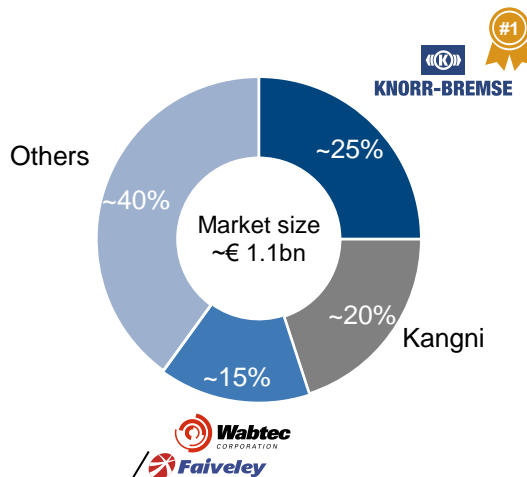


Global market share 2020¹ (% of sales)

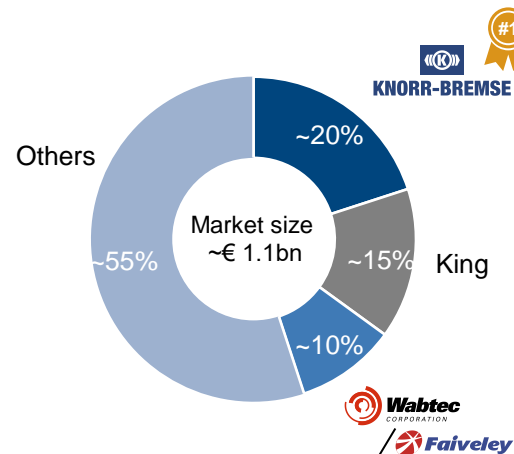
Brake systems (~68% of RVS sales)



Entrance systems (~9% of RVS sales)



HVAC (~7% of RVS sales)



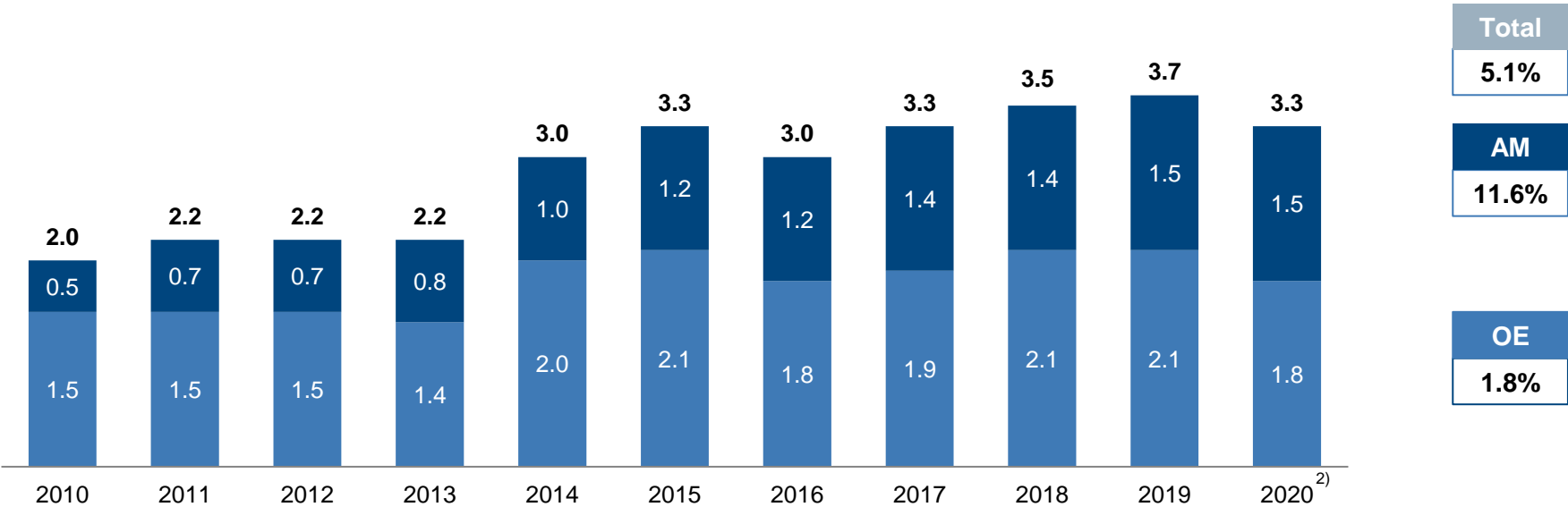
¹Based on internal analyses for the relevant segments, for OE and aftermarket without labour, for competitors a price estimate was used, rounded to the nearest multiple of 5%

Historic development of OE and AM business



Strong growth both in OE and AM

RVS sales by type (until 2017 German Gaap/HGB, 2018-2020 IFRS, €bn, 2010-2020) ¹⁾



1) BilRUG sales allocated proportionally between OE and aftermarket; 2) RVS sales split 2019 may not add up due to rounding

Expected development of Aftermarket (RailServices) business



Characteristics aftermarket

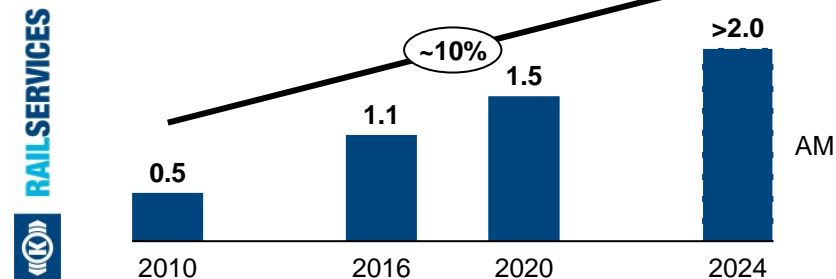
- Long customer relationships & loyalty of >30 years
- Through tear & wear very attractive, high margin business
- Underlying global Rail market +2.6%²⁾

Development aftermarket

- Higher focus on **life-cycle costs** and **availability commitments** (contractually binding)
- **Digitization** with new players
- Increased business demand for **reduced energy** consumption

RVS aftermarket

Revenue development (€bn)¹⁾



- **Global footprint with a strong local presence**
- **High installed base**
- **High customer retention rate**
- **Additional data driven business models**
- **Development of energy efficient solutions**







Notes: 1) Revenue based on external (third party) sales German GAAP (HGB); Values recognize FX rates; 2) Unife: expected average market growth until 2023



















RVS is the only supplier world-wide certified for all local standards and norms



Market protected by unique level of complexity ...

	Major global standards	4
	Unique configurations for vehicle types	7
	Brake subsystems	3
	Safety-critical components	>100
	Country- and customer-specific variants	Multiple
	100k active brakes articles to homologate	

... and long homologation time for each component

Standard ¹⁾	Key regions	Typical time-to-market	
		Development (yrs) ²⁾	Certification (yrs) ²⁾
			
			
			
			

Combination of IP ownership and homologation creates high barriers to entry

1) GOST based on recent homologation process, other norms based on expert estimates by Knorr-Bremse; 2) Estimated average required "time-to-market" of a basic freight car solution

Agenda

- Introduction
- Key Company Highlights
- Rail Vehicle Systems (RVS)
- **Commercial Vehicle Systems (CVS)**
- R&D Focus
- Financials
- Sustainability
- Capital Markets Summary
- Appendix



CVS with high-quality business model – Outperformance and resilience



Market leadership

A global market leader
increasing market share (~25% for brake systems & vehicle dynamics)



Strong growth profile

Continuously **outperforming markets with rising content per vehicle** (7% sales CAGR vs. ~3% TPR growth between 2012-2019)



Technology innovation

Technology leader with continuous significant **investment in innovation and R&D**



High safety requirements

Global key supplier with **system know-how and vehicle dynamics capabilities**



Resilience

Strong aftermarket share (~26% revenue share), **cost efficiency**, regional **diversification** as well as track record in **strong cost management execution**



Profitability

Technology differentiation, superior products, systems approach, scale advantage and consequent **cost management** (operating EBIT margin ~12%)

Notes: Based on 2019 figures, market share shown for 2021e

CVS – One of two global leaders with an outstanding position in braking and safety-relevant systems



Highlights

Global market position¹⁾

Technology leader

Global market share

c.12k Employees

2020 key financials

€2.8bn sales

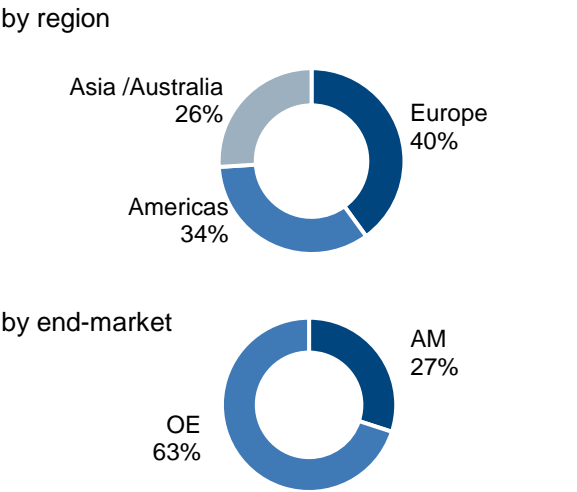
5.3% CAGR 2010-2020²⁾

€381m EBITDA (13.5% margin)

€235m EBIT (8.3% margin)

27% aftermarket share

2020 sales split³⁾

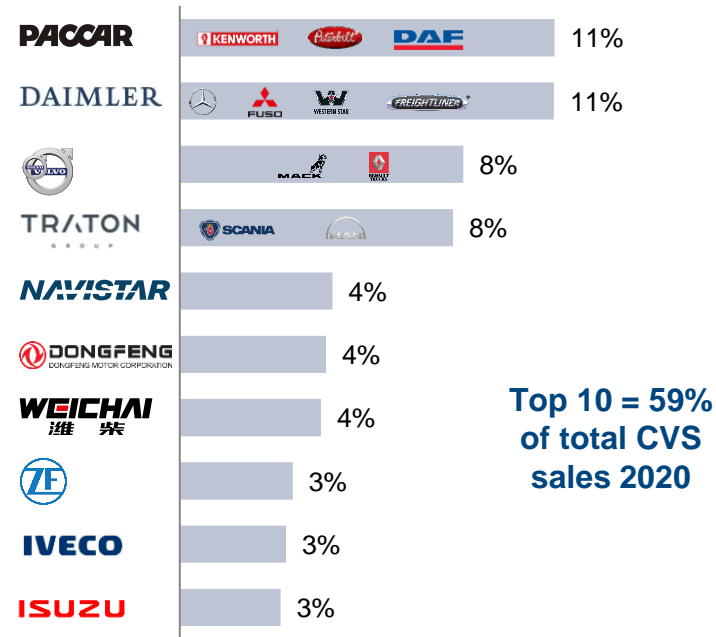


Notes: Sales, EBITDA, EBIT and respective margins based on IFRS; other figures based on German GAAP (HGB) 1) 2020 global addressable Truck, Bus and Trailer OE market,; 2) Total reported CVS sales growth including OE and AM 3) Sales split by region based on IFRS; Other splits based on German GAAP (HGB)

Knorr-Bremse is the partner of choice for global OEMs with long-standing relationships



Top 10 customers 2020 (% of sales)



Years of relationship

>30
>90
>30
>90
>20
>5
>5
>30
>90
>60

Other major Knorr-Bremse customers



1) Share of top 10 customers as % RVS sales 2020 may not add up due to rounding

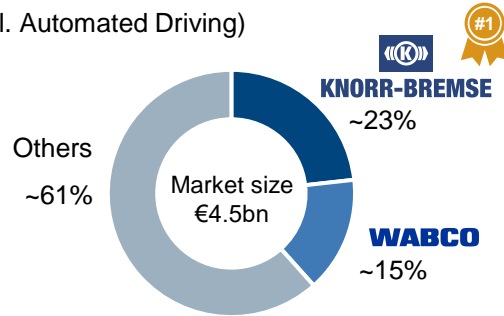
Knorr-Bremse is a global leader in safety-relevant products across key geographies



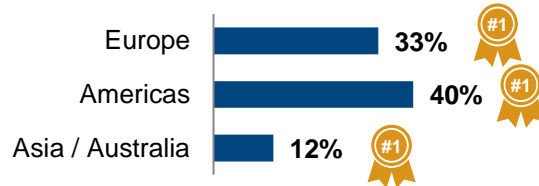
Global market share 2020¹⁾ (% of sales)

