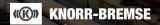


DRIVING

DIGITALIZATION



Agenda

Introduction

- Key Company Highlights
- Rail Vehicle Systems (RVS)
- Commercial Vehicle Systems (CVS)
- R&D Focus
- Financials
- Sustainability
- KB shares/ KB bonds
- Appendix



The Knorr-Bremse leadership team



Marc Llistosella, Member of the Board, CEO

- 2023-present: Knorr-Bremse | CEO
- 2021-present: Vaionic Technologies GmbH| Board Member and investor
- 2019-present: Einride AB| Board Member and investor
- 2008-2018: Daimler Trucks Asia | 2015-2018: President & CEO, Mitsubishi Fuso Truck & Bus Corporation; Head of Daimler Trucks Asia | 2008-2014: Managing Director & CEO, Daimler India Commercial Vehicles



Frank Weber Member of the Board, 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



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

3



Bernd Spies Member of the Board, CVS

- 2022-present: Knorr-Bremse | Head of CVS
- 2014-2022: Knorr-Bremse | Member (2013-2015) and Chairman (since 2014) of the Management Board, CVS
- 2008-2013: Hella KGaA Hueck & Co | Member of the Management Board, Global Sales
- 2006-2008: Robert Bosch GmbH | Head of Commercial Vehicles product division, Starters and Alternators
- Diploma in Electrical Engineering

8



Dr. Nicolas Lange Member of the Board, RVS

- 2023-present: Knorr-Bremse | Head of RVS
- 2017-2023: Knorr-Bremse | Member (2017-2019) and Chairman (since 2019) of the Management Board, RVS 2009-2017: Senior Vice President CoC Bogie Equipment 2006-2009: Head of Development and Testing Brake Mechanics 2000-2006: Team Lead Technology and Development Brake Mechanics
- Doctorate in the field of Transmission Technology

Diploma in Bus. Administration

with Knorr-Bremse since 01/23

Years with Knorr-Bremse 4

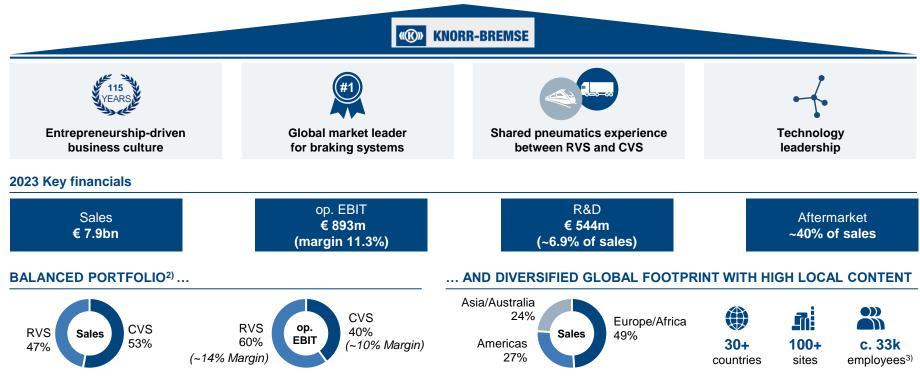
Years with Knorr-Bremse

Years with Knorr-Bremse

Years with Knorr-Bremse

23

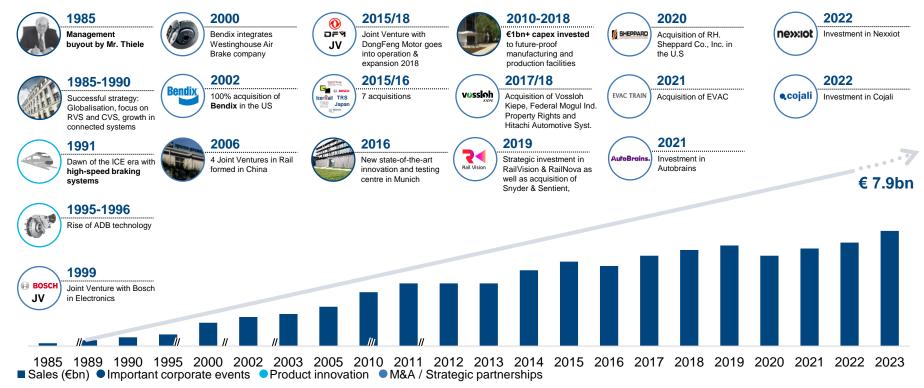
Knorr-Bremse – One of Germany's most successful industrial companies



Notes: Sales, EBITDA, EBITA, 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

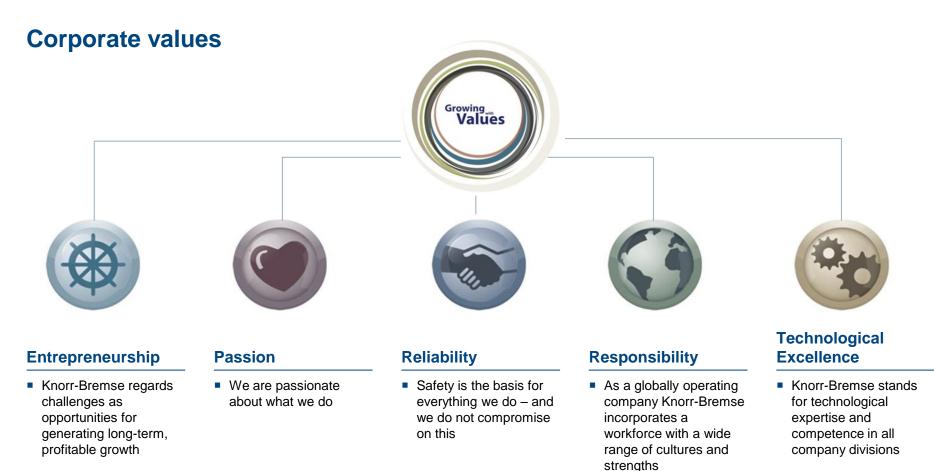


Over 30 years of consistent strong growth



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





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Global market leader in rail and truck



Market leadership

A global market leader

~50% market share¹ in RVS brakes

~23% market share¹ in CVS brakes



Track record of **above industry** growth



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



Sustainability

Our technologies are the foundation for sustainable and safe transportation

Resilience

40% aftermarket share¹ Well-balanced **portfolio Cost-efficient** operations



Focus on **attractive** rail and truck **end markets**

1) In 2023



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

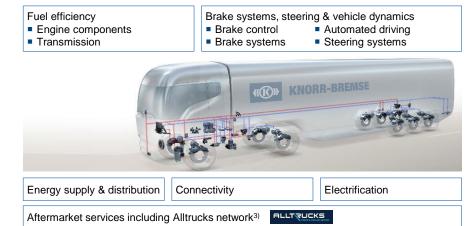
RVS offering (2023: 47% of sales, 60% of EBIT)

Brake systems	Entrance systems	HVAC ¹⁾	RCC ²⁾	Couplers	



Aftermarket business

CVS offering (2023: 53% of sales, 40% of EBIT)



Our customers

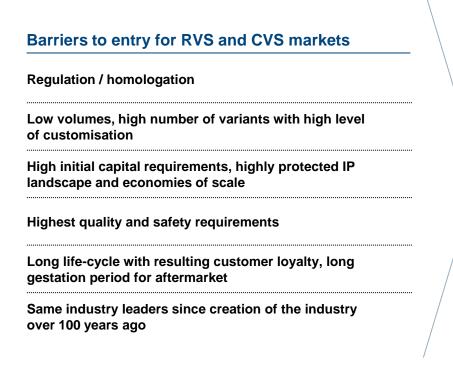
Modernisation and support



Notes: 21) HVAC – Heating, ventilation and air conditioning; 2) RCC – Rail Computing & Communication; 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



Market specifics

S

S S

CVS

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)

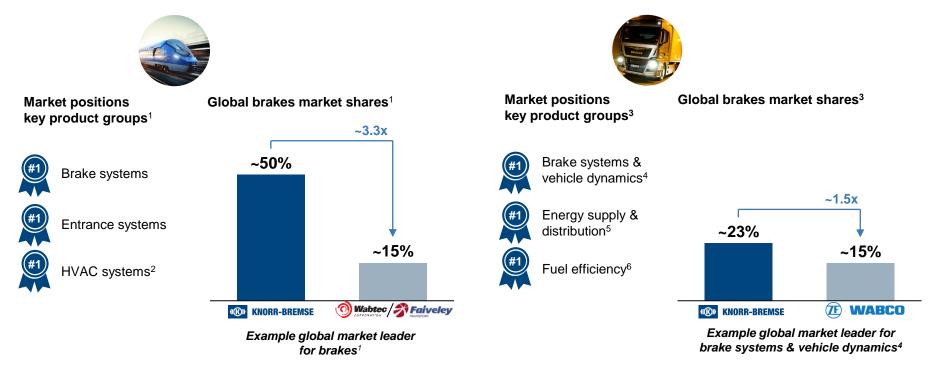
Homologation time typically 4-8 years for recent Knorr-Bremse products

