

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 GmbHl Board Member and investor
- 2019-present: Einride ABI 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
- Diploma in Bus. Administration

Years with Knorr-Bremse



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 I 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 I Head of Integrity & Legal
- 2013-2019: RWE Pensionsfond | Member of the Executive Board
- 2016-2020: Innogv 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



Bernd Spies Member of the Board, CVS

- 2022-present: Knorr-Bremse I 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



Dr. Nicolas Lange Member of the Board, RVS

- 2023-present: Knorr-Bremse | Head of RVS
- 2017-2023: Knorr-Bremse I 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

Years with Knorr-Bremse

KNORR-BREMSE

Years with Knorr-Bremse

Years with Knorr-Bremse

Years with Knorr-Bremse

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





Entrepreneurship-driven business culture



Global market leader for braking systems



Shared pneumatics experience between RVS and CVS



Technology leadership

2024 Key financials

Sales € 7.9bn

op. EBIT € 996m (margin 12.3%)

R&D € 568m (~7.2% of sales)

Aftermarket ~43% of sales

BALANCED PORTFOLIO²⁾...





... AND DIVERSIFIED GLOBAL FOOTPRINT WITH HIGH LOCAL CONTENT





countries

100 +

sites

~33,000 employees3)

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



1985

Management buyout by Mr. Thiele



2000

Bendix integrates Westinghouse Air Brake company



2015/18

Joint Venture with DonaFena Motor goes into operation & expansion 2018



2010-2018

€1bn+ capex invested to future-proof manufacturing and production facilities



2020

2021

Acquisition of RH. Sheppard Co., Inc. in the U.S



2022

2024

Investment in Cojali



1985-1990

Successful strategy: Globalisation, focus on RVS and CVS, growth in connected systems



2002

100% acquisition of Bendix in the US



2015/16

7 acquisitions



2017/18

Acquisition of Vossloh Kiepe, Federal Mogul Ind. Property Rights and Hitachi Automotive Svst.



Acquisition of EVAC



Investment in Alstom Signaling NA



1991

Dawn of the ICE era with high-speed braking systems



2006

4 Joint Ventures in Rail formed in China



2016

New state-of-the-art innovation and testing centre in Munich



2019

Strategic investment in RailVision & RailNova as well as acquisition of Snyder & Sentient.



2022

Investment in Nexxiot



€ 7.9bn



1995-1996

Rise of ADB technology



1999

Joint Venture with Bosch in Electronics

- first year when consolidated accounts are available

Sales (€bn) ■Important corporate events ■ Product innovation ■ M&A / Strategic partnerships

1985 1989 1990 1995 2000 2002 2003 2005 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 Notes: 1986-2016 based on financial statements prepared in accordance with German GAAP (HGB) and 2017-2024 based on financial statements prepared in accordance with IFRS. 1) 1989



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Corporate values



Knorr-Bremse regards challenges as opportunities for generating long-term, profitable growth

Entrepreneurship



Passion

We are passionate about what we do





Reliability

Safety is the basis for everything we do - and we do not compromise on this



Responsibility

As a globally operating company Knorr-Bremse incorporates a workforce with a wide range of cultures and strengths



Technological Excellence

Knorr-Bremse stands for technological expertise and competence in all company divisions



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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



Market outperformance

Track record of above industry growth



Innovation edge

Shaping industry trends by focusing on safety and mission critical applications/ systems



Sustainability

Our technologies are the foundation for sustainable and safe transportation



Profitability

Focus on attractive rail and truck end markets

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High safety requirements

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



Resilience

>40% aftermarket revenue share¹
Well-balanced portfolio
Close to customers

Cost-efficient operations



1) In 2024

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

RVS offering (2024: 51% of revenues, 65% of EBIT)

Brake systems Entrance systems

HVAC1)

RCC2)

Couplers

CVS offering (2024: 49% of revenues, 35% of EBIT)

Fuel efficiency

- Engine components
- Transmission

Brake systems, steering & vehicle dynamics

- Brake control
- Automated driving
- Brake systems Steering systems



Power electrics

Sanitary systems

Signaling systems

Modernisation and support

Aftermarket business



Energy supply & distribution

Connectivity

Electrification

Aftermarket services including Alltrucks network3)

ALLT QUCKS

Our customers

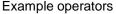
Example car builders

ALSTOM.



SIEMENS STADLER

















DAIMLER





























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 standards

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

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 increasing safety and emission standards requirements

CVS

KB has maintained and expanded its market leading positions



Market positions key product groups¹



Brake systems

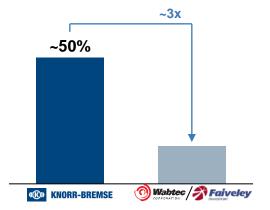


Entrance systems



HVAC systems²

Global brakes market shares¹



Example global market leader for brakes¹



Market positions key product groups³



Brake systems & vehicle dynamics⁴



Energy supply & distribution⁵



Fuel efficiency⁶

Global brakes market shares³



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

Strong resilience of growth and profitability

Different economic cycles

- ~50/50 split RVS and CVS (by sales)
- Different market drivers
 - Market cycle (CVS) vs. no cycle (RVS)
 - Mostly private customers like governments (RVS) vs. public investment (CVS)

High aftermarket share

- ~43% total sales¹)
 - 54% of RVS sales¹⁾
 - 32% of CVS sales¹⁾
- Large installed base globally