Brake Systems & Vehicle Dynamics²⁾

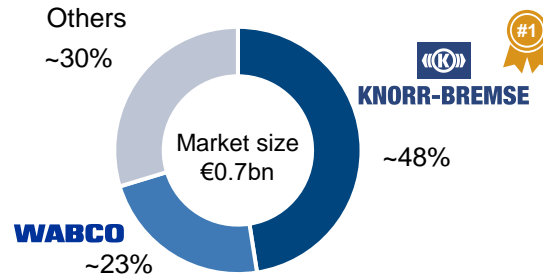
(incl. Automated Driving)



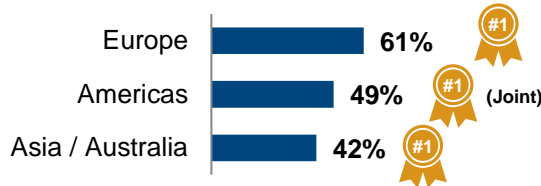
Market share by region [~]



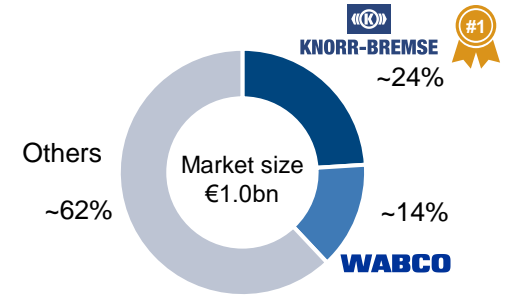
Energy Supply & Distribution³⁾



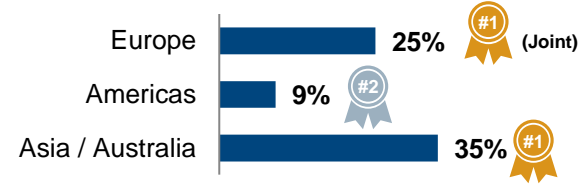
Market share by region [~]



Fuel Efficiency⁴⁾



Market share by region [~]



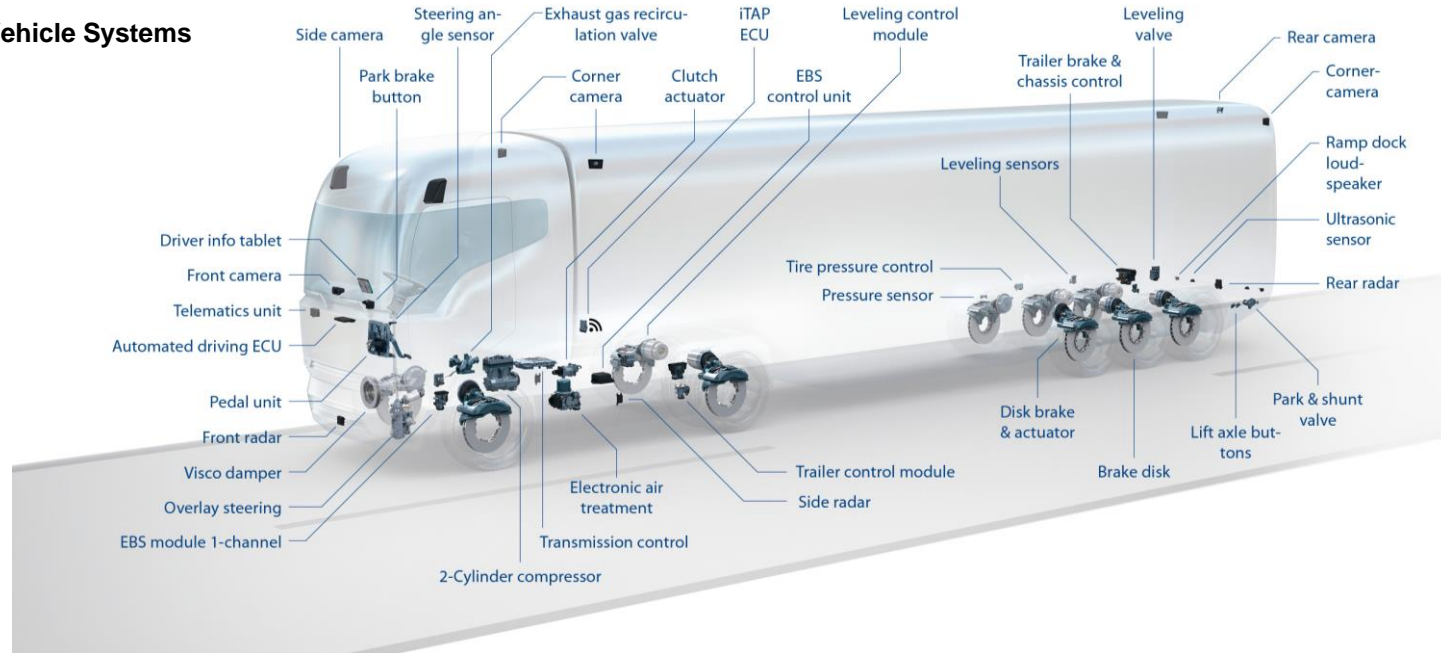
Notes: 1) 2019 addressable Truck, Bus and Trailer OE market, including "Brake Systems & Vehicle Dynamics (incl. Automated Driving)", "Energy Supply & Distribution" and "Fuel Efficiency"; excluding aftermarket; Knorr-Bremse data based on market intelligence and experts estimate in 2019; 2) Air Disc Brake, Valves / Pedal Unit, Actuators, Foundation Drum Brake, Steering, ABS, EBS, ESP, DAS, ELC; including segment Others; 3) Compressors, Air Treatment; 4) Vibration Dampers, Engine Air Control, Transmission - Gear Actuation, Transmission - Clutch Actuation;

Complementary product portfolio provides foundation for positioning as key integrated systems and services provider

Knorr-Bremse CVS comprehensive offering



Commercial Vehicle Systems

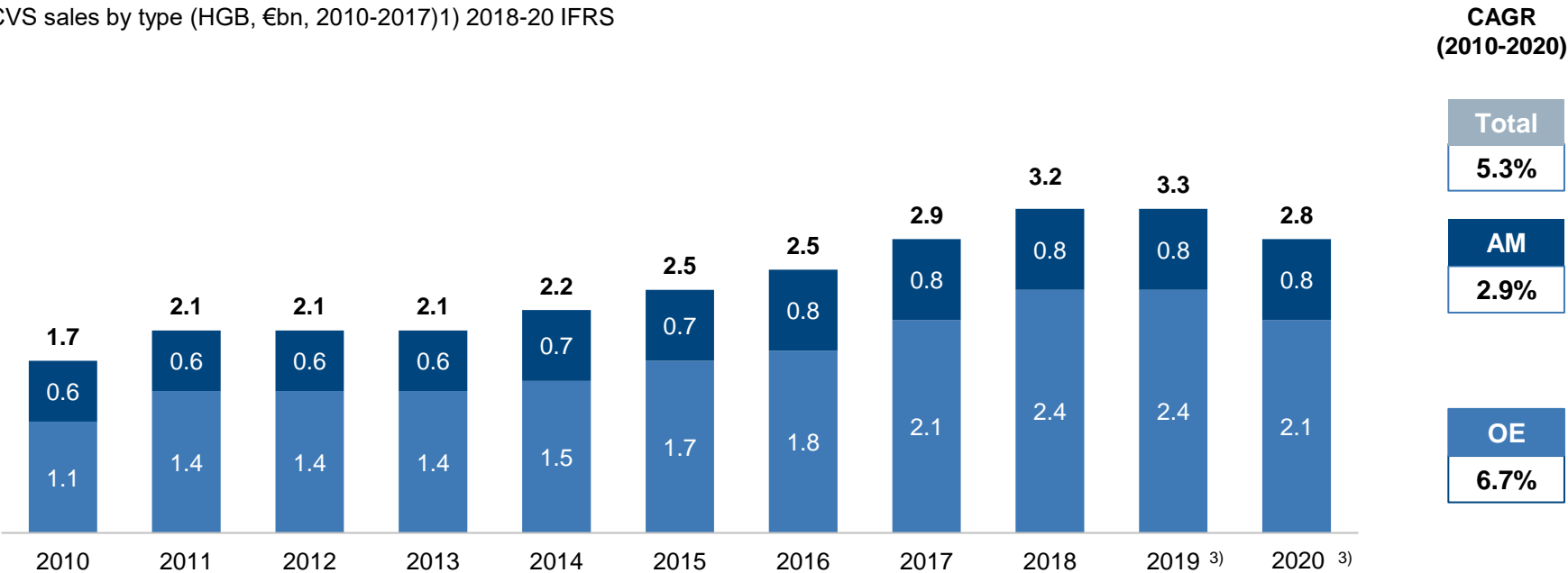


Historic development of OE and AM business



Strong growth both in OE and AM

CVS sales by type (HGB, €bn, 2010-2017)¹⁾ 2018-20 IFRS

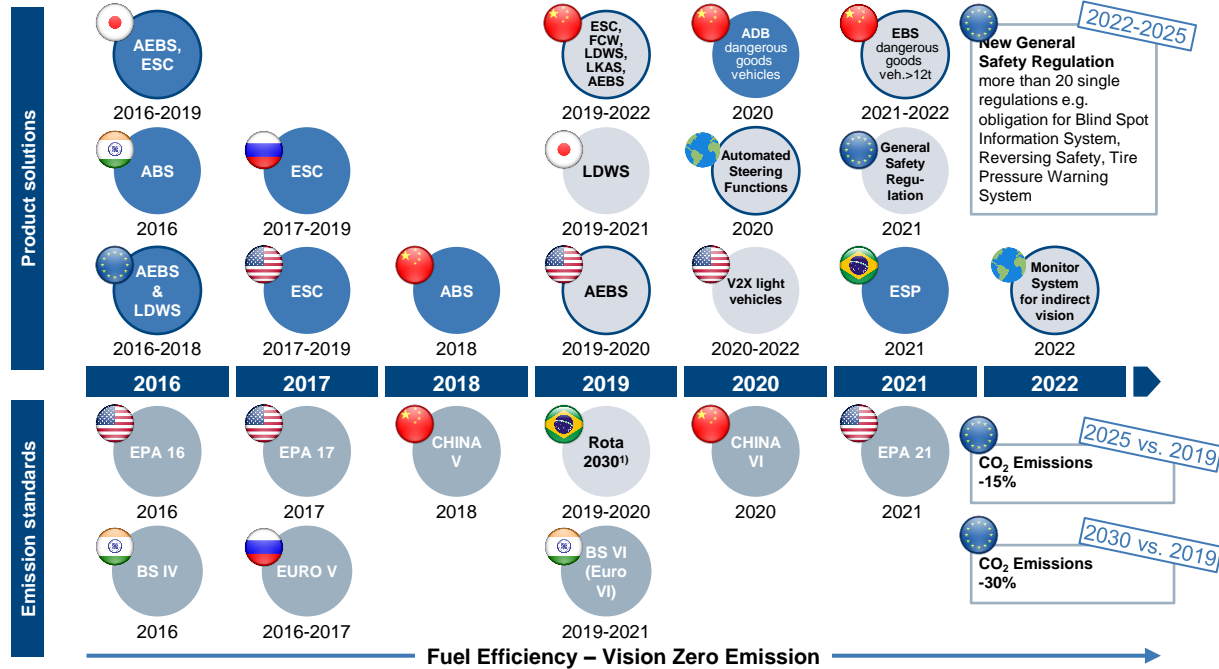


Notes: 1) BilRUG sales allocated proportionally between OE and aftermarket; 2) Global Truck and Bus market excluding aftermarket and Trailer; Source: Knorr-Bremse information and internal market research; IHS for truck production rate; 3) CVS sales split may not add up due to rounding

Conversion in legislation drives the global adoption of technologies provided by Knorr-Bremse



Convergence of legislation creates growth opportunities for products respectively



Legislative decisions foster demand for Knorr-Bremse solutions

● Emission standards ● Traffic and safety ● Automated Driving ● Expected/in discussion