One of only two suppliers able to offer harmonised products globally

Continuously in	easing safety and emission standards
requirements	



KB has maintained and expanded its market leading positions

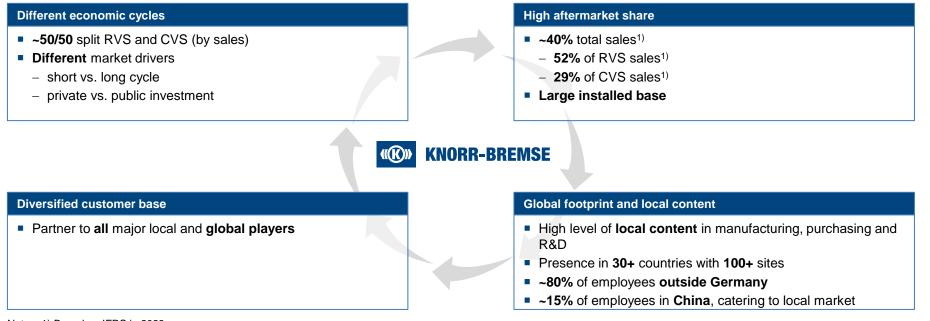


1) 2020 estimates for OE and aftersales without labor; Wabtec includes Faiveley; For competitor, an estimate was used; Market shares rounded to the nearest multiple of 5% 2) Heating Ventilation Air Conditioning 3) For 2020 global addressable Truck, Bus and Trailer OE market, excl. aftermarket 4) Air 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

Strong resilience of growth and profitability

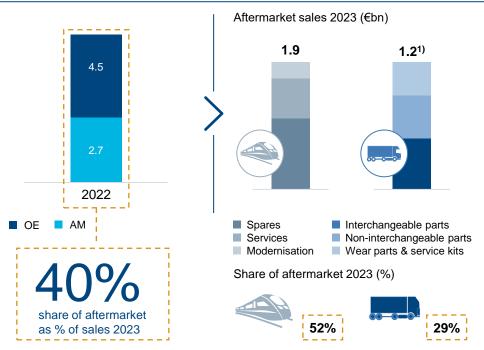


Notes: 1) Based on IFRS in 2023



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

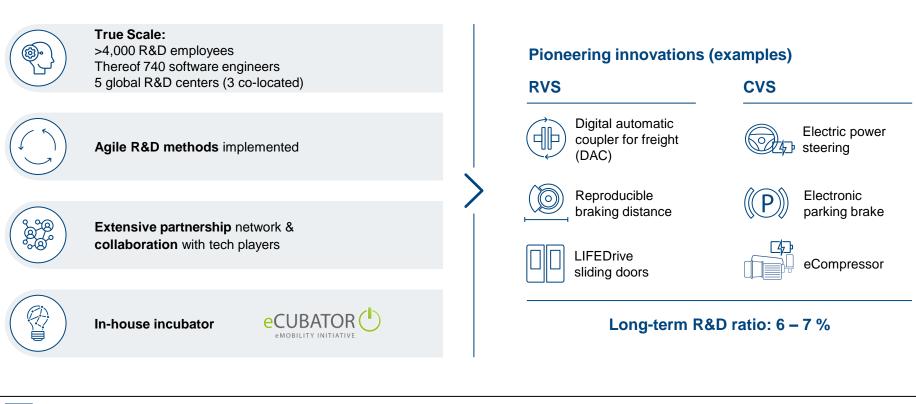
- Serial business (CVS) vs. project business (RVS)
- Different customer group

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



Innovation is the basis of KB's technology leadership and long-term success



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



((6)) ESG and sustainability

((7)) Strong financial performance



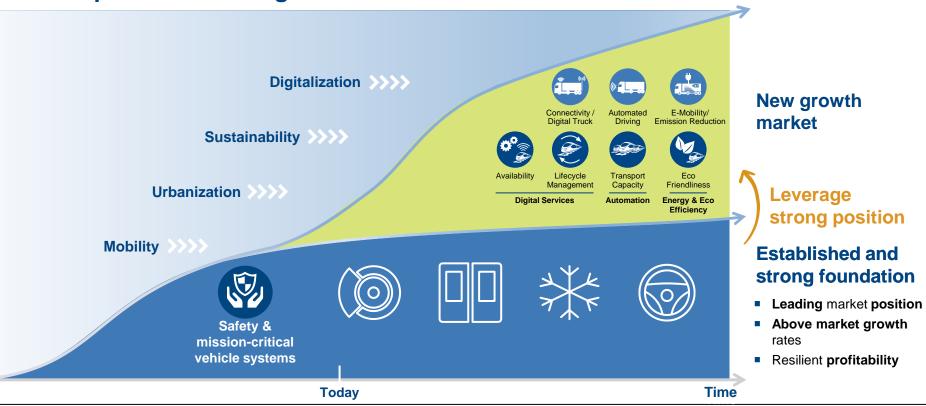




Knorr-Bremse is ideally positioned to shape the trends of the future



Knorr-Bremse will continue to grow its core business further and will also develop new levers of growth



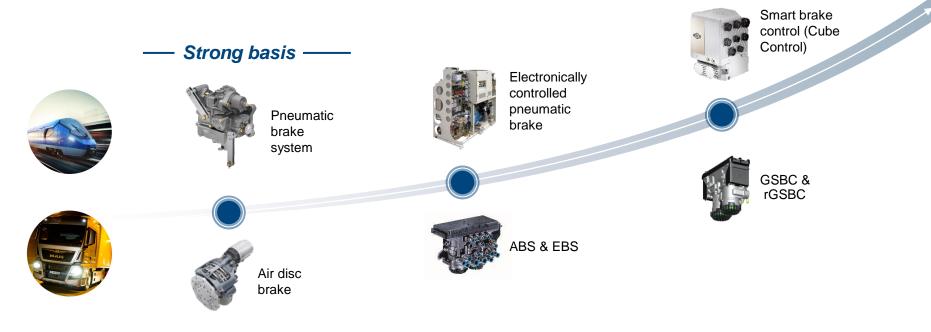


Knorr-Bremse continues to systematically develop its portfolio of mission critical products and digital solutions

Mechanical products

Mechatronic products

Smart & digital products



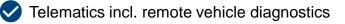
Digitalization empowers KB's growth engine



Capabilities



All-Makes workshop diagnostics



Data analytics & big data







1. Segments include rail freight, maritime freight and rail non-freight & DAC 2. Digitally-enabled revenue by Nexxiot 3. In connected wagons & intermodal containers



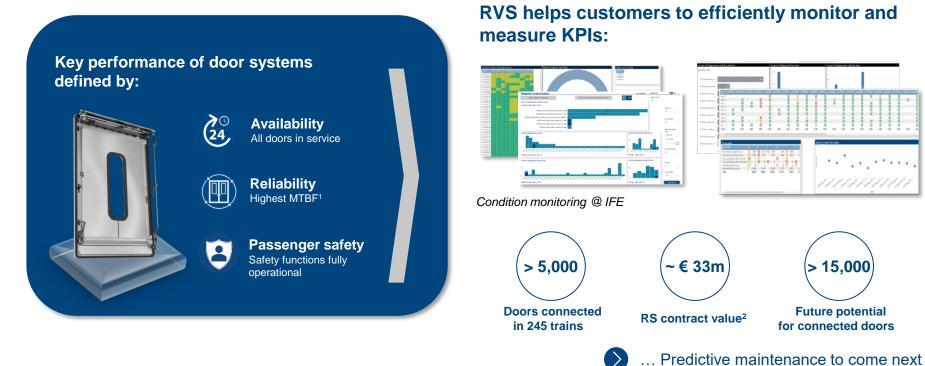
RVS in strong position to tap into digital automatic couplers



1. Current numbers for EU market only, representing potential future market in Europe



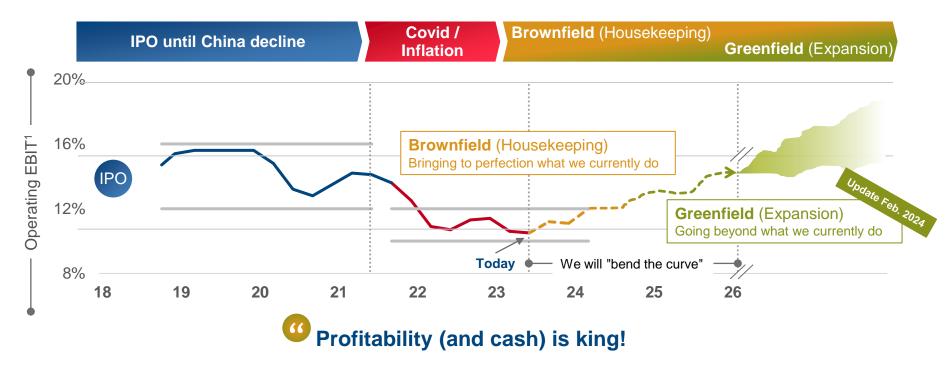
Condition monitoring to become a major source of digital offering