Diversified customer base

Partner to all major local and global players

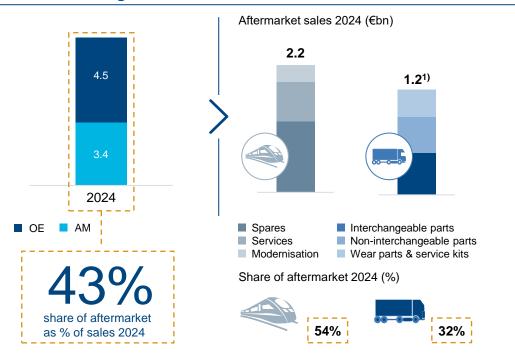
Global footprint and local content

- High level of local content in manufacturing, purchasing and R&D
- Presence in 30+ countries with 100+ sites
- ~85% of employees outside Germany
- ~15% of employees in **China**, catering to local market

KNORR-BREMSE 1) 2024

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 centres¹⁾
 - 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





- New connectivity-based business models
- Preventive
- Predictive



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
- 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 groups
- Different industry standards in rail and truck

RVS



Electric compressors Friction materials Air disc brakes (ADB)

Driver assistance Trailer control valve Electronic air supply





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



True Scale:

~5,000 R&D employees Thereof >800 software engineers 5 global R&D centers (3 co-located)



Agile R&D methods implemented



Extensive partnership network & collaboration with tech players



In-house incubator



Pioneering innovations (examples)

RVS



Digital automatic coupler for freight (DAC)



CVS

Electric power steering



Reproducible braking distance



Electronic parking brake



LIFEDrive sliding doors



eCompressor

Long-term R&D ratio: towards 6% of revenues

We confirm our successful strategy

- ((1)) Systematically develop base portfolio
- 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





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









Urbanization

Sustainability

Digitalization

Mobility

Industry trends: addressing industry trends with superior technological solutions



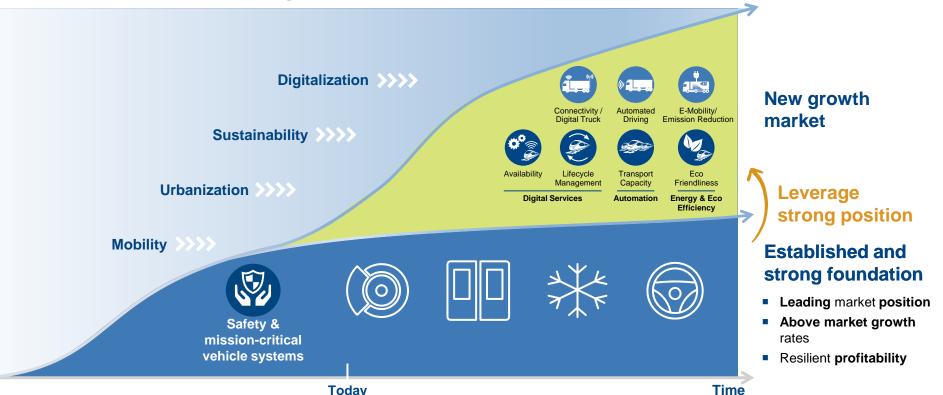
Transport Capacity
Availability
Eco Friendliness
Life Cycle Management



Traffic Safety
Emission Reduction & E-Mobility
Automated Driving
Connectivity



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

— Strong basis ——





Pneumatic brake system





Air disc brake



Electronically controlled pneumatic brake





ABS & EBS



Smart brake control (Cube Control)







Digitalization empowers KB's growth engine



Majority investment







Capabilities

- All-Makes workshop diagnostics
- Telematics incl. remote vehicle diagnostics
- Data analytics & big data

Applications

Aftermarket ecosystem



Predictive maintenance



Data monetization



Specialist in IoT-technologies



Cloud-based ecosystem

Multiple transport segments¹



Condition monitoring



Predictive maintenance



RVS in strong position to tap into digital automatic couplers





dynamic infrastructure usage



Maintenance Service

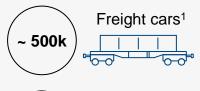


sustain, enhance, accelerate

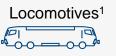




Digital Automatic Couplers | Enabling faster processing and enhanced safety









Vast untapped future market in 2030+



RVS at the forefront of innovation



DAC prototypes in testing

Condition monitoring to become a major source of digital offering



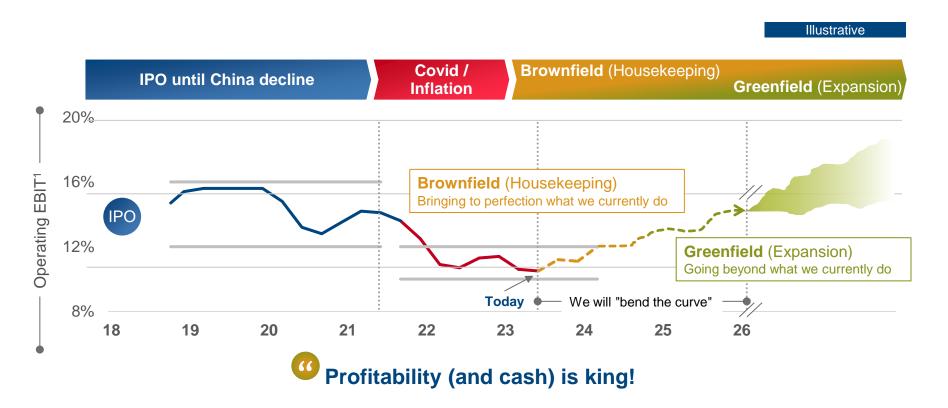
RVS helps customers to efficiently monitor and measure KPIs:





... Predictive maintenance to come next

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





BOOST¹ program with clear responsibilities to reach the next level

Strategic (iii) Products **People** Processes initiatives Revitalizing the core Culture development Efficiency programs (PCPP) Organizational transformation Portfolio right-sizing NWC optim. (Project Collect) Fix-it program Talent mgmt. (HR Connect) Brownfield (Housekeeping) SG&A, legal entity reduction Renewal of innovation power Expansion of aftermarket IT excellence (S4Hana) Strong EVP² Driving digitalization (growth) Driving digitalization (efficien.) Enabling ESG for our customers (incl. CO₂ emission reduction) Greenfield (Expansion) Selective M&A

BOOST 2026

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







Growth

Revenue € 8-9bn

Profitability

Op. EBIT margin	> 14%
CVS	> 13.5%
RVS	> 16.5%
ROCE	> 20%

Free Cash Flow

CCR 80-90% sustainably

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RVS: outperformance and resilience





Market leadership



Strong growth profile



Technology innovation

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



 RVS only supplier certified for all standards and norms globally



Resilience

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



Profitability

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

2024 key financials **Highlights** 2024 revenues split by region Rail brake systems supplier globally¹⁾ € 4.0bn revenues Asia /Australia 32% Rail entrance systems Europe supplier globally¹⁾ 54% Americas 13% **HVAC** systems supplier globally1) € 630m op. EBIT (15.6% margin) Global brakes market share1) by channel Present in 50-55% of global AMinstalled base²⁾ 54% 54% aftermarket share⁴⁾ ~18,000 employees

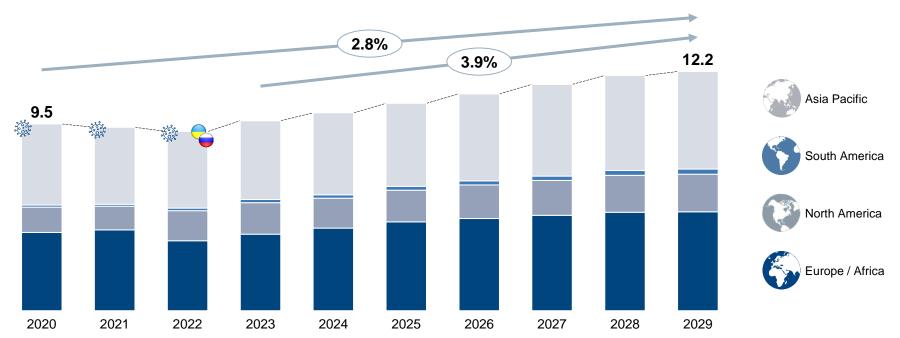
Notes: BilRUG sales allocated proportionally between OE and aftermarket; 1) RVS market share estimates for OE and aftersales without labour; 2) All active rail vehicles without freight cars with a minimum of one Knorr-Bremse system related to brakes, entrance systems and HVAC installed; 3) Total reported 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



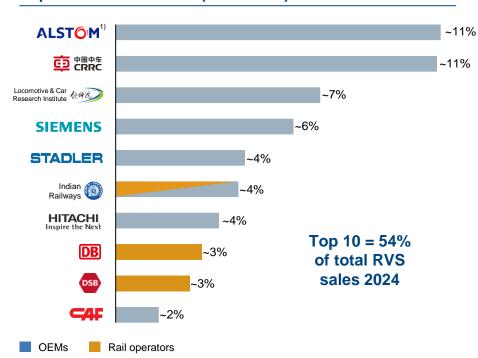
Development of relevant sub-systems market volume¹ (OE + AM in €bn)



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







Other major Knorr-Bremse customers



GREENBRIER

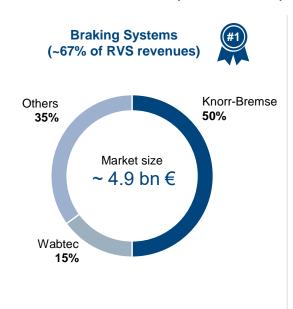
Notes: 2024 sales and customer data based on 31.12.2024; incl. Kiepe Electric (1M), incl. KB Signaling (4M); share of top 10 customers as % RVS sales 2024 may not add up due to rounding; 1) incl. ex-Bombardier, excl. JV

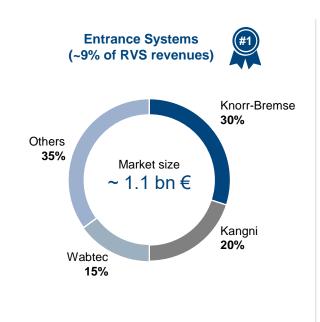


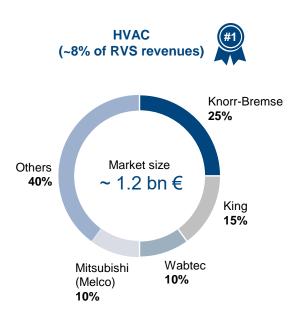


RVS holds global #1 position across key product categories

Global market share 2024¹ (% 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

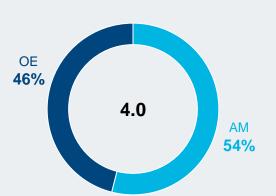
Strong growth both in OE and AM

RVS sales by type (until 2017 German Gaap/HGB, 2018-2020 IFRS, €bn, 2010-2024)¹)