Notes: 1) Approved in May 2018, government intends to stimulate efficiency & vehicle safety; 2) European Commission: COM(2018) 286 & Vulnerable Road Users Directive (VRUD); 3) General Administration of Quality Supervision, Inspection & Quarantine of People's Republic of China, technical specification for safety of power driven vehicles operating in roads; Source: Knorr-Bremse internal market research; Roland Berger market study: Trends in the truck & trailer market (August 2018)

Continued content growth expected in all regions

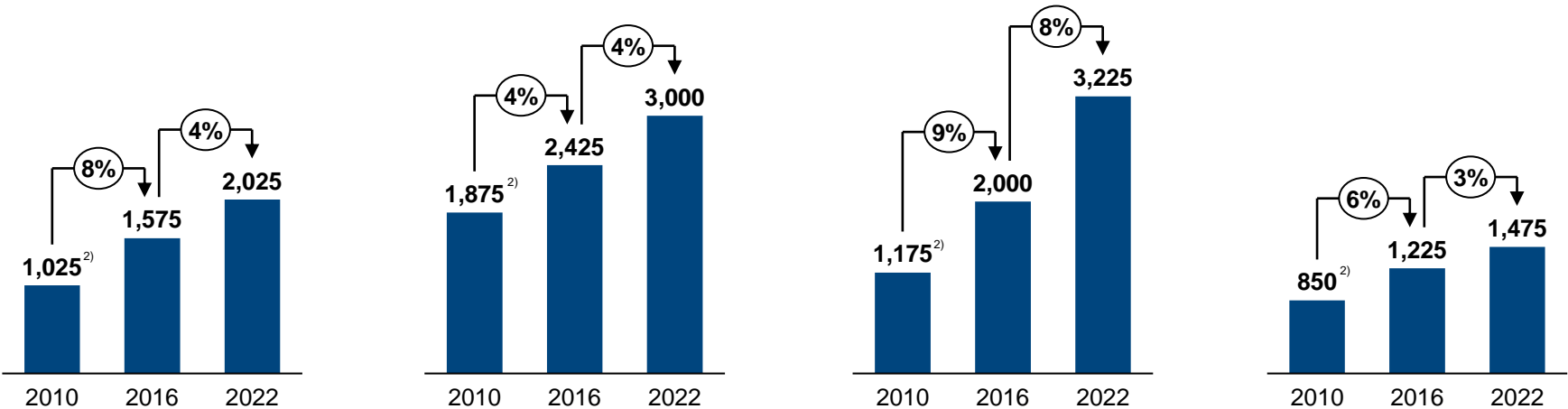


World

Europe

North America

Asia / Pacific

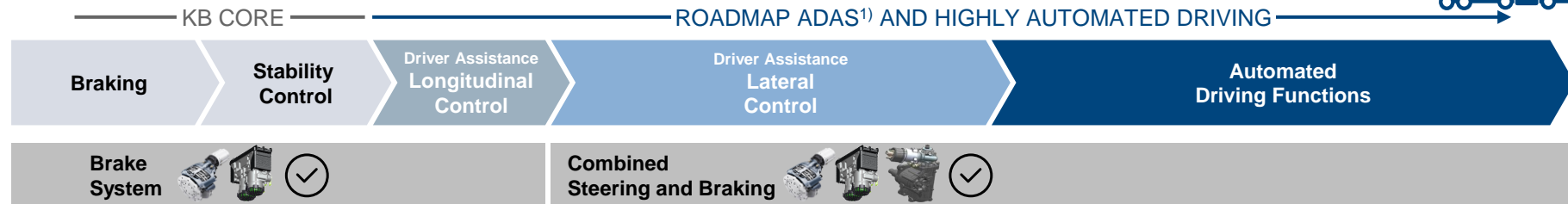


Growth of content per vehicle mainly driven by local regulation and total cost of ownership

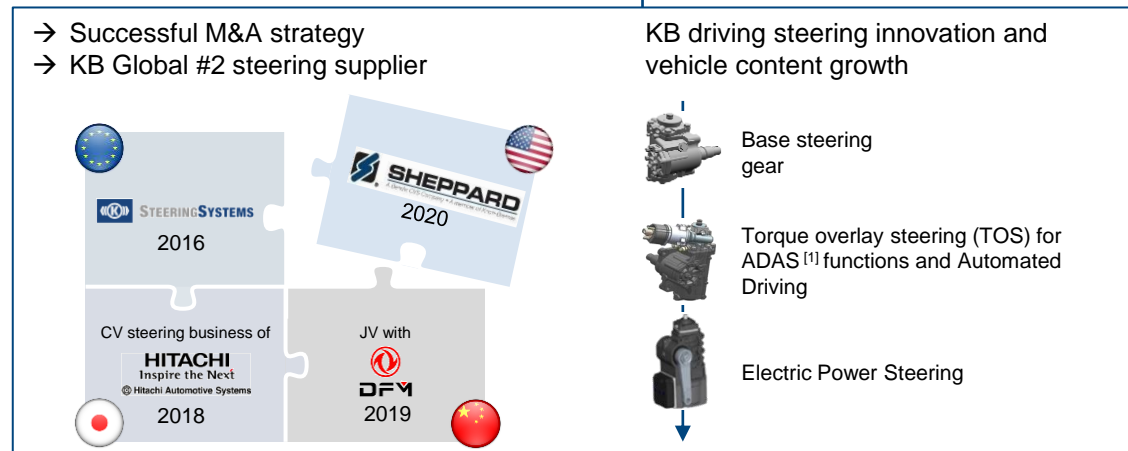
% CAGR Content per Vehicle 2010 - 2016 / 2016 - 2022

Notes: CPV data rounded to nearest €25; 1) CPV for four specific categories analysed in Roland Berger market study: Trends in the truck & trailer market (August 2018): Braking systems, Powertrain, Steering and ADAS; Roland Berger scope excludes Valves / Pedal Unit, Actuators, Compressors, Air Treatment and Others; 2) Implied: applying Knorr-Bremse proprietary market growth CAGR 2010-2016 (made comparable to Roland Berger's market definition) to Roland Berger's 2016 absolute CPV data; Source: Knorr-Bremse internal market research for the CAGRs 2010-2016 and commentary; Roland Berger market study: Trends in the truck & trailer market (August 2018) for 2016 and 2022 CPV data as well as for the CAGRs 2016-2022; Data for Asia/Australia for 2016-2022 calculated based on separate Roland Berger data for (i) Asia/Pacific without China and (ii) China

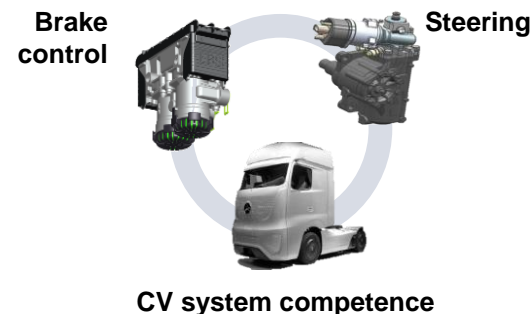
Strategy: combined braking and steering system



- Successful M&A strategy
- KB Global #2 steering supplier

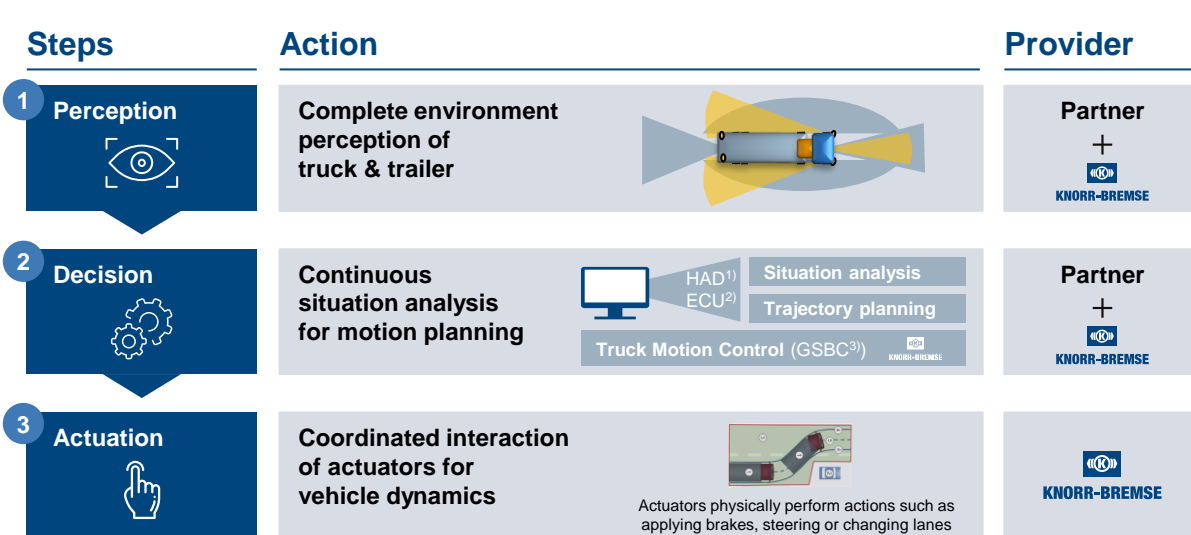


Combined braking and steering for superior vehicle dynamic control and obligatory redundancy



Notes: 1) ADAS = Advanced Driver Assistance Systems

Knorr-Bremse with clear strategy for Automated Driving



4 Redundancy concept


Safety-relevant functions backed up by redundancy:


- Control
- Sensors
- Steering
- Braking
- Electric on-board net


Continuous vehicle dynamic control ensured



System supplier – one interface for customers as the system integrator

5  Optimally designed for commercial vehicle needs

 Cost efficient redundant system architecture

 Profound ADAS⁴⁾ and truck dynamics expertise as solid basis for HAD¹⁾ up to level 5

Notes: 1) Highly Automated Driving; 2) Electronic Control Unit; 3) Global Scalable Brake Control; 4) Advanced Driver Assistance Systems; Source: Knorr-Bremse information

Knorr-Bremse teams up with Continental to become a leading Automated Driving system supplier for commercial vehicles



- Function know-how based on passcar experience & carryover from passcar
- Hardware for localization (radar, camera) and Automated Driving Control Unit



- Truck- & trailer-specific vehicle dynamics: Vehicle guidance and stability control
- Fail-operational architecture
- Commercial vehicle-specific function development, application and release

Perception

Decision

Actuation



Redundancy

System integration 

Consumer Benefits

- Industry benchmark perception decision and actuation from the one source
- Superior performance through full-system approach
- Cost-optimized systems for commercial vehicles

Joint Project Scope

- Development of systems, components and functionality for Automated Driving
- Validation and release of complete highly Automated Driving systems
- Collaboration in joint project house

Internationalisation: Global growth strategy focuses on North America penetration as well as Chinese and Indian market share expansion



Exploit leading position



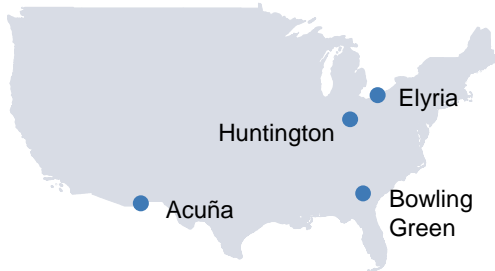
Leverage local presence



Expand market share



Footprint



- Bendix acquisition as enabler for footprint expansion
- Sheppard acquisition to strengthen position as global system supplier of integrated steering and braking systems
- Capitalisation of technological expertise and brand
- Increased content per vehicle (technology as driver)
- Continuous cost structure improvements



- Intensive localisation with key local players
- Capitalise on strong position in OE channel
- Increased content per vehicle (technology as driver)
- Expand network to establish truck aftermarket
- Exploit position in electric bus



- Strong business growth with major Indian customers
- Expansion of product portfolio (dampers, drum brakes)
- Localisation programme creating scale effects

Notes: Based on German GAAP (HGB); FTE includes leasing (EOP) 1) Plant under expansion; Source: Knorr-Bremse information

Agenda

- Introduction
- Key Company Highlights
- Rail Vehicle Systems (RVS)
- Commercial Vehicle Systems (CVS)
- **R&D Focus**
- Financials
- Sustainability
- Capital Markets Summary
- Appendix



R&D is at the very core of Knorr-Bremse's DNA

With over **12,000** patents¹⁾

Knorr-Bremse secures the future innovation roadmap. Largest patent portfolio in the industry²⁾

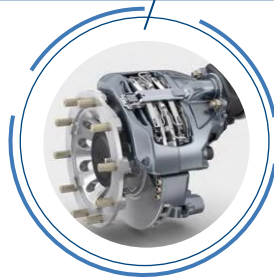
5 state-of-the-art R&D centres globally complemented by 23 local engineering entities with customer proximity

Focused & disciplined approach ensuring highest efficiency

Significant synergies between RVS and CVS

More than **80%** of the most industry-defining **innovations** over the last decades came from Knorr-Bremse






Extensive external network with over **15** R&D partnerships



Long-term targeted R&D ratio: **6-7%** of revenues³⁾

Notes: 1) Granted and applied patents; 2) Based on published number of patent families (granted and applied); 3) Knorr-Bremse 2020 R&D financial information based on IFRS;

R&D portfolio synergies between RVS and CVS...