1. MTBF: Mean Time Between Failures 2. Monitoring offered as part of long-term supply agreements (LTSA) only; includes active and ordered volume

We will "bend the curve" to bring KB to the next level

Illustrative



1. Indicative reported EBIT; Note: All figures after today are illustrative only



BOOST¹ program with clear responsibilities to reach the next level



1. Knorr-Bremse Operational Optimization Strategy and Transformation 2. Employer value proposition 😭 Initiative started 😡 😡 Deep dives in the following



Clear vision for 2026: Become strong capital goods company by successfully managing portfolio of robust assets



Targets 2026: Ambitious financial targets to drive value creation

Strong capital goods company



80-90% sustainably

Growth



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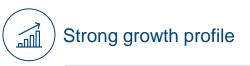


RVS: outperformance and resilience



Market leadership

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



RVS with long track record of outperforming underlying markets



- 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



- Expansion of business through customer-region-product mix
- Strong aftermarket (~50% revenue share)



Outstanding profit margins with track record of margin expansion and disciplined cost management



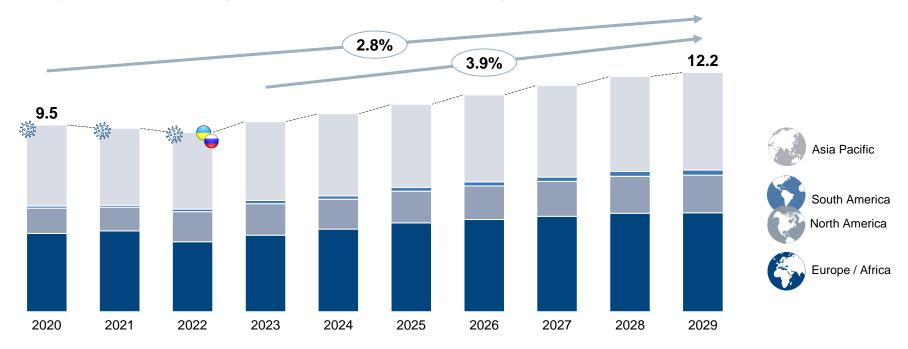
RVS: the leading safety critical systems supplier for rail with a track record of market outperformance



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



Continuous market growth for all regions



Development of relevant sub-systems market volume¹ (OE + AM in €bn)

1) Big Five - Brakes, Doors, HVAC, Power Electrics, RCC; Source: Knorr-Bremse information and internal market research

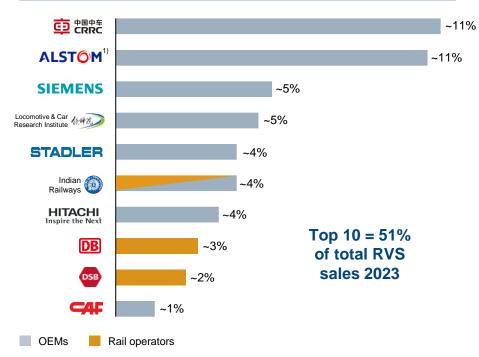






Global Tier-1 partner of choice for OEMs and rail operators in all regions

Top 10 customers 2023 (% of sales)



Other major Knorr-Bremse customers



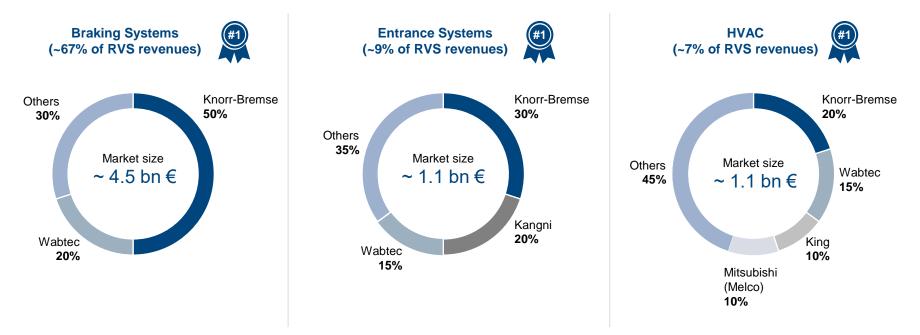
Notes: 2023 sales and customer data based on 31.12.2023; Share of top 10 customers as % RVS sales 2023 may not add up due to rounding; ¹⁾incl. ex-Bombardier, excl. JV

(IN) KNORR-BREMSE



RVS holds global #1 position across key product categories

Global market share 2023¹ (% of revenues)



1) Market share based on deliveries, estimates for OE and AM without labor, rounded to the nearest multiple of 5%; For competitors, a price estimate was used; Note: Based on German GAAP (HGB); Source: Knorr-Bremse information and internal market research

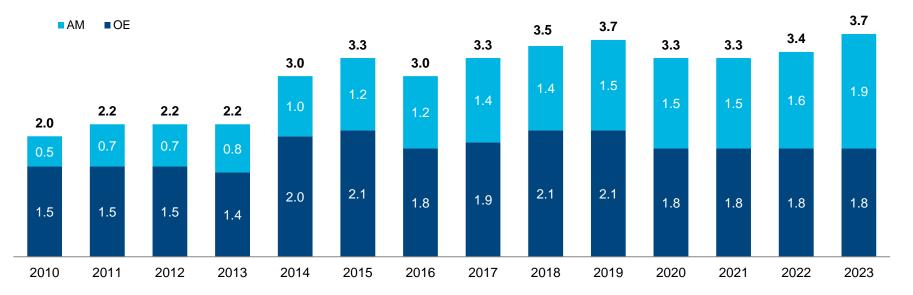


Historic development of OE and AM business



Strong growth both in OE and AM

RVS sales by type (until 2017 German Gaap/HGB, 2018-2020 IFRS, €bn, 2010-2023) ¹)



Note: some figures may not add up due to rounding; 1) BilRUG sales allocated proportionally between OE and aftermarket

KNORR-BREMSE



Aftermarket business will continue to be an important growth engine



) Opportunities



Use installed fleet



Modernization



New service models & digital solutions

·) Challenges

- Competition by OEMs, focussing more on service
- Insourcing and lifecycle costs optimization, incl. stretching overhaul cycles



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



... and long homologation time for each component

Typical time-to-market Major global standards 4 **Development** Certification Standard¹⁾ **Kev regions** (vrs)2) (vrs)2) 7 Unique configurations for vehicle types ŲíÇ \square 3 Brake subsystems PGGOST >100 Safety-critical components * ASSOCIATION OF 3 E) **Multiple** Country- and customer-specific variants AUSTRALASIAN RAILWAY ASSOCIATION 100k active brakes articles to homologate

Market protected by unique level of complexity ...

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

(ICON) KNORR-BREMSE

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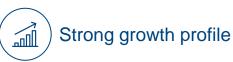


CVS with high-quality business model: outperformance and resilience



Market leadership

A global market leader increasing market share (~23% for brake systems & vehicle dynamics)



Continuously outperforming markets with rising content per vehicle (5% sales CAGR vs. ~2% TPR growth between 2012-2021)



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



Strong aftermarket share (~29% revenue share), cost efficiency, regional diversification as well as track record in strong cost management execution



Technology differentiation, superior products, systems approach, scale advantage and consequent cost management



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

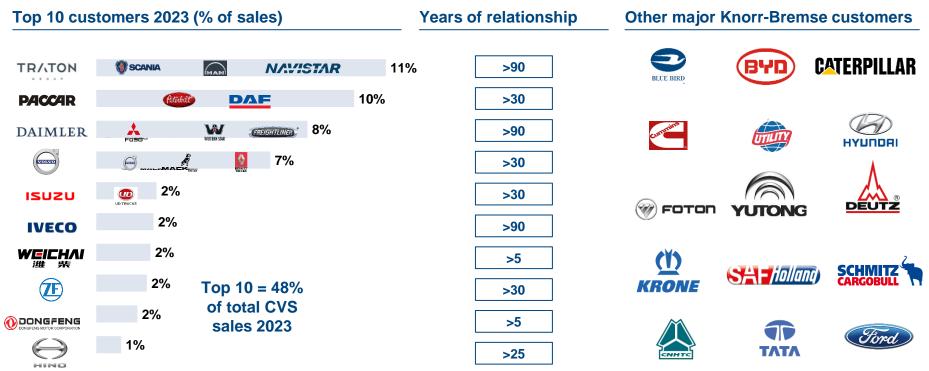


Notes: Sales, EBITDA, EBIT and respective margins based on IFRS; other figures based on German GAAP (HGB) 1) 2020 global addressable Truck, Bus and Trailer OE market,; 2) Total reported CVS sales growth including OE and AM 3) Sales split by region based on IFRS; Other splits based on German GAAP (HGB)