Revenue split 2024 in €bn



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



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⁾
ųíc)		A □	4
C GOST		A 4	4 3
ASSOCIATION OF AMERICAN RAILROADS		A [3]	4 1
AUSTRALASIAN RAILWAY • ASSOCIATION	**	A □	4 1

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;

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CVS with high-quality business model: outperformance and resilience





Market leadership

A global market leader increasing market share (~30% for brake systems & vehicle dynamics)



Strong growth profile

Continuously outperforming markets with rising content per vehicle



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 (~32% 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

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



~13,500 Employees

2024 key financials

€ 3.8bn revenues

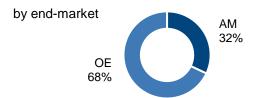
€ 401m op. EBIT (10.4% margin)

32% aftermarket share

2024 revenue split

by region







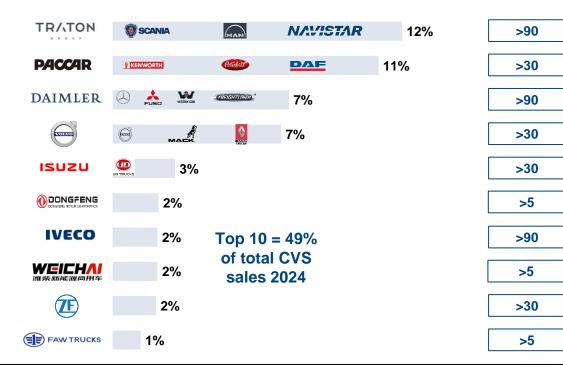
Knorr-Bremse is the partner of choice for global OEMs with long-standing relationships



Top 10 customers 2024 (% of sales)

Years of relationship

Other major Knorr-Bremse customers





























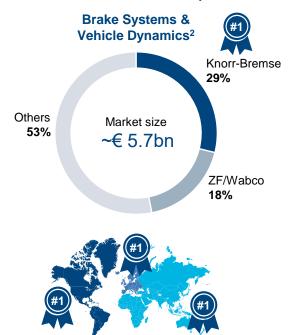


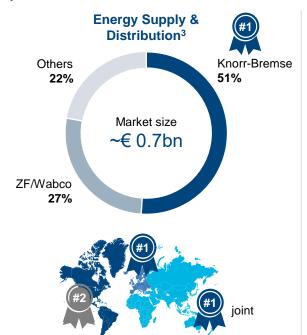


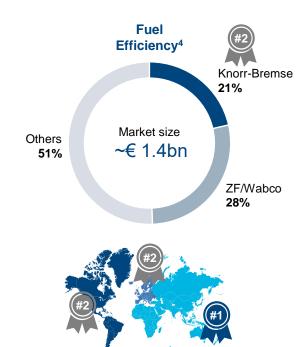
CVS is market leader in all major product fields

00-0-0

Global market share 2024¹ (% of revenues)







1) 2024 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

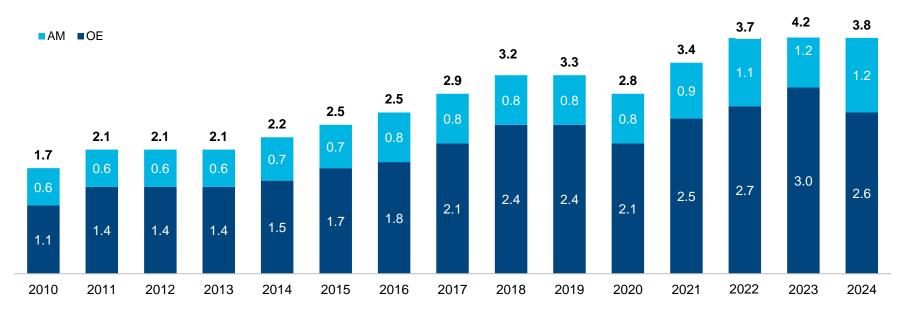


Historic development of OE and AM business¹



Strong growth both in OE and AM

CVS sales by type €bn (HGB: 2010-2017 and IFRS: 2018-23)

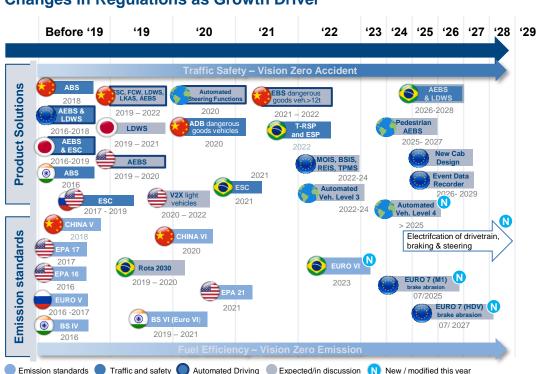




Electrification, Brake Emissions and Software



Changes in Regulations as Growth Driver









Legislative driven standards and new emission rules foster demand for Knorr-Bremse solutions



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



- E-mobility and autonomous driving to fuel CpV growth
- Advancement in safety features is a growth catalyst in Asia
- Especially, China market growth driven by increases in Air Supply and Drivetrain
- In North America, KB CpV is already at high levels technological adaptations and enhancements prevail