Services	Vehicle control & automated driving 	Chassis systems 	Braking 	Driving 	Energy Supply & Distribution 
Telematics (iCom maintenance, iTAP-push)	Driver assistance (ACC, AEBS, ASR, LEADER)	Hydraulics	Wheelend / bogie equipment	Conventional actuation	Compressed air
Remote & on-demand maintenance and diagnostics	Motion control	Electronics	Disc brake	Combustion engine components	Compressed air generation
Training drivers/ work shops (Safety direct, dimulator)	Brake control	HMI & driver information (iTAP, etc.)	Brake actuator	Electronic actuation (Kiepe)	Air treatment
Spare parts	Automated Coupling	Level control	Wear-resistant brakes	E-motor	
Remanufacturing	ABS / wheel slide protection	Electronic board net / Charge regulation (Kiepe)	Electrodynamic brakes / recuperation	Converter / traction control	
Energy measurement	Emergency brake	Pantograph (Kiepe)	Tread brake	Automated manual transmission	
Ticketing	V2X communication	Windscreen wiper and wash systems	Electromagnetic brake system		
Transport and logistics optimisation	Vehicle control (TCMS / UCS)	Entrance systems / doors	Eddy current brake		
	Brake distance management / sanding	Air conditioning	Drum brake & adjuster		
	Dynamic driving control (ESP)	Conventional steering	Exhaust brake		
	Vehicle dynamics				
	Torque overlay steering system				

 RVS & CVS

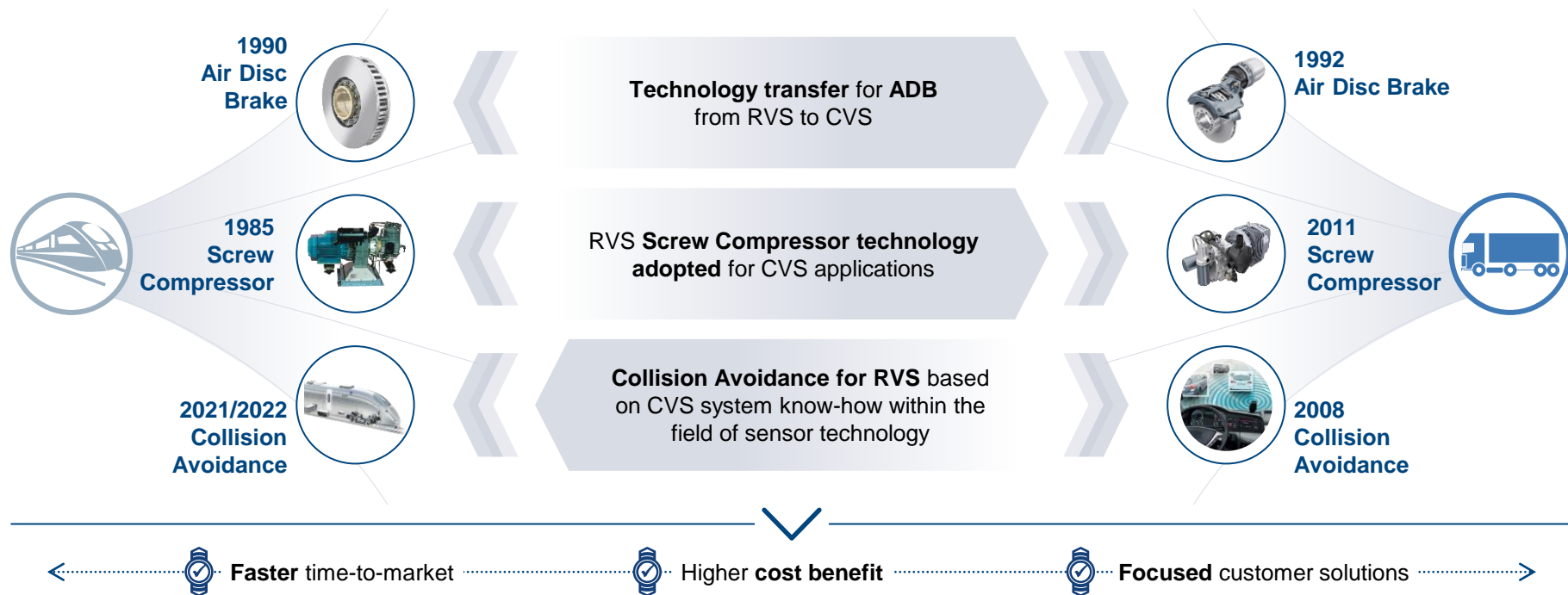
 RVS

 CVS

In >50% of Knorr-Bremse's portfolio the underlying technology can be applied to both divisions

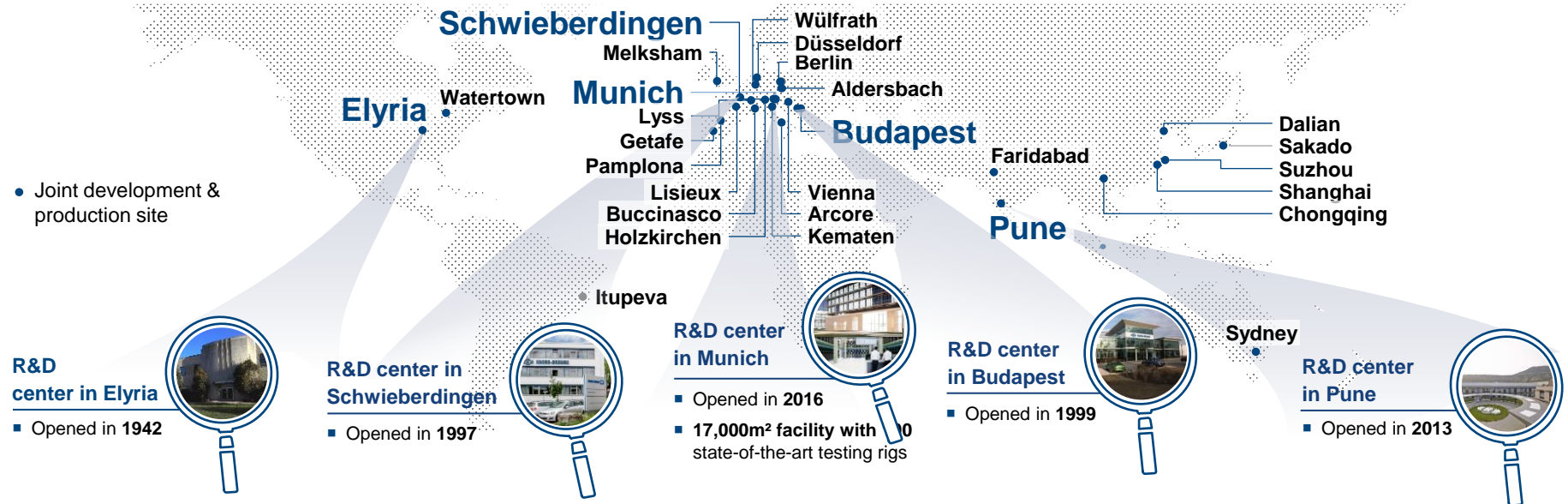
...resulting in synergies and cross-proliferation

Cross-divisional R&D examples



Leveraging Knorr-Bremse's synergies & partnerships: centres of excellence as basis for sustained technology leadership

Globally Σ ~3.600 FTE¹⁾

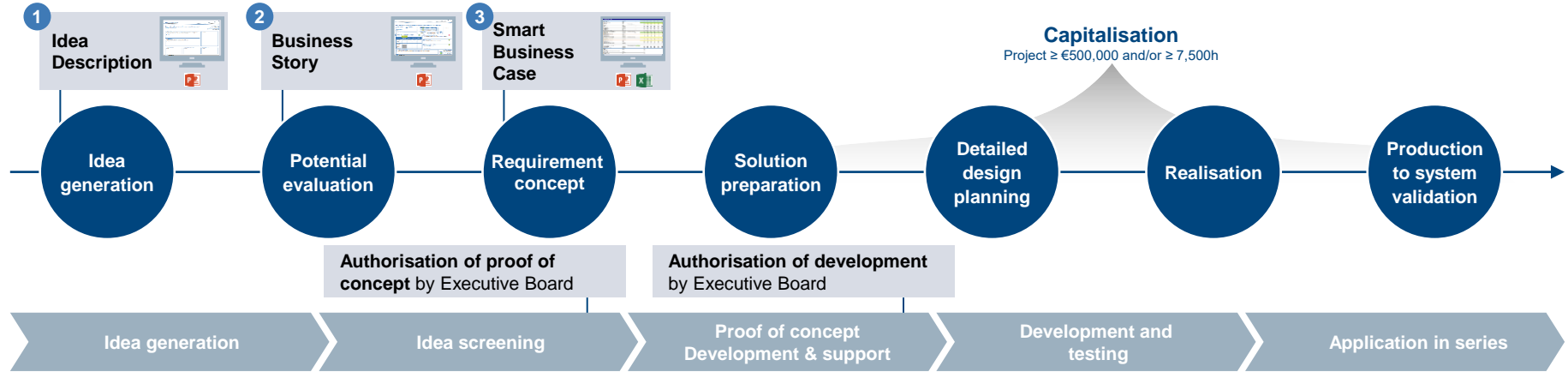


Knorr-Bremse's innovations are supported by a **network of specialized development centres** with joint production and R&D

Notes: 1) FTE refers to number of employees in R&D function (includes engineers, technicians, merchants) EOP 2019, TCI allocated to Asia

Knorr-Bremse deploys structured and effective processes to drive innovation results

Knorr-Bremse R&D process



Knorr-Bremse's innovations are designed for clear customer impact...

- 💰 Optimisation of TCO¹⁾
- 🔧 Reduction of energy consumption, noise, weight
- 🔒 Safety & reliability
- 🌐 Connectivity, wireless solutions, ethernet
- 🔧 Adaption to regulation

...and maximum economic benefit for Knorr-Bremse

- 📈 All projects assessed based on NPV²⁾
- 📊 Prioritisation of projects according to IRR³⁾
- 🕒 Optimise time-to-market
- 💰 Short payback time of investment
- ✅ Ability to leverage innovation across customer portfolio

Notes: 1) TCO refers to total cost of ownership; 2) NPV refers to net present value; 3) IRR refers to internal rate of return

Close co-operation with customers & strategic partners

Government partnerships

- Shift2Rail: EU supported initiative amongst suppliers and OEMs to jointly develop an efficient transportation system
- VDA¹⁾ participation in ~20 committees
- ✓ Design of norms/standards
- ✓ Early anticipation of industry trends
- ✓ Grants/subsidies



Partnerships with Universities

- Research cooperations
- ✓ Access to future talent
- ✓ Scouting of new technologies at minimal cost



VC partnerships with Start-ups

- Partnerships with accelerators
- Investment in start-ups
- ✓ Technology access
- ✓ R&D acceleration



Acceleration of
PRODUCT INNOVATION
in digital age requires
DIVERSE PARTNERSHIPS
to outperform competitors

JVS with OEMs / technology partners

- 18 joint ventures globally
- Joining complementary competences to extend product and service lines, and capacities
- ✓ IP protection
- ✓ Local presence
- ✓ Flexible solutions for customers