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



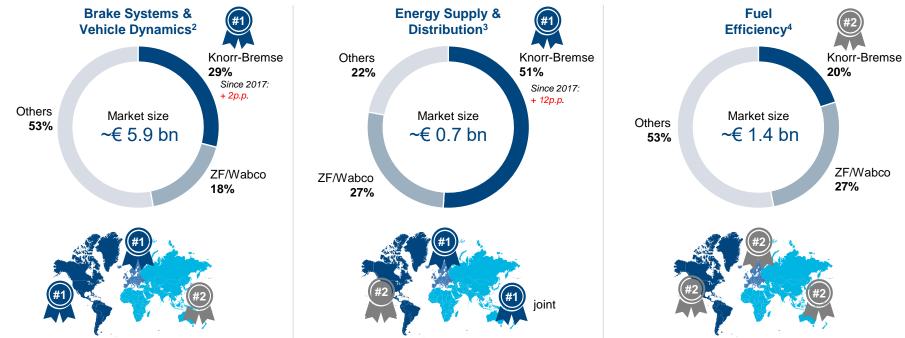


Note: Share of top 10 customers as % CVS sales 2023 may not add up due to rounding



CVS is market leader in all major product fields

Global market share 2023¹ (% of revenues)



1) 2022 estimated addressable Truck, Bus and Trailer OE market, incl. "Brake Systems & Vehicle Dynamics (incl. Automated Driving)", "Energy Supply & Distribution" and "Fuel Efficiency"; excl. aftermarket; Knorr-Bremse data 2) Air Disc Brake, Valves / Pedal Unit, Actuators, Foundation Drum Brake, Steering, ABS, EBS, ESP, DAS, ELC; incl. segment Others 3) Compressors, Air Treatment 4) Vibration Dampers, Engine Air Control, Transmission – Gear and clutch actuation

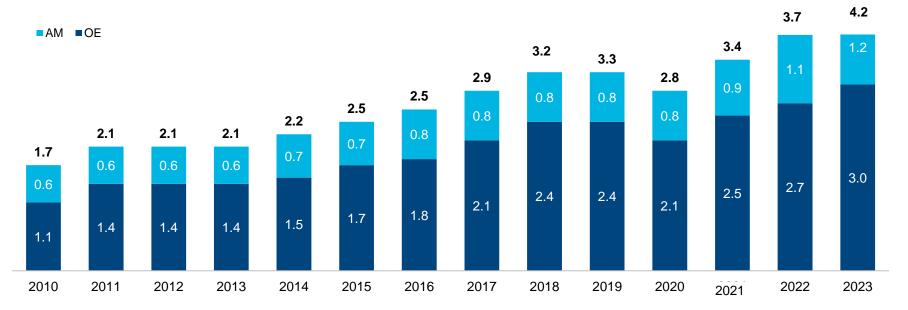




Historic development of OE and AM business

Strong growth both in OE and AM

CVS sales by type (HGB, €bn, 2010-2017)1) 2018-23 IFRS

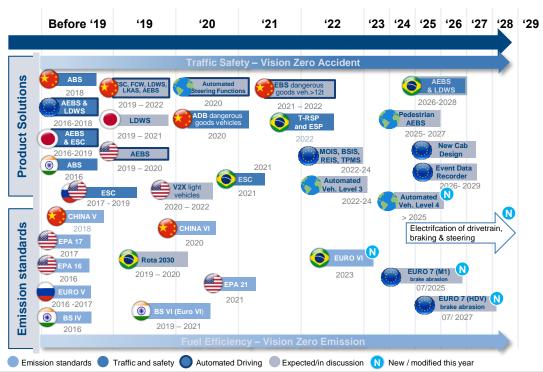


Notes: Some sales split may not add up due to rounding 1) BilRUG sales allocated proportionally between OE and aftermarket; 2) Global Truck and Bus market excluding aftermarket and Trailer; Source: Knorr-Bremse information and internal market research; IHS for truck production rate



Electrification, Brake Emissions and Software

Changes in Regulations as Growth Driver



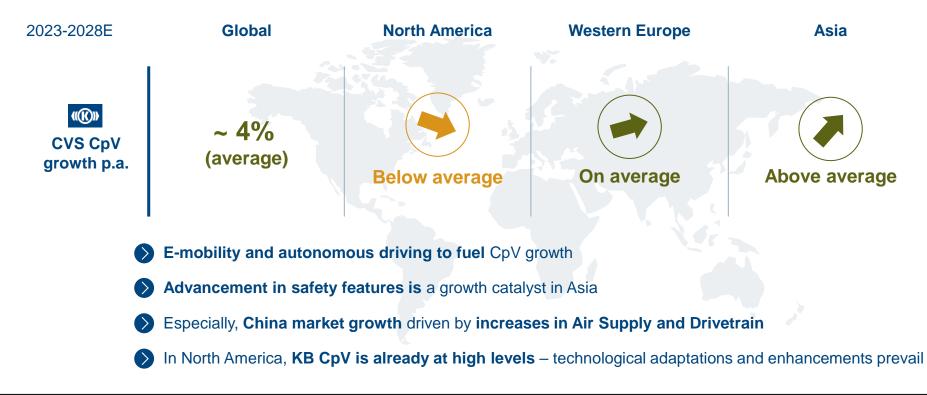






Legislative decisions foster demand for Knorr-Bremse solutions

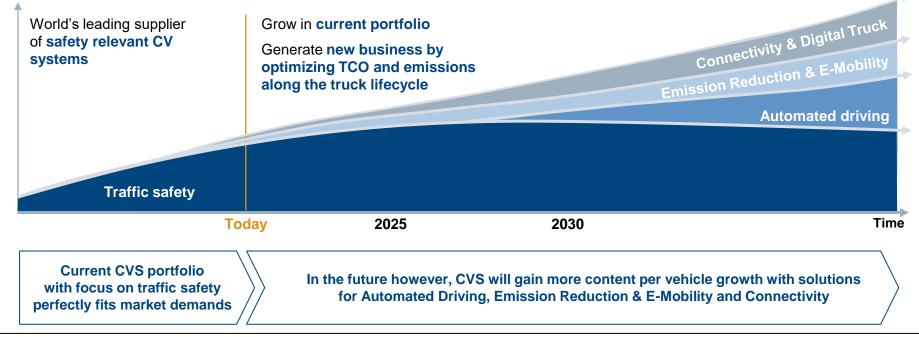
Higher Content per Vehicle (CpV) will fuel CVS's growth in the future



New growth areas for CVS

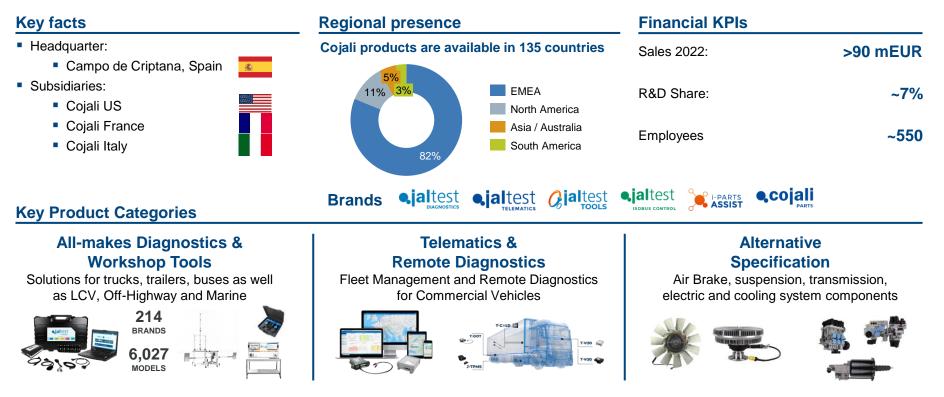
Illustrative growth potential

Growth contribution of industry trends



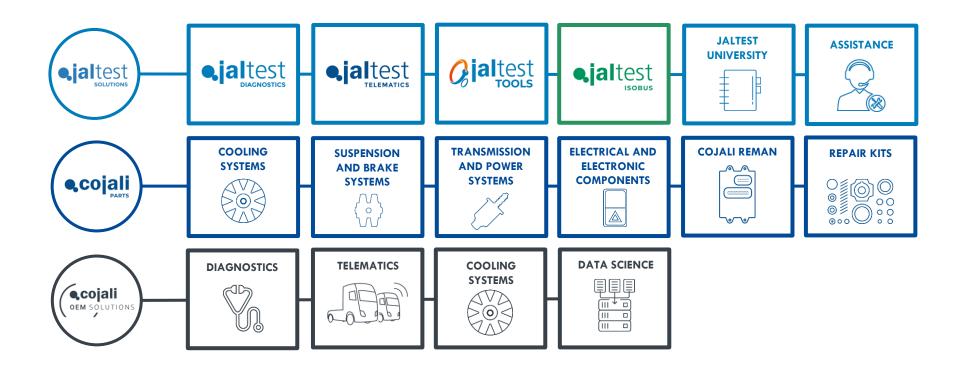
•,cojali

The Cojali Group is a Spanish Diagnostics expert with strong offerings in All-Makes Diagnostics, Remote Diagnostics and Alternative Specification