New growth areas for CVS



Illustrative growth potential

Growth contribution of industry trends

World's leading supplier of safety relevant CV systems

Generate new business by optimizing TCO and emissions along the truck lifecycle

Connectivity & Digital Truck Connectivity

Current CVS portfolio with focus on traffic safety perfectly fits market demands

In the future however, CVS will gain more content per vehicle growth with solutions for Automated Driving, Emission Reduction & E-Mobility and Connectivity



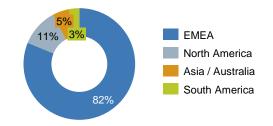
The Cojali Group is a Spanish Diagnostics expert with strong offerings in All-Makes Diagnostics, Remote Diagnostics and Alternative Specification

Key facts

- Headquarter:
 - Campo de Criptana, Spain
- Subsidiaries:
 - Cojali US
 - Cojali France
 - Cojali Italy

Regional presence

Cojali products are available in 135 countries



Financial KPIs

Sales 2024: >€ 100m

R&D Share: ~7%

Employees ~550















Key Product Categories

All-makes Diagnostics & Workshop Tools

Solutions for trucks, trailers, buses as well as LCV, Off-Highway and Marine



214 BRANDS

6,027



Telematics & Remote Diagnostics

Fleet Management and Remote Diagnostics for Commercial Vehicles





Alternative Specification

Air Brake, suspension, transmission, electric and cooling system components

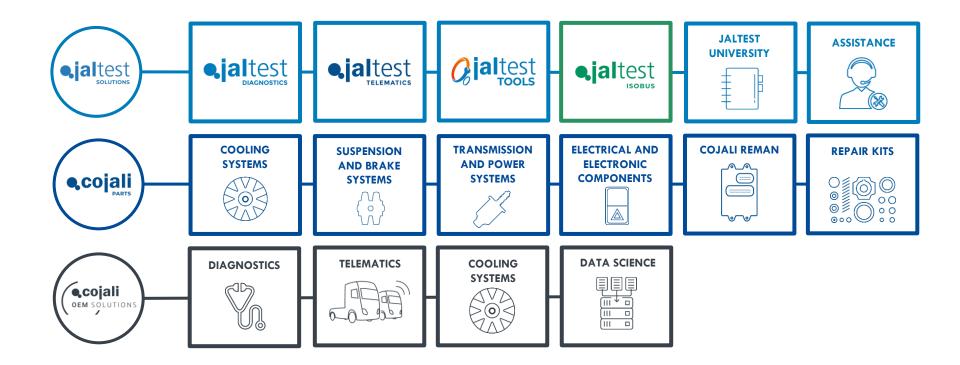






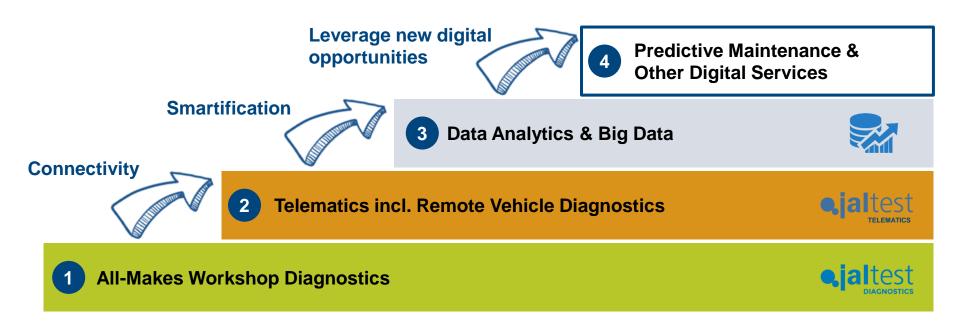


Cojali's product offerings





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



CVS offers both driver assistance and automated driving solutions

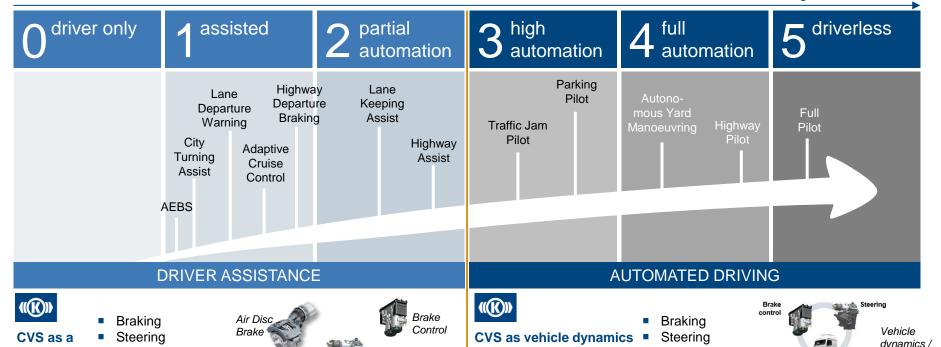
Steerina



degree of automation

Vehicle dynamics

Related redundancy



supplier

Sensors

Level 1 and 2 functions

system

supplier

Truck Motion

Control

CV system competence

CVS is offering a broad product portfolio for electric trucks

EV adapted portfolio



New EV product fields



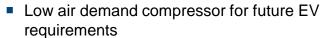
eCompressor



Electric screw compressor



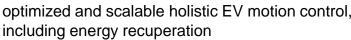
Mid air demand eCompressor (rotary vane)







EV brake control & vehicle dynamics









EV wheel brake

Building block system for future EV generations



Redundant power management system





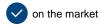
EV brake resistor

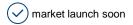




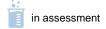
Opportunities in H2 vehicles











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Focused R&D investments define product roadmap for KB

Strong R&D base...