🌐 Countries Knorr-Bremse is present

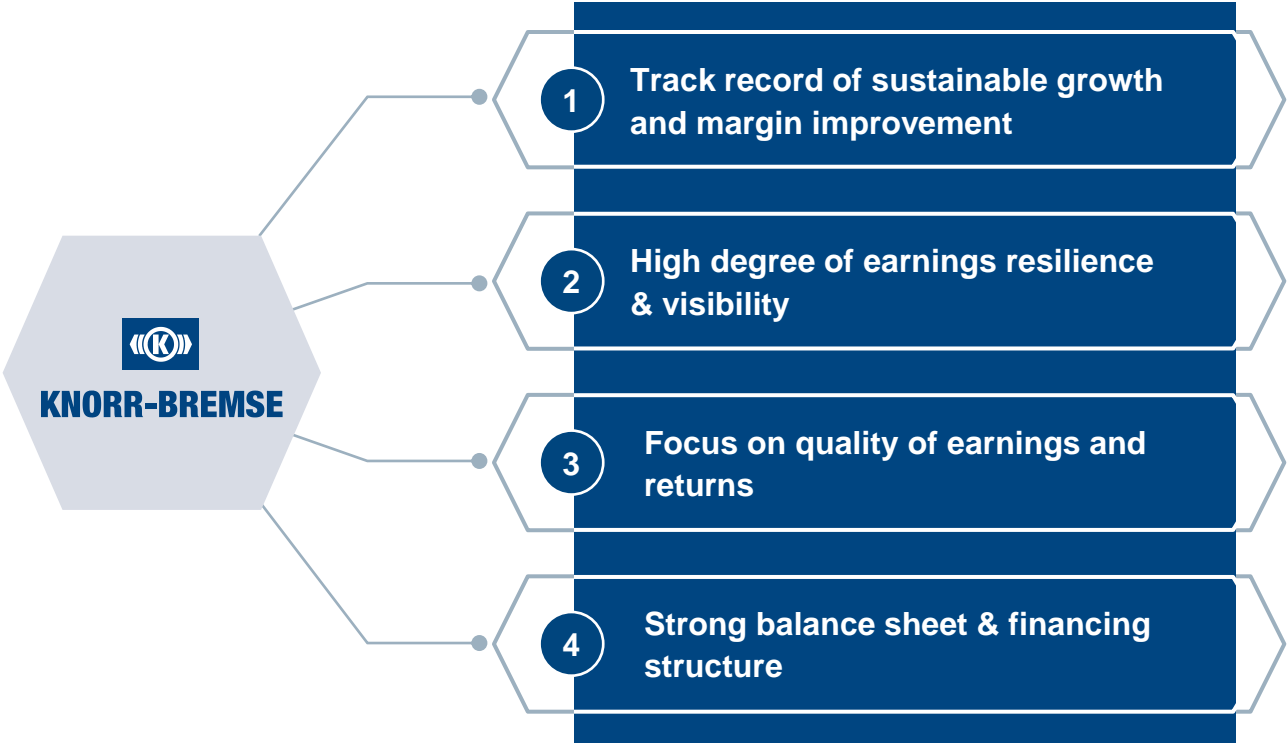
Notes: 1) VDA - Verband der Automobilindustrie (German Association of the Automotive Industry)

Agenda





- Introduction
- Key Company Highlights
- Rail Vehicle Systems (RVS)
- Commercial Vehicle Systems (CVS)
- R&D Focus
- **Financials**
- Sustainability
- Capital Markets Summary
- Appendix



Review of Knorr-Bremse financial profile



Strong financials prove KB's remarkable business model

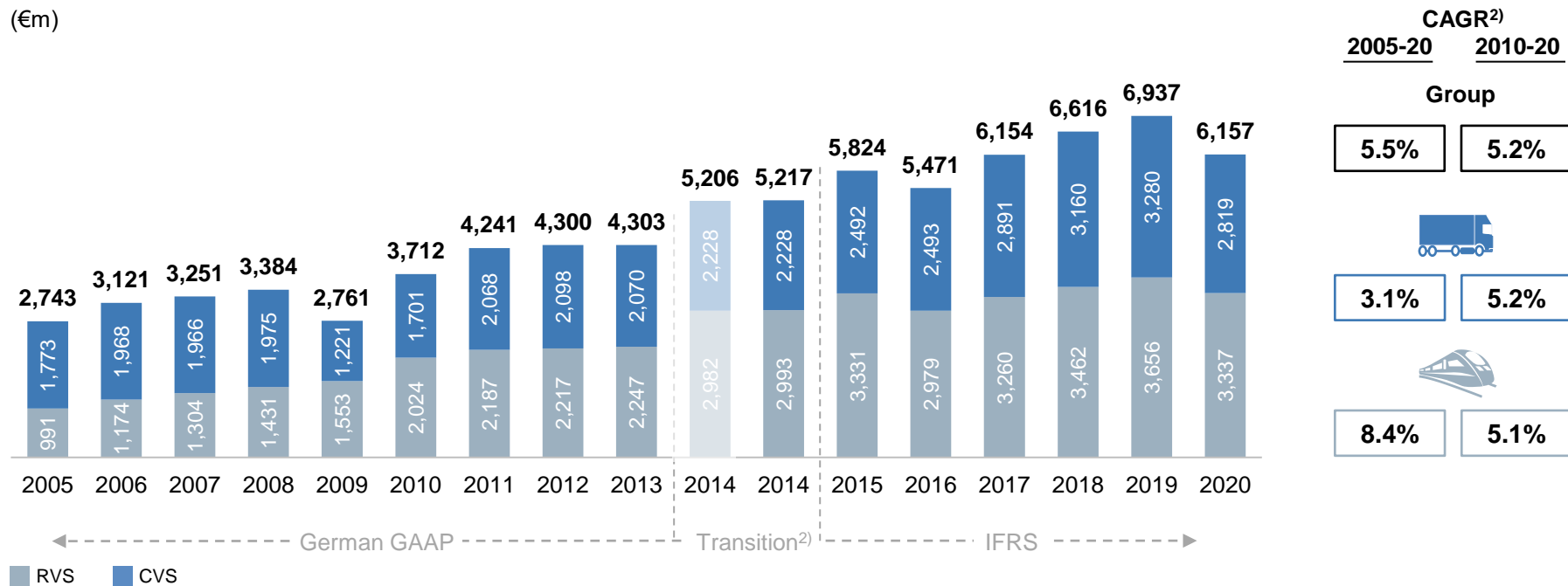
Track record of organic growth market outperformance	~5% sales CAGR (2010–2020) ¹⁾ plus selective, value-added M&A	>	
Strong profitability & cash flow vs. peers	Sustainable EBITDA margin range of ~18–20% (2014–2020) ²⁾	>	
	Sustainable cash conversion range of ~80–90% (2014–2019) ²⁾ , ~ 129% in 2020 ³⁾		
Consistent high return on capital	ROCE range of ~26–53 % (2014–2020) ²⁾	>	
Proven resilience through the cycle	Aftermarket exposure of ~30–37% of sales (2014–2020)	>	
	Well-balanced regional and divisional sales mix		



Notes: 1) Based on financial statements prepared in accordance with German GAAP (HGB); Group net sales including BilRUG without acquisitions for RVS and CVS; 2) Based on financial statements prepared in accordance with IFRS; 3) Significant cash preservation measures during COVID-19 crisis lead to strong CCR, which is not sustainable

Track record of strong and sustainable top-line growth ...

Historical sales¹⁾²⁾ by division

(€m)

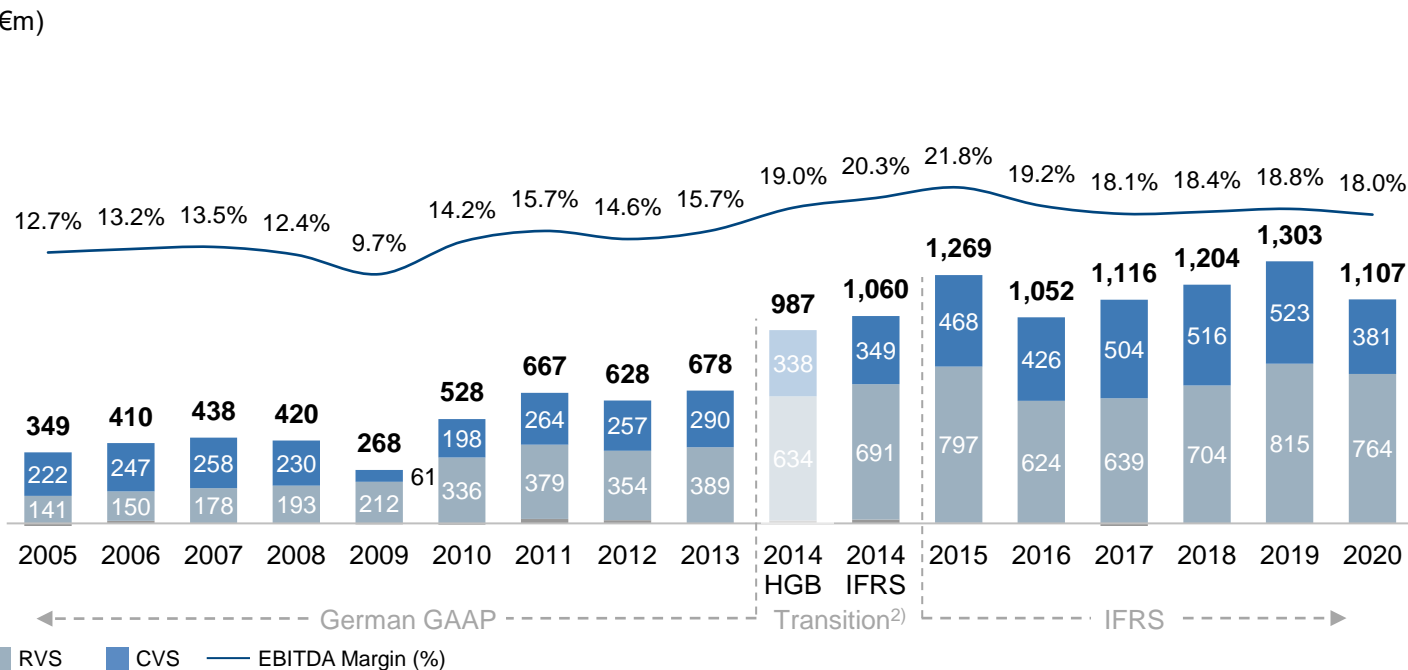


CAGR ²⁾	
2005-20	2010-20
Group	
5.5%	5.2%
	
3.1%	5.2%
	
8.4%	5.1%

... combined with disproportionate EBITDA growth

Historical EBITDA¹⁾²⁾ profitability

(€m)



CAGR²⁾
2005-20 2010-19

Group

8.0%

7.7%



3.7%

6.8%



11.9%

8.6%

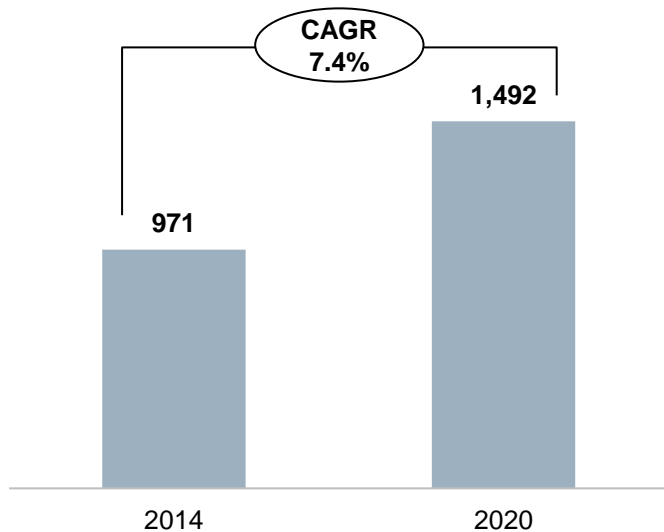
Notes: 1) Divisional historic figures do not add up to group sales excluding consolidations/other; 2) 2014 represents the first year that Knorr-Bremse prepared its financial statements in accordance with IFRS. Prior to 2014, financial statements were only prepared in accordance with German GAAP (HGB). IFRS differs in certain aspects from German GAAP (HGB), and accordingly data presented in accordance with German GAAP (HGB) may not be comparable to data prepared in accordance with IFRS; Source: Knorr-Bremse information