•,cojali

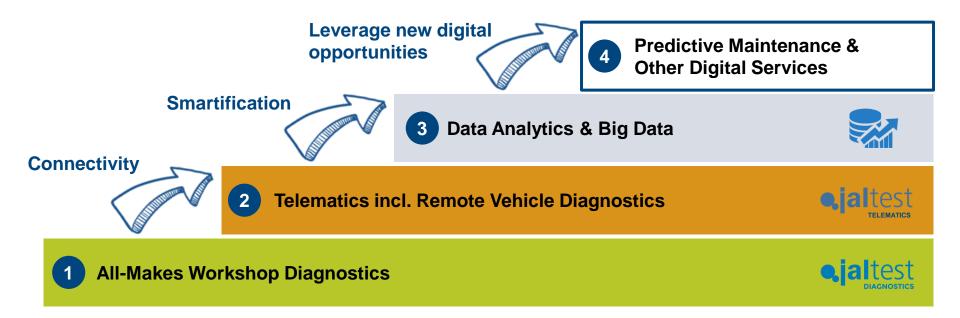
Cojali's product offerings





•,cojali

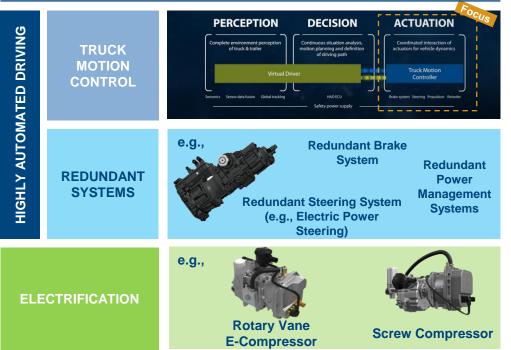
Cojali enables Knorr-Bremse to strengthen its position as system supplier in the global growth market of digital solutions and data-driven services





CVS – fascinating its customer with best-in-class products and setting clear focus areas on leading industry trade shows

Selection of focus areas



IAA Transportation



Automechanika





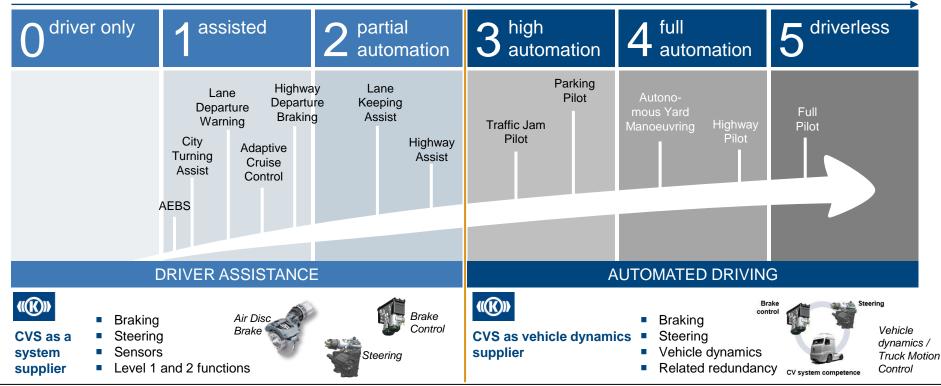
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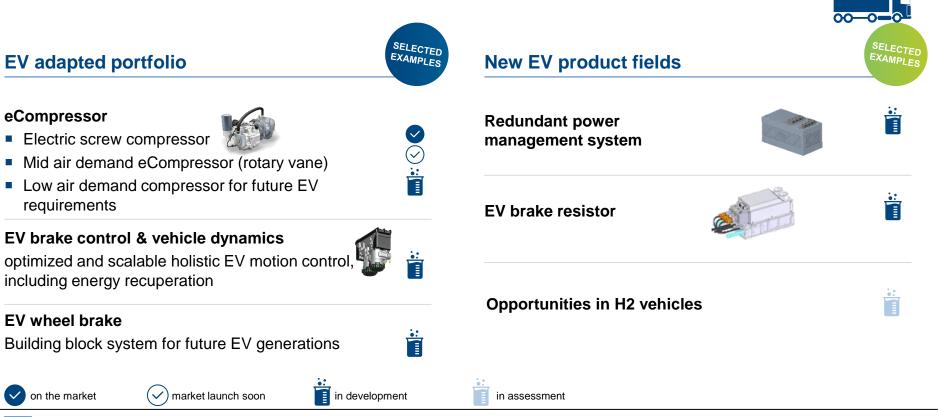
CVS offers both driver assistance and automated driving solutions



degree of automation



CVS is offering a broad product portfolio for electric trucks



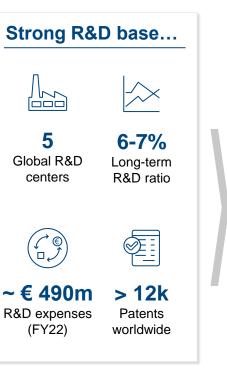
(KNORR-BREMSE

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Focused R&D investments define product roadmap for KB



...to shape product innovation¹...

Roll-over products:

Electric Power Steering

Product upgrades:

Condition monitoring

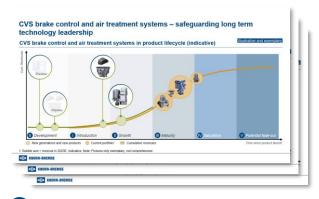
New products:

Digital automatic coupler

Scope increases:

Aftermarket ecosystem

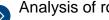
...with effective tracking in place







Rigorous monitoring of S-curves along maturity stages



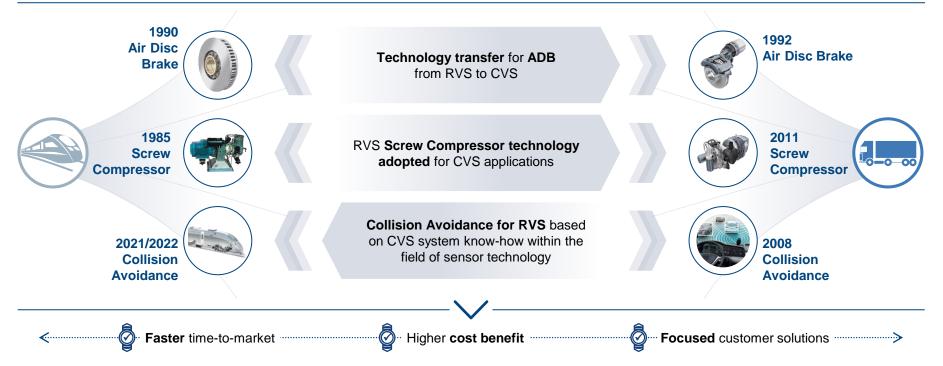
Analysis of roll-over products / substitution and new products

1. Including examples



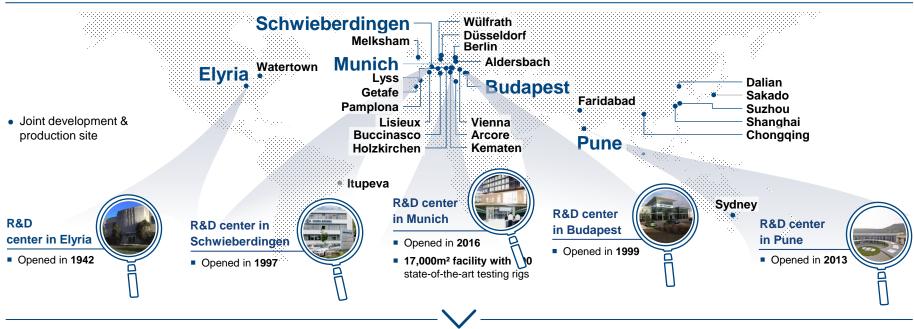
R&D: Synergies and cross-proliferation

Cross-divisional R&D examples



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

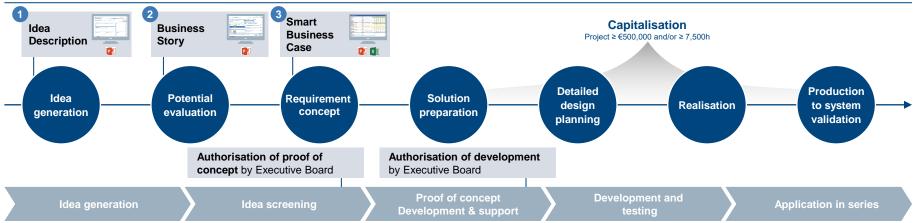
Globally Σ >4,000 FTE



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

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
- Sonnectivity, wireless solutions, ethernet
- Adaption to regulation