Global R&D centers

towards

6% Long-term R&D ratio





~€ 570m >12,000 R&D spent (FY24)

Patents worldwide

...to shape product innovation¹...

Roll-over products:

Electric Power Steering

Product upgrades:

Condition monitoring

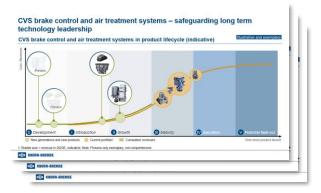
New products:

Digital automatic coupler

Scope increases:

Aftermarket ecosystem

...with effective tracking in place



- R&D project tracking
- 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

1990 Air Disc Brake



Technology transfer for ADB from RVS to CVS



1992 Air Disc Brake



1985 Screw Compressor



RVS Screw Compressor technology adopted for CVS applications



2011 Screw Compressor



2021/2022 Collision Avoidance



Collision Avoidance for RVS based on CVS system know-how within the field of sensor technology



2008 Collision Avoidance



Faster time-to-market



·· Higher cost benefit

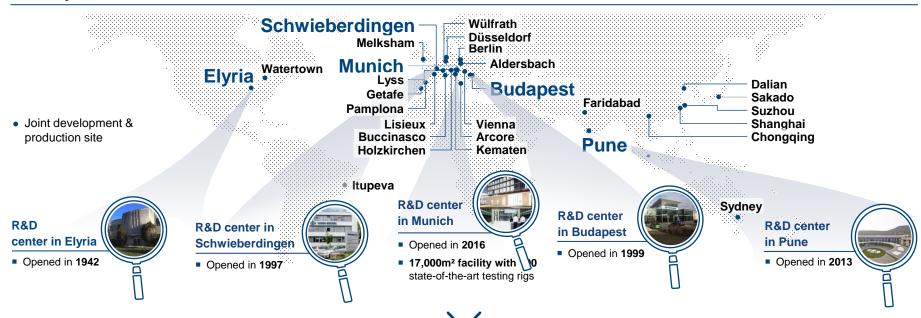


Focused customer solutions -----



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

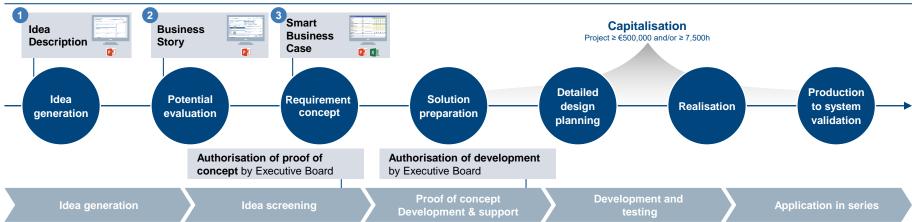
Globally Σ ~5,000 FTE



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...

- (5) Optimisation of TCO1)
- Reduction of energy consumption, noise, weight
- Safety & reliability
- Connectivity, wireless solutions, ethernet
- Adaption to regulation

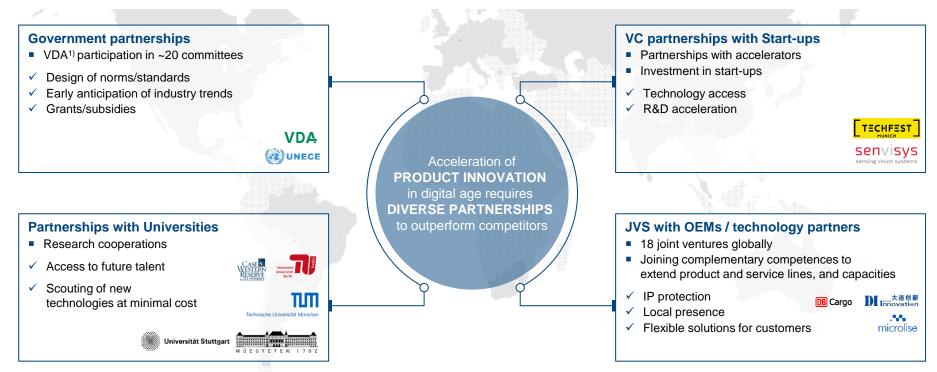
...and maximum economic benefit for Knorr-Bremse

- 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



Countries Knorr-Bremse is present

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

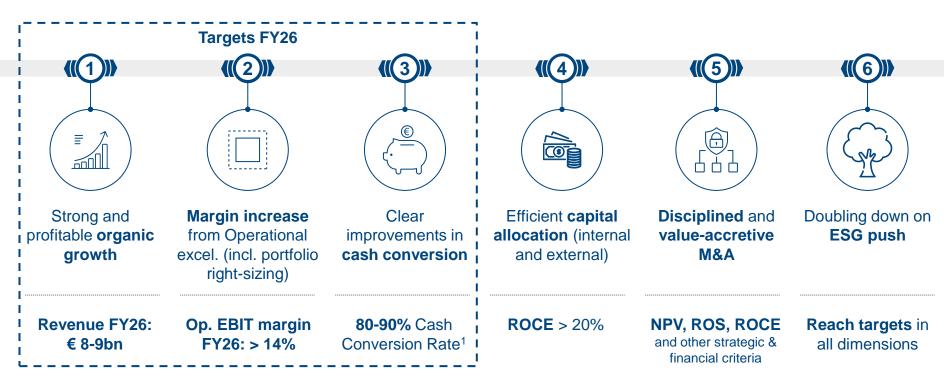


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Financial Strategy | KB target picture translates into clear financial targets supporting profitability growth