... all supported by solid aftermarket sales growth

RVS – Aftermarket sales¹⁾



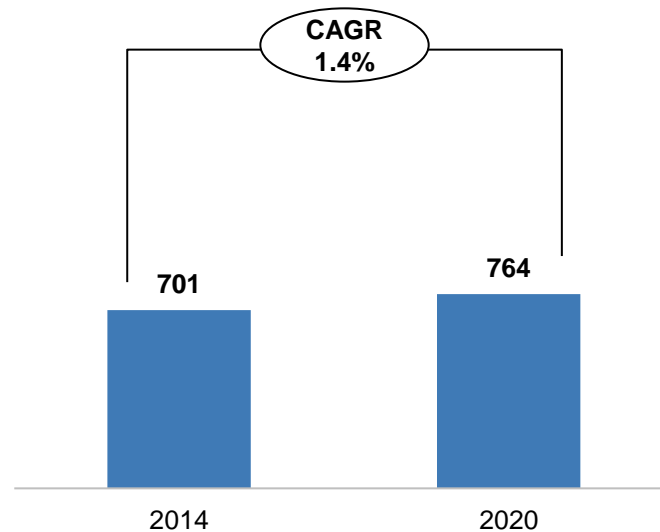
(€m)



CVS – Aftermarket sales¹⁾



(€m)

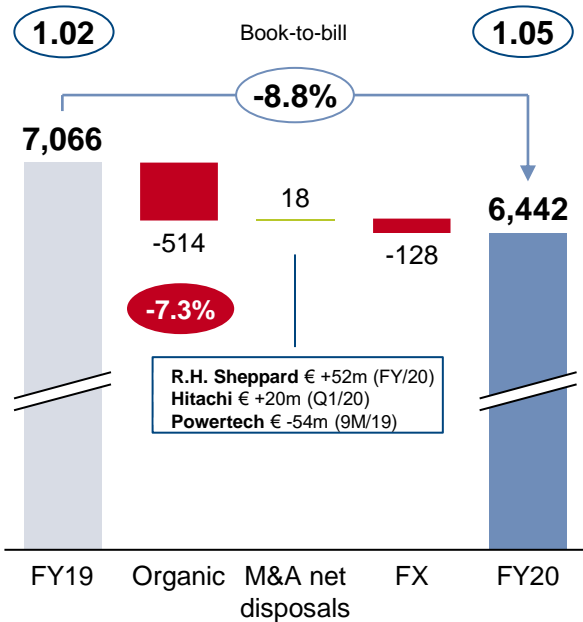


Notes: 1) Based on IFRS; BilRUG sales allocated proportionally between OE and aftermarket

Order Intake for Group, RVS & CVS FY/20

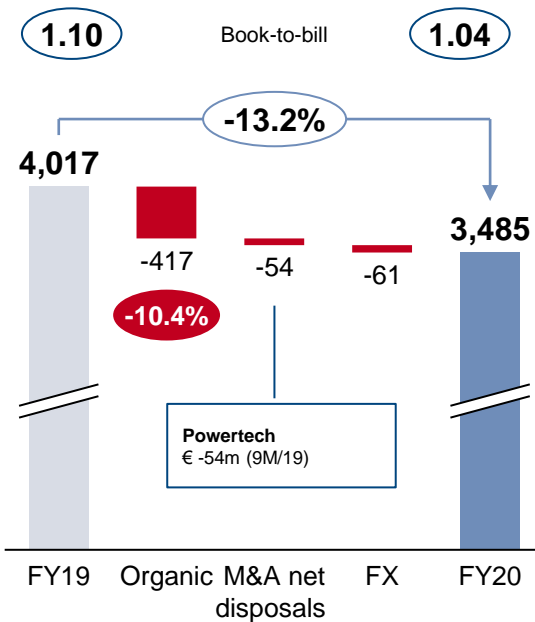
Group

(€m)



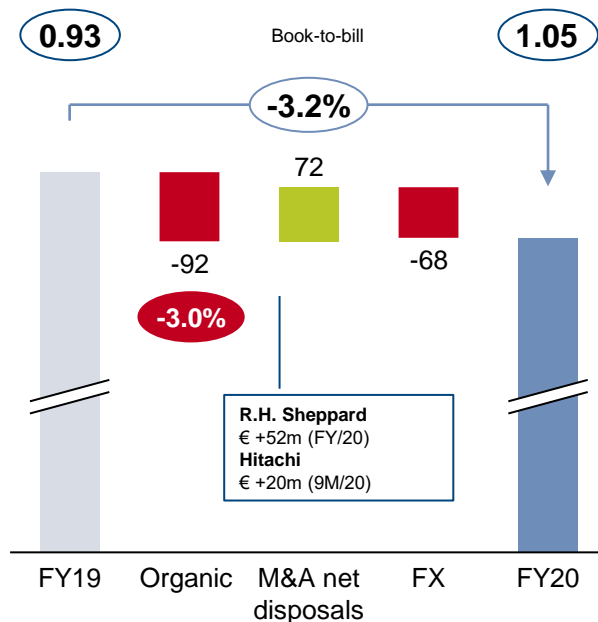
RVS

(€m)



CVS

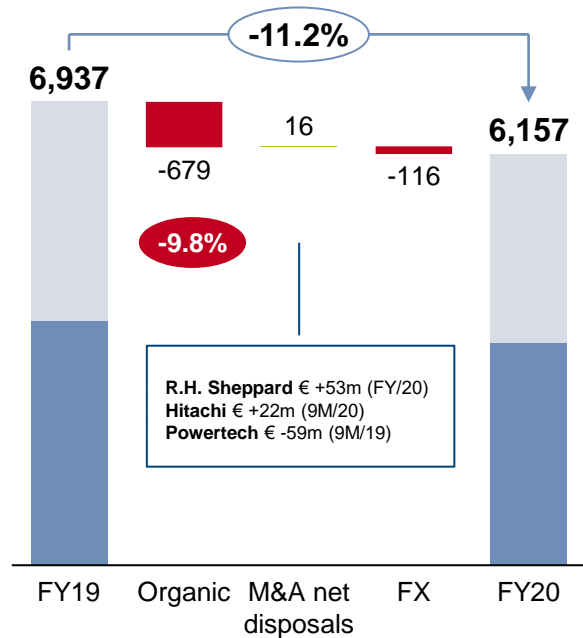
(€m)



Revenue for Group, RVS & CVS FY/20

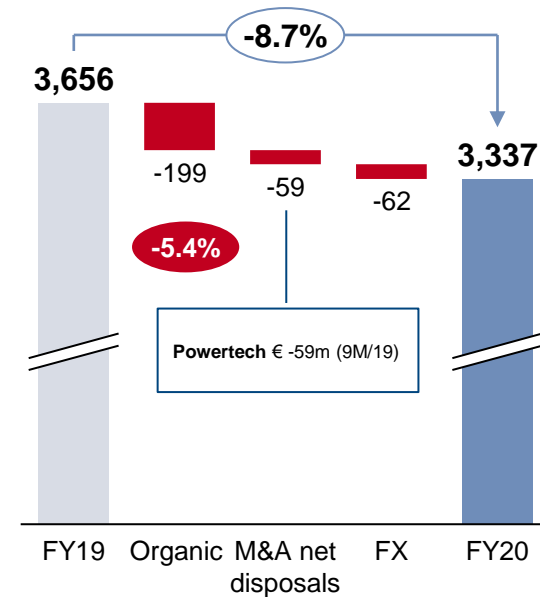
Group

(€m)



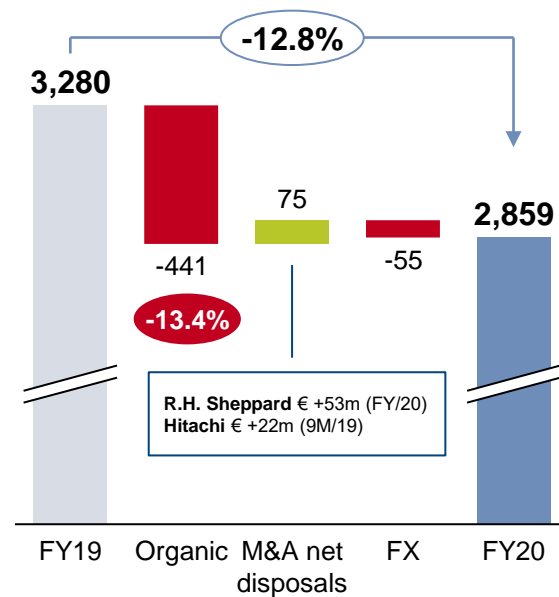
RVS

(€m)



CVS

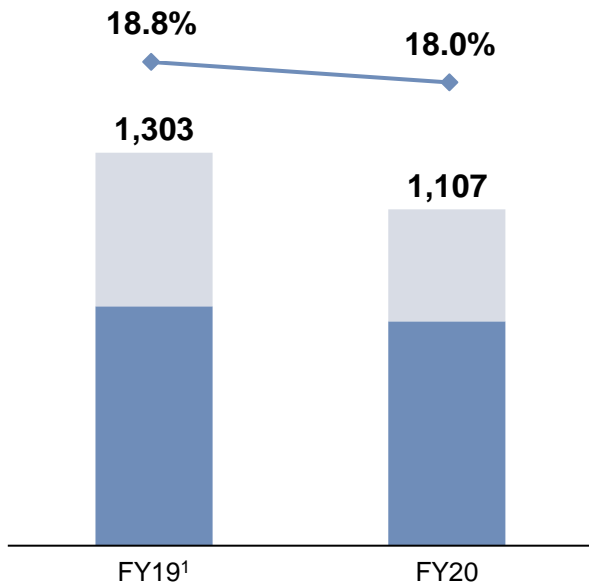
(€m)



EBITDA for Group, RVS & CVS FY/20

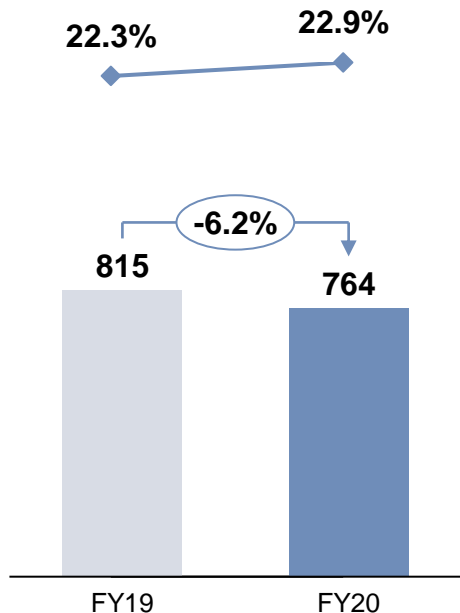
Group

(€m)



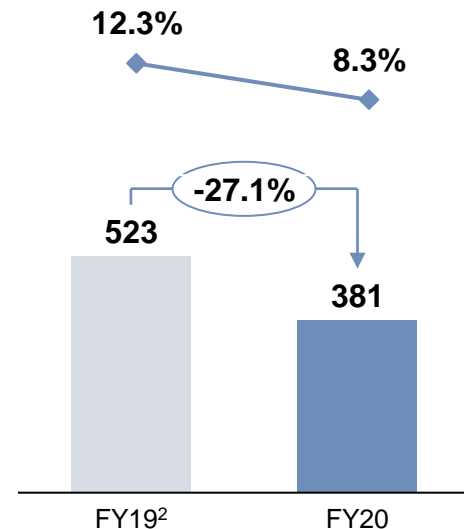
RVS

(€m)



CVS

(€m)



1) Operating | rep.: EBITDA: EUR 1,329m (19.2%)

2) Operating | rep.: EBITDA: EUR 504m (15.4%)

Focus on quality of earnings – a closer look at key P&L items

Key items

€m	2015	2016	2017	2018	2019	2020
Net sales	5,824	5,471	6,154	6,616	6,937	6,157
<i>% growth</i>	11.6%	(6.0%)	12.5%	7.5%	5.4%	-11.2%
Changes in inventory of finished and unfinished goods	(7)	(11)	39	34	6	(11)
Own work capitalised	19	21	32	48	73	76
Total operating performance	5,836	5,481	6,224	6,698	7,016	6,222
Other operating income	89	83	81	66	117	92
Material expenses	(2,747)	(2,571)	(3,010)	(3,318)	(3,429)	(2,961)
Personnel costs ¹⁾	(1,272)	(1,272)	(1,439)	(1,497)	(1,594)	(1,526)
Other operating expenses	(636)	(669)	(741)	(771)	(782)	(720)
EBITDA	1,269	1,052	1,116	1,178	1,329²	1,107
<i>Margin, %</i>	21.8%	19.2%	18.1%	17.8%	19.2%	18.0%
Depreciation / Amortisation	(170)	(166)	(211)	(206)	(266)	293
EBIT	1,099	886	904	972	1,063²	814
<i>Margin, %</i>	18.9%	16.2%	14.7%	14.7%	15.3%	13.2%
Financial result	(51)	(45)	(52)	(97)	(156)	(63)
EBT	1,048	841	852	876	907	751
<i>Margin, %</i>	18.0%	15.4%	13.9%	13.2%	13.1%	12.2%
Income tax	(337)	(274)	(265)	(246)	(275)	(218)
<i>Effective tax rate</i>	32.2%	32.6%	31.1%	28.1%	30.3%	29.1%
Net income	711	567	587	629	632	532