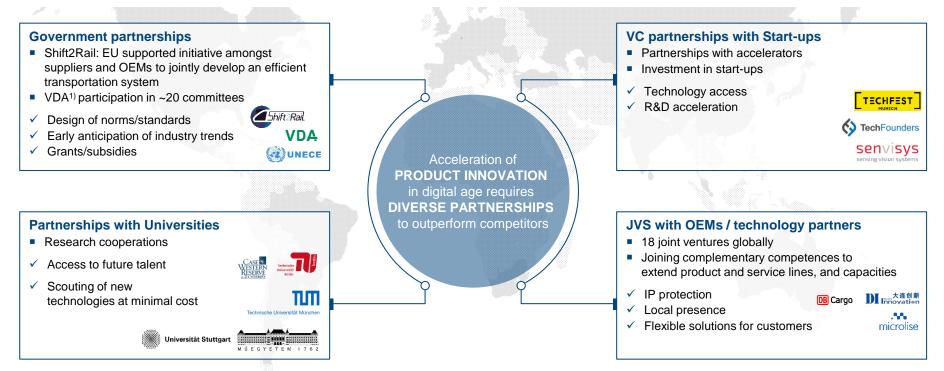
...and maximum economic benefit for Knorr-Bremse

- 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

(KNORR-BREMSE

Close co-operation with customers & strategic partners



Countries Knorr-Bremse is present

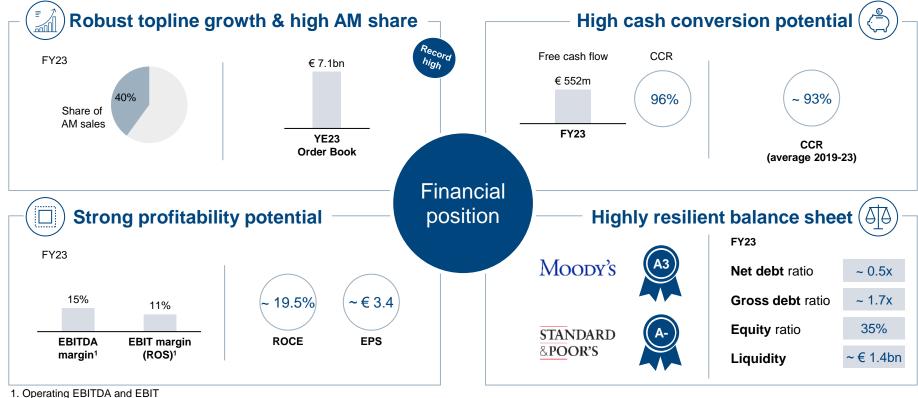
Notes: 1) VDA - Verband der Automobilindustrie (German Association of the Automotive Industry)

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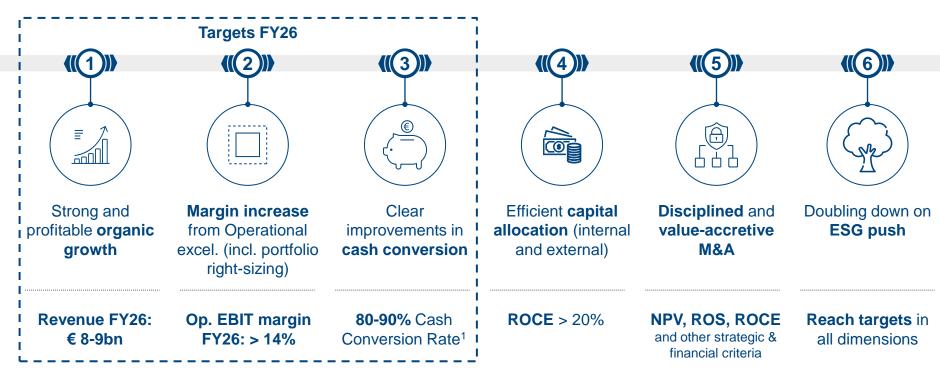


Status Quo | Despite a challenging environment, KB's very solid financials are a strong foundation for the transformation



1. Operating EBITDA and EI

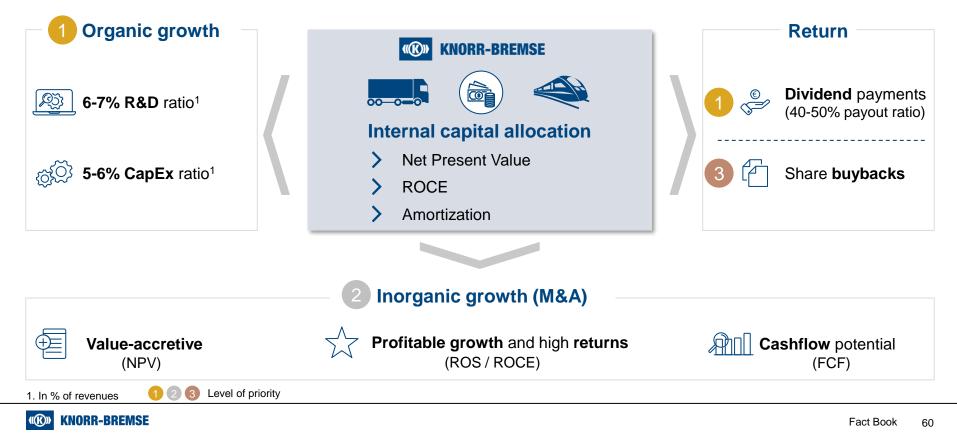
Financial Strategy | KB target picture translates into clear financial targets supporting profitability growth



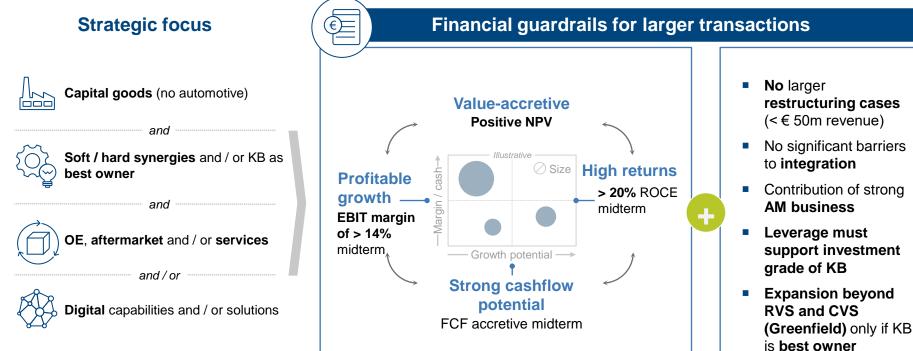
1. CCR: Cash Conversion Rate = FCF / Net Income



Capital Allocation | Our clear priorities 1 - 3 to safeguard efficient capital allocation

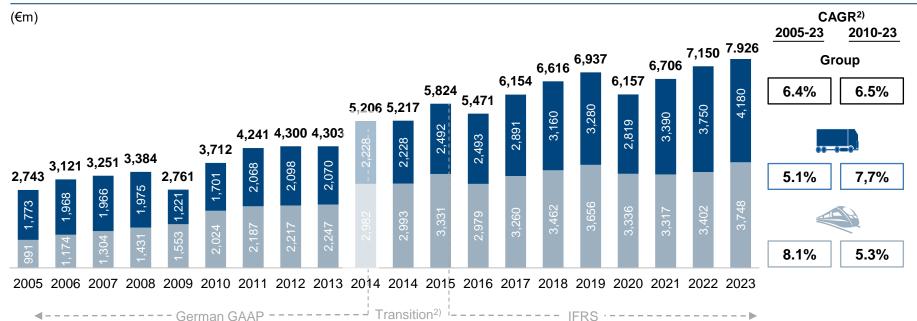


M&A | Disciplined approach based on a holistic set of updated M&A criteria will guide future acquisitions as add-on to organic growth