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



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

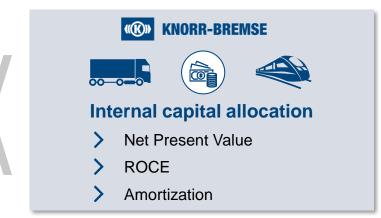


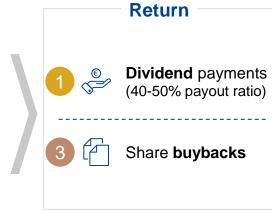


towards 6% R&D ratio1



4-5% CapEx ratio¹





Inorganic growth (M&A)



Value-accretive (NPV)



Profitable growth and high returns (ROS / ROCE)









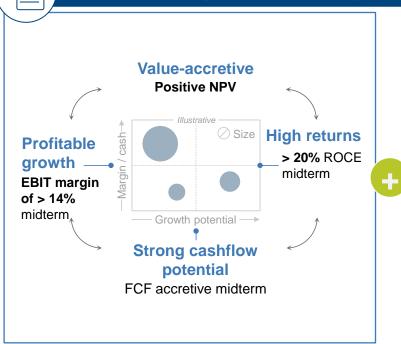


M&A | Disciplined approach based on a holistic set of updated M&A criteria will guide future acquisitions as add-on to organic growth

Strategic focus



Financial guardrails for larger transactions

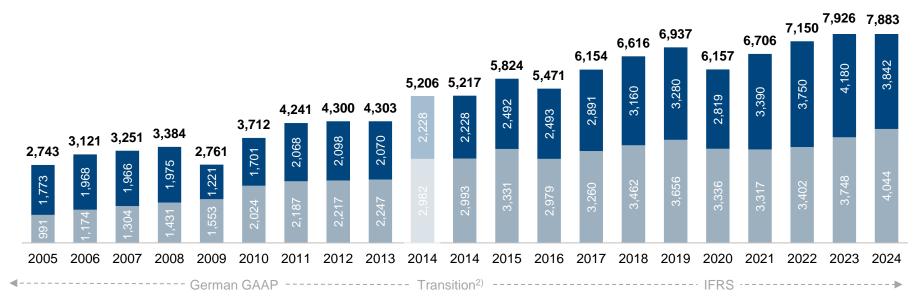


- No larger restructuring cases (< € 50m revenue)
- No significant barriers to integration
- Contribution of strongAM business
- Leverage must support investment grade of KB
- Expansion beyond RVS and CVS (Greenfield) only if KB is best owner

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

Historical sales¹⁾²⁾ by division

(€m)



RVS CVS

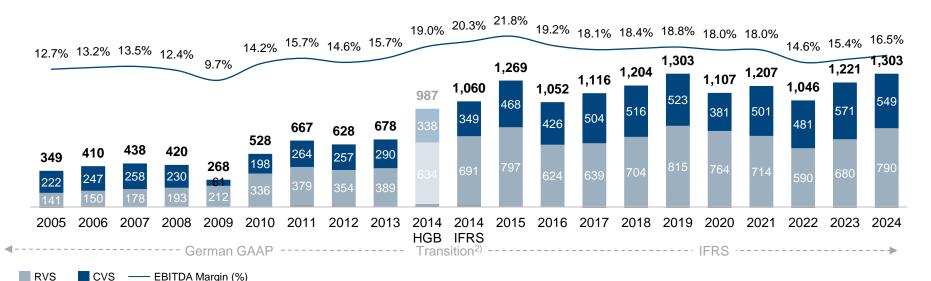
Notes: 1) Divisional historic figures do not add up to group sales excluding consolidations/other; 2) 2014 represents the first year that Knorr-Bremse prepared its financial statements in accordance with IFRS. Prior to 2014, financial statements were only prepared in accordance with German GAAP (HGB). 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

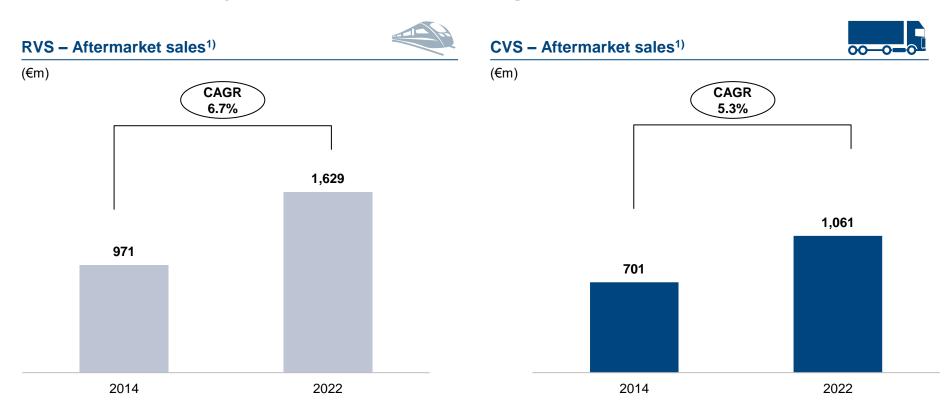
(€m)



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.