Notes: Based on financial statements prepared in accordance with IFRS;

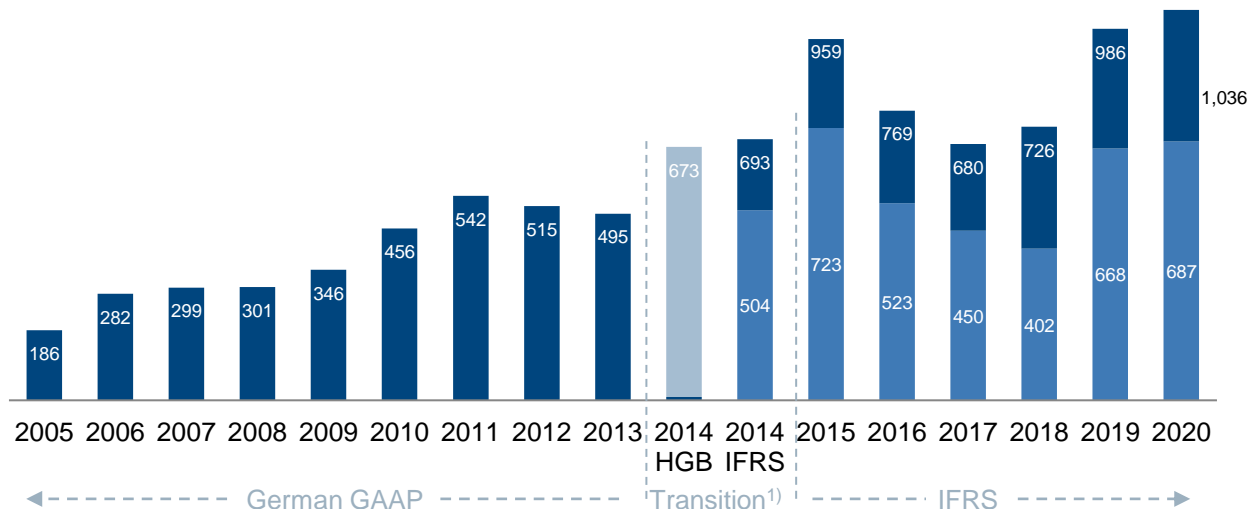
1) Including leased personnel; Source: Knorr-Bremse information 2) Reported figures shown; op. EBITDA € 1,303m (18.8%); op. EBIT: € 1,063m (15.4%)

Knorr-Bremse is a high return and cash generative business

Strong cash generation abilities

(€m)

100%



■ Operating cash flow ■ FCF²⁾ — ROCE³⁾

Notes: 1) 2014 represents the first year that Knorr-Bremse prepared its financial statements in accordance with IFRS. Prior to 2014, financial statements were only prepared in accordance with German GAAP (HGB). IFRS differs in certain aspects from German GAAP (HGB), and accordingly data presented in accordance with German GAAP (HGB) may not be comparable to data prepared in accordance with IFRS; 2) FCF (Free Cash Flow) defined as cash flow from operations minus cash-relevant capex; 3) ROCE defined as EBIT divided by capital employed (Fixed assets + Intangible assets + Net working capital); 5) Asset turnover defined as sales divided by capital employed; Source: Knorr-Bremse information

Key drivers and factors

EBIT margins

FCF generation

Asset turnover

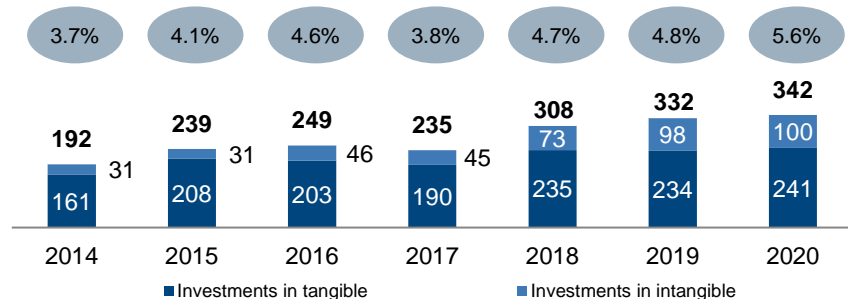


KNORR-BREMSE

Fully invested asset base driving low capex requirements

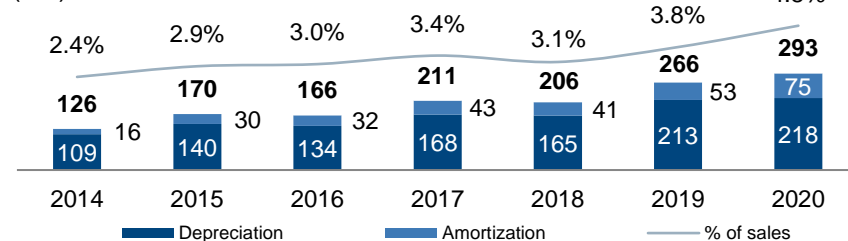
Capex¹⁾

(€m)



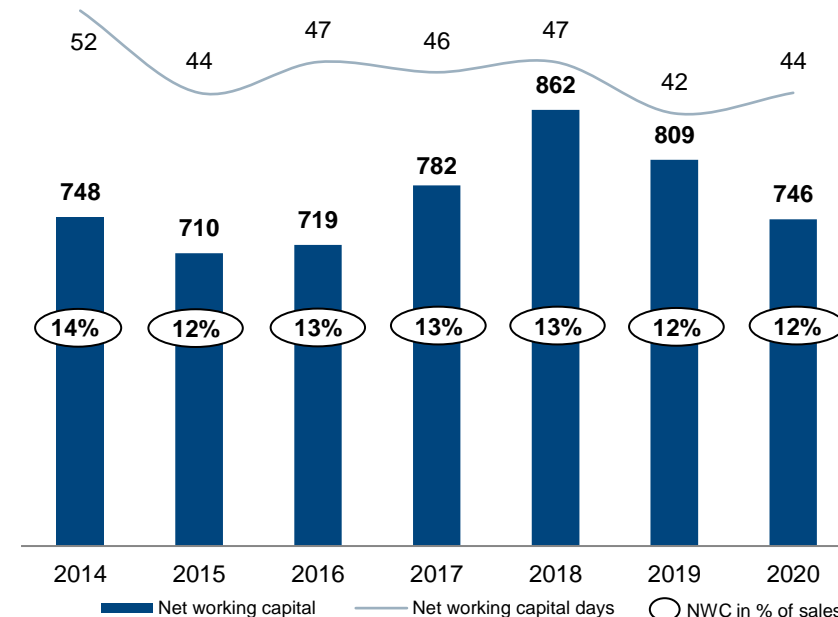
D&A

(€m)



Net working capital²⁾

(€m)

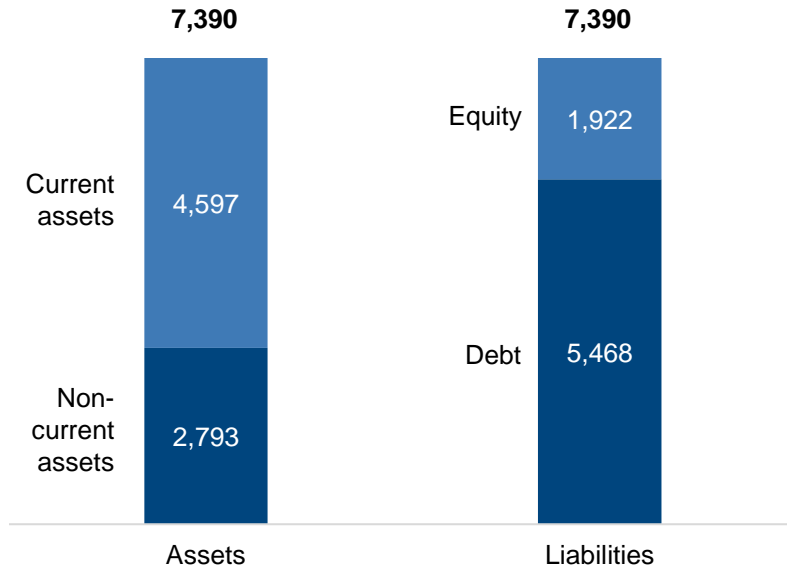


Notes: Based on financial statements prepared in accordance with IFRS; 1) As per asset register, defined as investments in fixed and intangible assets incl. finance leasing; 2) Net working capital defined as Inventory + Accounts receivables + Construction contracts with positive balances - Accounts payables - Construction contracts with negative balances - Pre-payments received; 3) Step-ups from key PPA's (Selectron, Powertech, GT & Kiepe Electric); 4) Including €25m from impairment of assets held for sale; Source: Knorr-Bremse information

Healthy capital structure and financial position

Capital structure as of December 31, 2020

(€m)



Solid financial position as of December 31, 2020

- Equity ratio: 26%
- Net cash: €103m
- Cash and cash equivalents: €2,345m



Notes: Based on financial statements prepared in accordance with IFRS

Agenda

- Introduction
- Key Company Highlights
- Rail Vehicle Systems (RVS)
- Commercial Vehicle Systems (CVS)
- R&D Focus
- Financials
- **Sustainability**
- Capital Markets Summary
- Appendix



The basis of our responsibility

Our values

Growing with **Values.**



- Entrepreneurship
- Technological Excellence
- Reliability
- Passion
- Responsibility

UN Global Compact



Commitment to ten basic principles:

- Human rights
- Labor standards
- Environmental protection
- Anti-corruption

CR Policy



- Comprises our understanding of Corporate Responsibility
- Sets down guidelines for our CR focus areas
- Points out the main focus of our efforts to realize social and environmental responsibility

Our CR policy and focus areas

Strategy and management



We aim for **sustainable value creation**. By this we understand achieving long-term economic success while at the same time acting responsibly towards our employees and business partners as well as the environment and society.

We are committed to **sustainable corporate governance** that includes environmental and social aspects in strategic planning, management and corporate processes.

We act and work according to **legal and ethical principles** laid down in our Group-wide Code of Conduct.

Products and partners



We consistently work on developing **innovative products** and solutions that combine a high degree of customer value with a contribution to sustainable development. Safety is always our overriding goal.

We **work closely with our customers and suppliers** to jointly ensure continuous improvement of product quality and minimal undesirable impact on the environment and society.

We take into account and support the activities of our **business partners aimed at improving their environmental and social compatibility**.

Commitment and society



We are involved, as a member of society, in **social issues** and are engaged world-wide as a **good corporate citizen**. We supplement the activities of the charitable organization Knorr-Bremse Global Care e.V. with social projects implemented directly at our production sites (Local Care).

We encourage and support **social involvement on the part of our employees**.

We see ourselves as **partners for the regions** in which we live and work, and we support their long-term development.

Employees and governance



We create an attractive working environment in which the principles of **mutual trust, team-work, diversity and equality of opportunity** as well as fair and respectful treatment of each other are recognized and practiced.

We offer a **safe and healthy working environment** and enable our employees to develop their **own individual potential**.

We conduct an ongoing **dialogue with our managers** on the subject of value-oriented, sustainable corporate governance.

Environment and climate



We accept our **responsibility for ensuring a clean environment and protecting the climate** and operate in compliance with our **HSE Policy** (Healthy, Safety and Environment).

We have set ourselves the goal of handling **resources in a responsible manner**, consistently reducing **CO₂ emissions**, **minimizing** and where possible **avoiding** undesirable **impact** on nature and the environment and actively using opportunities to **protect the environment**.

We are concerned to optimize the **environmental compatibility** of our products across their **entire life-cycle**.