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

Historical sales¹⁾²⁾ by division



RVS CVS

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



... combined with disproportionate EBITDA growth

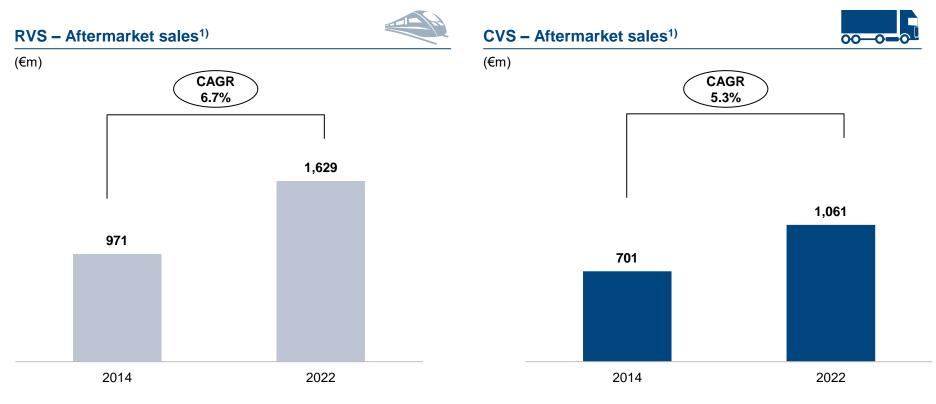
Historical EBITDA¹⁾²⁾ profitability CAGR²⁾ (€m) 2005-23 2010-23 Group 19.0% ^{20.3%} ^{21.8%} 19.2% 18.1% 18.4% 18.8% 18.0% 18.0% 7.6% 7.2% 14.2% ^{15.7%} 14.6% ^{15.7%} 14.6% 15.4% 12.7% 13.2% 13.5% 12.4% 1,052 ^{1,116} ^{1,204} ^{1,303} 9.7% 1,107 ^{1,207} 1,269 1,221 1,060 1,046 987 523 468 381 501 57 5.7% 9.2% 349 426 481 678 667 628 528 438 420 264 290 349 257 198 268 9.7% 6.0% 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 HGB IFRS

RVS CVS — EBITDA Margin (%)

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



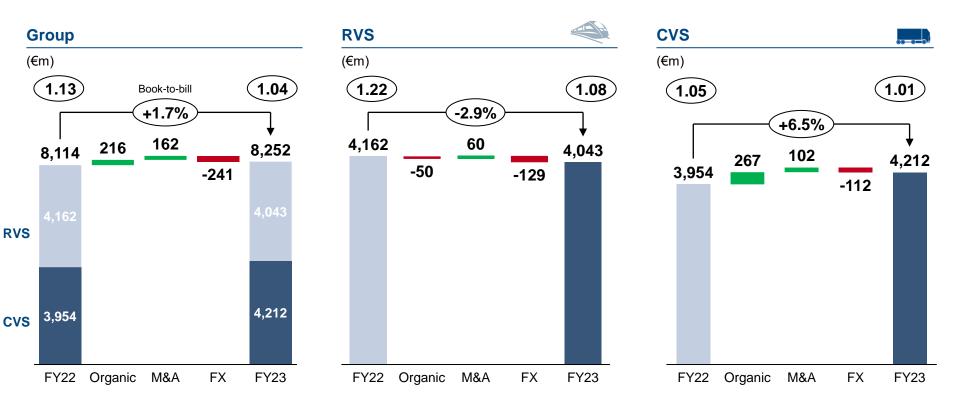
... all supported by solid aftermarket sales growth



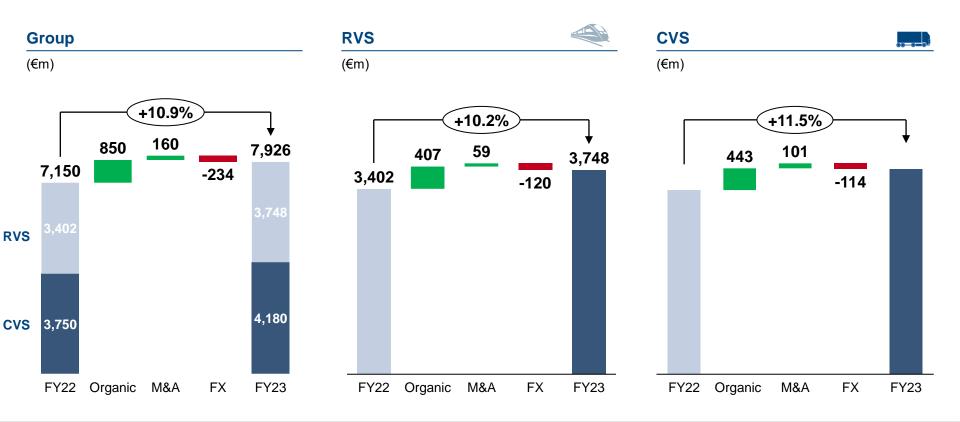
Notes: 1) Based on IFRS; BilRUG sales allocated proportionally between OE and aftermarket



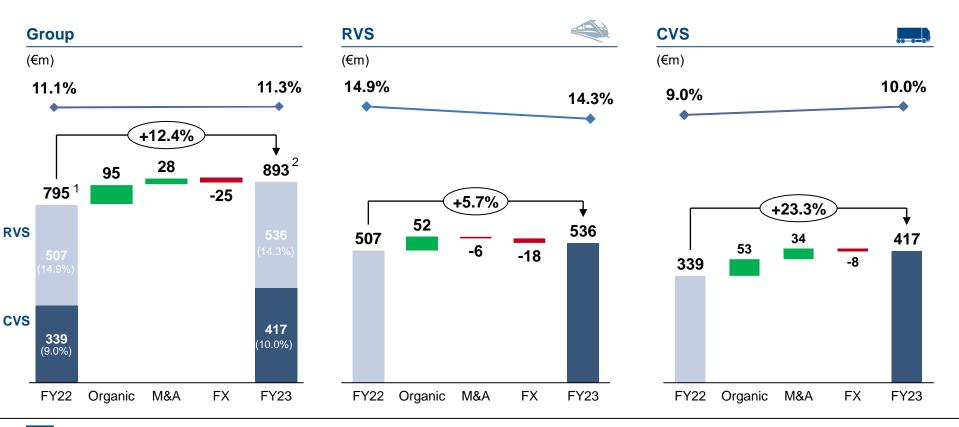
FY23: order intake for Group, RVS & CVS



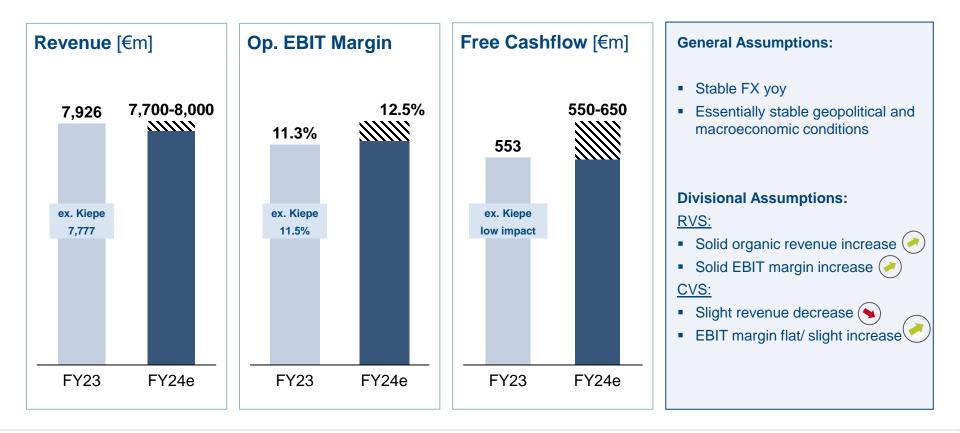
FY23: revenue for Group, RVS & CVS



FY23: op. EBIT for Group, RVS & CVS



Group guidance FY24¹

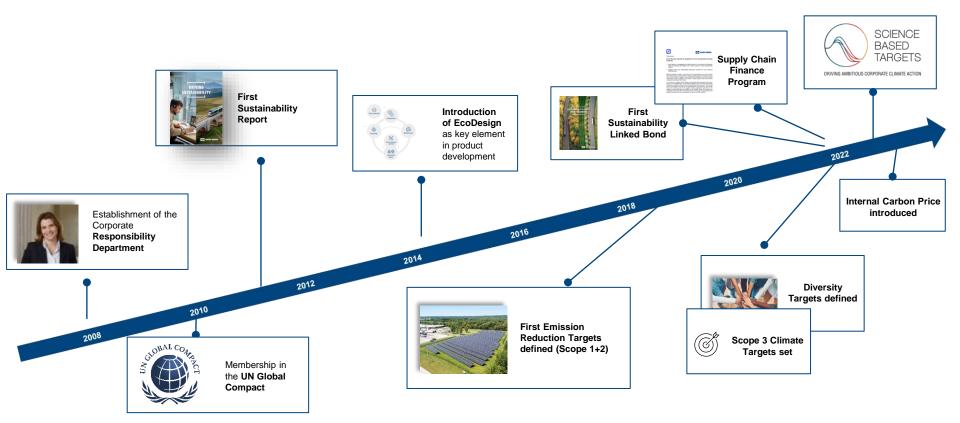


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- KB shares/ KB bonds
- Appendix



Knorr-Bremse's longstanding commitment to sustainability

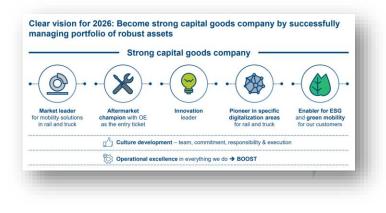


Sustainability is a fundamental layer of Knorr-Bremse's corporate strategy

ESG: Anchored in our Vision for 2026...

... and managed within a clear framework.

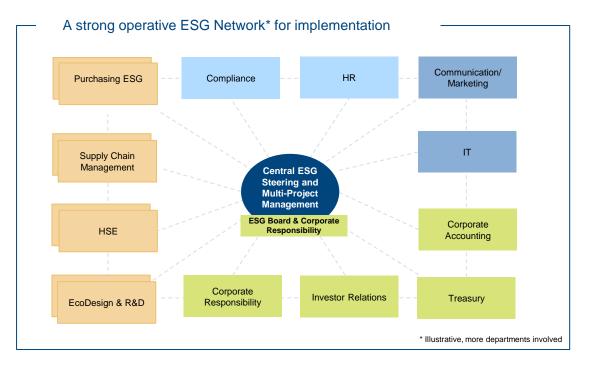




KNORR-BREMSE

Strong Governance to steer Sustainability within the company



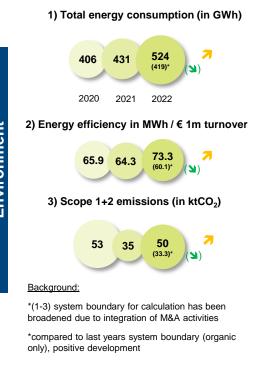




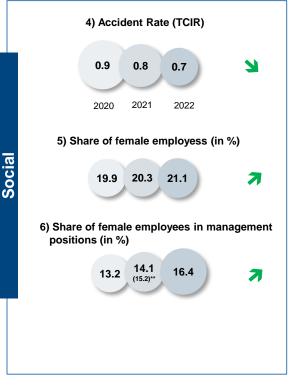
Knorr-Bremse has defined ambitious short- and mid-term ESG targets

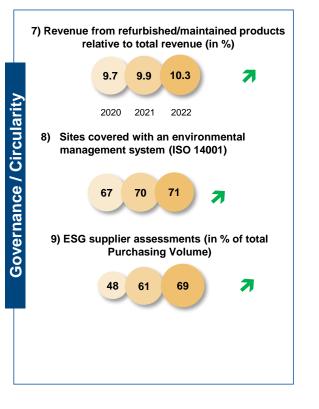
	Торіс	Description	Target		
Mid-term targets	Climate Change	Scope 1+2 reduction (baseline 2018)	2030	-75%	SCIENCE BASED
	Climate Change	Scope 3 reduction (baseline 2021)	2030	-25%	DRIVING AMBITIOUS CORPORATE CLIMATE ACTION
	Diversity	Women in management level	2027	20%	
	Diversity	Women in overall workforce	2027	25%	
	Sustainable Supply Chain	Sustainability Assessments of Knorr-Bremse supplier (coverage rate based on spend)	2025	75%	
Short-term targets	Energy Efficiency			5.4 GWh	
	Employee Safety			0.89	Remuneration of Top- Management (STI)
	ESG Ratings	Relative positioning of ESG Ratings (ISS + S&P + Sustainalytics)	2023	Top 11.5-14.5% Percentile	(0.1)

Facts & Figures 2022 – positive development in all three ESG dimensions



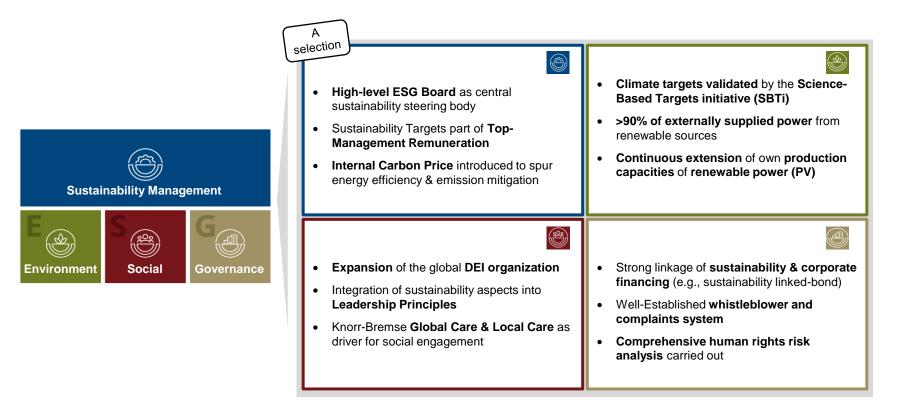
* "organic" growth (scope) without M&A





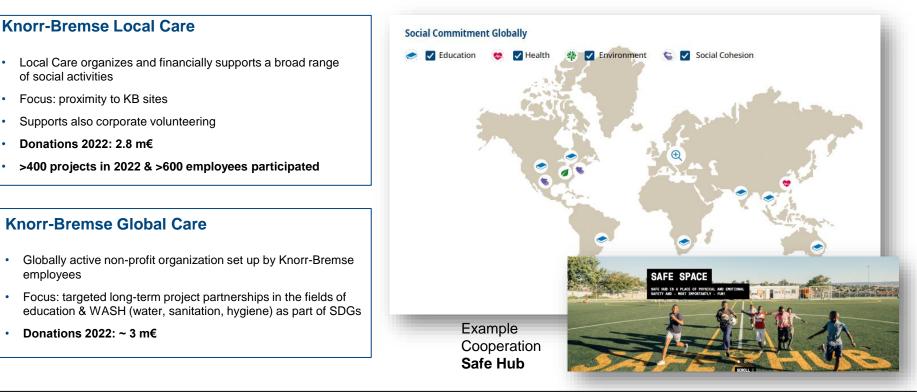
** compared to FY2021 scope

Integration into our business activities and implementation of the measures





Social commitment on local and global level has a long track-record at Knorr-**Bremse – examples from our activities**



KNORR-BREMSE

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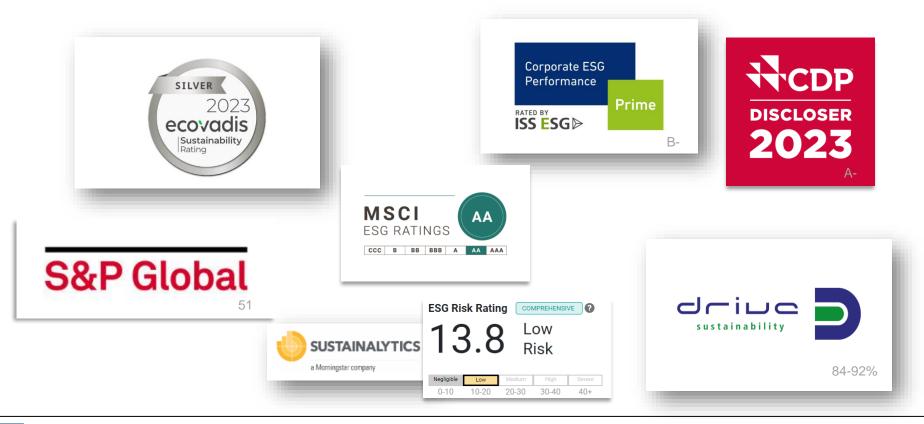
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Knorr-Bremse's Sustainability Management is externally recognized



(INDER: SERIES IN CONTRACT OF CONTRACT.

For further information please consult Knorr-Bremse sustainability reports



Non-financial declaration 2022

<u>Link</u>

Sustainability Report 2022

<u>Link</u>



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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

Corporate Bond of Knorr-Bremse AG

Security Identification Number	A2LQP5				
International Securities Identification Number	XS1837288494				
Issuer	Knorr-Bremse AG				
Issuer ratings	A3/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				

Strong current rating: S&P (A-) and Moody's (A3)



Bond Data

Sustainability-Linked Corporate Bond of Knorr-Bremse AG

Security Identification Number	A30VPQ			
International Securities Identification Number	XS2534891978			
Issuer	Knorr-Bremse AG			
Issuer ratings	A3/outlook stable (Moody's), A-/outlook stable (Standard & Poor's)			
Volume	EUR 700 million			
Term	5 years			
Settlement	September 21, 2022			
Maturity	September 21, 2027			
Coupon	3.250% p. a.			
Reoffer spread	3.331% p. a.			
Listing	Regulated Market of the Luxembourg Stock Exchange			
Denomination	EUR 100,000			
Applicable law	German law			

Strong current rating: S&P (A-) and Moody's (A3)



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Glossary (1/2)

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



HVAC	Heating, ventilation & air conditioning	LDW	Lane Departure Warning	тсо	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
ΙοΤ	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		

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