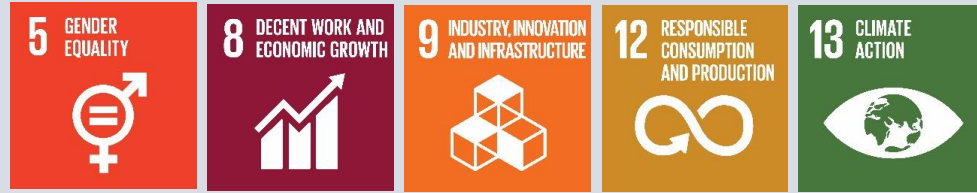
Communication and co-operation



We seek constructive **dialogue with our stakeholders** and provide them with regular and transparent updates on our sustainability activities.

We support social, educational and environmental projects and enter into **partnerships with organizations** that contribute towards sustainable development.

In 2018 Knorr-Bremse selected its Core Sustainable Development Goals (SDGs)



Knorr-Bremse to become carbon neutral from 2021

Carbon neutrality from 2021

- KB renews its climate strategy with even more ambitious targets
- 50% CO₂ emission reduction by 2030
- Additionally: Increasing purchase of renewable energy and carbon offsetting
- Starting point of CO₂ emissions in 2018 at 143,000 tons

Contribution by our products

- Rail is a cornerstone of eco-friendly transport solutions
- Truck products support lower fuel consumption
- ~9% of KB's revenues are driven by remanufactured and recycled products
- Circular economy supported by remanufactured and overhauled products

Focus on 5 SDGs

- In 2018 ~150 top managers of KB committed to 5 core United Nations Sustainability Development Goals
- Sponsorship of Executive Board Members to drive initiatives around the KB world



Knorr-Bremse AG is part of the new **DAX 50 ESG index**



The KB climate strategy 2030 is currently rolled out, governance and control tools are set up



- Reduction measures for 2020
 - Energy efficiency
 - Own production
 - Green power supply
 - Compensation
- Governance for the implementation
 - House of Climate Initiative Group
- Implementation Control
 - Integration with existing financial controlling process
 - Steering of the target achievement via to be defined sub-targets



Knorr-Bremse takes active part in corporate memberships throughout the world

United Nations Global Compact (participation since 2010)



APTA - American Public Transportation Association, USA



UNIFE - Sustainable Transport Committee of the Union des Industries Ferroviaires Européennes, BEL



AAR - Association of American Railroads, USA



Verband der Automobilindustrie

VDA - Verband der Automobilindustrie e. V., GER
Working Groups: Sustainable supply chain & products



AIAG - Automotive Industry Action Group, USA



Railspensible – founding member (sustainable rail supply chain initiative)



MEMA - Motor & Equipment Manufacturers Association, USA



VDB - Fachgruppe Umwelt im Verband der Bahnindustrie e. V., GER



New York and New Jersey Minority Supplier Development Council, USA



APRA - Automotive Parts Remanufacturers Association - Chairman Europe

Achieved CSR ratings and awards

Ratings



A-



50



A



19.0



C+

Awards



Top employer 5th time in a row



Supplier Sustainability Award 2014



Industrial Sustainability Supplier 2015



Special Price: "Green Award" 2018

Our 9 material (non-financial) corporate responsibility areas

Evaluation of non-financial facts was carried out in the workshop on the basis of qualitative considerations regarding the extent of business relevance and its impact (2018)

Anti-corruption and fair competition	Product and system safety	Ecological product design
Energy and CO ₂ emissions	Personnel development	Sustainability standards in the supply chain
Employment conditions	Occupational safety and health protection	Diversity and equality

Agenda

- Introduction
- Key Company Highlights
- Rail Vehicle Systems (RVS)
- Commercial Vehicle Systems (CVS)
- R&D Focus
- Financials
- Sustainability
- **Capital Markets Summary**
- Appendix

Share data

Share data

Type of share	Bearer shares with no-par value
Bloomberg ticker	KBX
Reuters ticker	KBX.DE
German security identification number (WKN)	KBX100
ISIN	DE000KBX1006
Shares outstanding as at December 31, 2018	161.200.000

Bond Data

The Corporate Bonds of Knorr-Bremse AG

Security Identification Number	A2LQP5
International Securities Identification Number	XS1837288494
Issuer	Knorr-Bremse AG
Issuer ratings	A2/outlook stable (Moody's), A/outlook stable (Standard & Poor's)
Volume	EUR 750 million
Term	7 years
Settlement	June 14, 2018
Maturity	June 13, 2025
Coupon	1.125% p. a.
Reoffer spread	1.188% p. a.
Listing	EURO MTF Luxembourg
Denomination	EUR 1,000
Applicable law	German law

Security Identification Number	A2DARP
International Securities Identification Number	XS1531060025
Issuer	Knorr-Bremse AG
Issuer ratings	A2/outlook stable (Moody's), A/outlook stable (Standard & Poor's)
Volume	EUR 500 million
Term	5 years
Settlement	December 6, 2016
Maturity	December 8, 2021
Coupon	0.5% p. a.
Reoffer spread	0.571% p. a.
Listing	EURO MTF Luxembourg
Denomination	EUR 1,000
Applicable law	German law

Strong current rating: S&P (A) and Moody's (A2)

Agenda

- Introduction
- Key Company Highlights
- Rail Vehicle Systems (RVS)
- Commercial Vehicle Systems (CVS)
- R&D Focus
- Financials
- Sustainability
- Capital Markets Summary
- **Appendix**

Glossary (1/2)

%	Percentage	CF	Cash flow	ELC	Electronic leveling control
ABS	Anti-lock brake system	CFO	Chief Financial Officer	EOP	End of period
ACC	Adaptive Cruise Control	CKR	Czech Koruna	ESP	Electronic stability program
AD	Automated Driving	CNY	Chinese Yuan	EU	Europe, European Union
ADAS	Advanced driver assistance systems	CVS	Commercial Vehicle Systems	EUR	Euro
ADB	Air Disk Brake	D&A	Depreciation & Amortization	FTE	Full-time equivalent
AEBS	Advanced Emergency Braking System	DE	Germany	GAAP	Generally Accepted Accounting Principles
AG	Aktiengesellschaft (German: Stock Corporation)	DoI	Date of Implementation	GBP	British Pound
AM	Aftermarket	e	Expected	GDP	Gross domestic product
BDM	Brake Distance Management	EAC	Electronic Air Control	GSBC	Global Scalable Brake Control
bn	billion	EBIT	Earnings before Interest, Tax	HQ	Headquarters
CAGR	Compound Annual Growth Rate	EBITDA	Earnings before Interest, Tax, Depreciation, Amortization	HSR	High-speed rail
CAPEX	Capital expense	EBS	Electronic brake system	HU	Hungary
CEO	Chief Executive Officer	EGR	Exhaust Gas Reduction	HUF	Hungarian Forint

Glossary (2/2)

HVAC	Heating, ventilation & air conditioning	LDW	Lane Departure Warning	TCO	Total cost of ownership
IAA	International Automobil-Ausstellung (German: International Motor Show)	m	million	TPR	Truck Production Rate
IAM	Independent Aftermarket	M&A	Merger & acquisitions	UIC	International union of railways
iCOM	Intelligent Condition-Oriented Maintenance	OEM, OE	Original equipment manufacturer	US	United States
IFRS	International Financial Reporting Standards	OES	Original equipment service	USD	US Dollars
IN	India	OPEX	Operating expense	WC	Working Capital
IoT	Internet of Things	p.a.	per annum		
IPO	Initial Public Offering	PWM	Private Wealth Management		
JV	Joint venture	R&D	Research & Development		
KB	Knorr-Bremse	ROE	Return on Equity		
KB2020	Knorr-Bremse 2020	ROS	Return on Sales		
KPI	Key Performance Indicator	RVS	Rail Vehicle Systems		
LCC	Life-cycle cost	TCMS	Train Control Management System		

Disclaimer

IMPORTANT NOTICE

This presentation has been prepared for information and background purposes only. It does not constitute or form part of, and should not be construed as, an offer of, a solicitation of an offer to buy, or an invitation to subscribe for, underwrite or otherwise acquire, any securities of Knorr-Bremse AG (the "Company") or any existing or future member of the Knorr-Bremse Group (the "Group"), nor should it or any part of it form the basis of, or be relied on in connection with, any contract to purchase or subscribe for any securities of the Company, any member of the Group or with any other contract or commitment whatsoever. This presentation does not constitute and shall not be construed as a prospectus in whole or in part.

Any assumptions, views or opinions (including statements, projections, forecasts or other forward-looking statements) contained in this presentation represent assumptions, views or opinions of the Company as of the date indicated and are subject to change without notice. The Company disclaims any obligation to update or revise any statements, in particular forward-looking statements, to reflect future events or developments. All information not separately sourced is derived from Company's data and estimates. Information contained in this presentation related to past performance is not an indication of future performance. The information in this presentation is not intended to predict actual results, and no assurances are given with respect thereto.

The information contained in this presentation has not been independently verified, and no representation or warranty, express or implied, is made as to the fairness, accuracy, completeness or correctness of the information contained herein, and no reliance should be placed on it. Neither the Company nor its advisers and any of their respective affiliates, officers, directors, employees, representatives and advisers, connected persons or any other person accepts any liability for any loss howsoever arising (in negligence or otherwise), directly or indirectly, from this presentation or its contents or otherwise arising in connection with this presentation. This shall not, however, restrict or exclude or limit any duty or liability to a person under any applicable law or regulation of any jurisdiction which may not lawfully be disclaimed (including in relation to fraudulent misrepresentation).

Historical financial or operative information contained in this presentation, if not taken or derived from our accounting records or our management reporting or unless otherwise stated, is taken or derived from financial statements prepared in accordance with either IFRS (for the financial years 2014-2019) or German GAAP (HGB) (for the financial years 1989-2019), each as indicated in this presentation, for the respective period. The financial statements prepared in accordance with IFRS may deviate substantially from (segmental or other) information in the financial statements prepared in accordance with German GAAP (HGB) and, thus, may not be fully comparable to such financial statements. Accordingly, such information prepared in accordance with German GAAP (HGB) is not necessarily indicative for the future results of operations, financial position or cash flows for financial statements prepared in accordance with IFRS. All amounts are stated in million euros (€ million) unless otherwise indicated. Rounding differences may occur. This presentation contains certain supplemental financial or operative measures that are not calculated in accordance with IFRS or German GAAP (HGB) and are therefore considered as non-IFRS measures. The Group believes that such non-IFRS measures used, when considered in conjunction with (but not in lieu of) other measures that are computed in accordance with IFRS, enhance the understanding of our business, results of operations, financial position or cash flows. There are, however, material limitations associated with the use of non-IFRS measures including (without limitation) the limitations inherent in the determination of relevant adjustments. The non-IFRS measures used by us may differ from, and not be comparable to, similarly-titled measures used by other companies.

This presentation includes "forward-looking statements." These statements contain the words "anticipate", "believe", "intend", "estimate", "expect" and words of similar meaning. All statements other than statements of historical facts included in this presentation, including, without limitation, those regarding the Company's financial position, business strategy, plans and objectives of management for future operations (including cost savings and productivity improvement plans) are forward-looking statements. By their nature, such forward-looking statements involve known and unknown risks, uncertainties and other important factors that could cause the actual results, performance or achievements of the Company to be materially different from results, performance or achievements expressed or implied by such forward-looking statements. Such forward-looking statements are based on numerous assumptions regarding the Company's present and future business strategies and the market environment in which the Company will operate in the future. These forward-looking statements speak only as of the date of this presentation. Each of the Company, the relevant Group entities and their respective agents, employees and advisers, expressly disclaims any obligation or undertaking to update any forward-looking statements contained herein. You are urged to consider these factors carefully in evaluating the forward-looking statements in this presentation and not to place undue reliance on such statements.

To the extent available, the industry and market data contained in this presentation has come from official or third party sources. Third party industry publications, studies and surveys generally state that the data contained therein have been obtained from sources believed to be reliable, but that there is no guarantee, representation or warranty (either expressly or implied) of the accuracy or completeness of such data or changes to such data following publication thereof. Third party sources explicitly disclaim any liability for any loss or damage, howsoever caused, arising from any errors, omissions or reliance on any information or views contained in their reports. Accordingly, undue reliance should not be placed on any of the industry or market data contained in this presentation