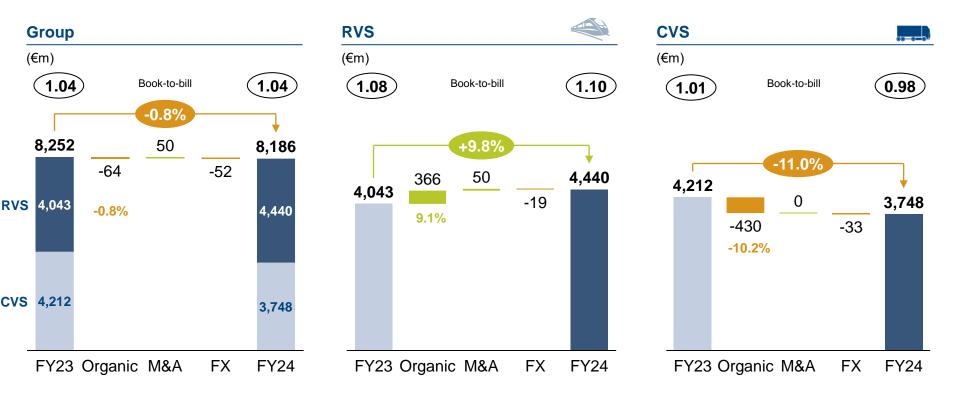
... all supported by solid aftermarket sales growth



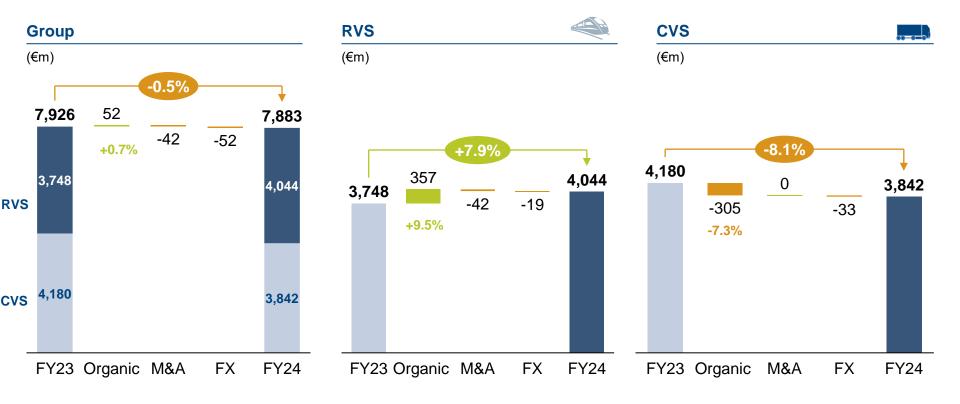
Notes: 1) Based on IFRS; BilRUG sales allocated proportionally between OE and aftermarket



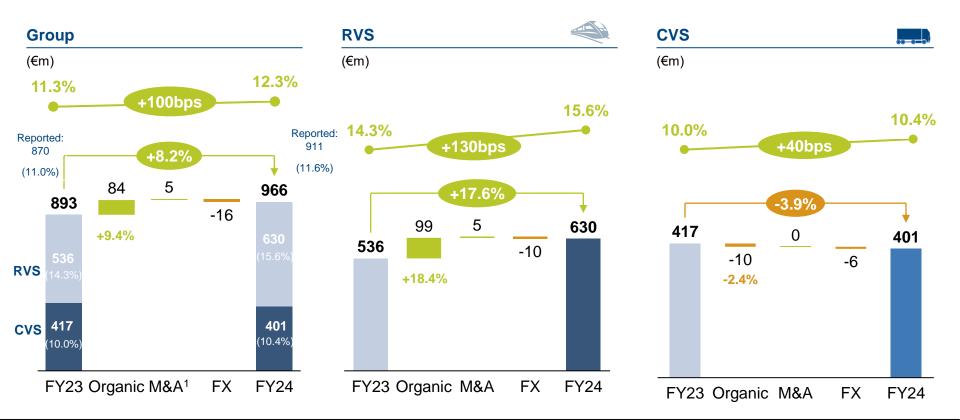
FY24: order intake for Group, RVS & CVS



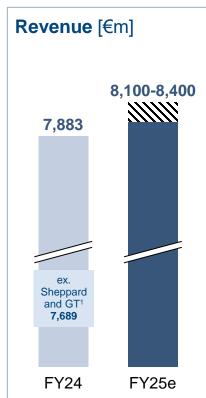
FY24: revenue for Group, RVS & CVS

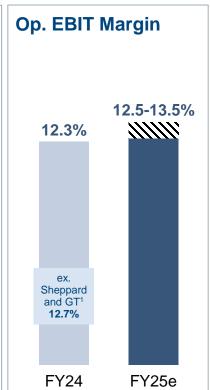


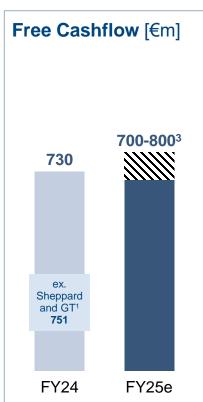
FY24: op. EBIT for Group, RVS & CVS



Group guidance FY25







General Assumptions

- Stable FX vs. current levels
- Essentially stable geopolitical and macroeconomic conditions
- Potential restructuring costs of up to € 50m³ to adjust production footprint
- Capex/rev.: from 5-6% to 4-5%

Divisional assumptions

RVS¹:

- Rev.: solid increase
- Op. EBIT margin: solid increase

CVS²:

- Rev.: almost flat despite disposals
- Op. EBIT margin: slight/solid increase



¹⁾ KB Signaling consolidated since 09/24 2) R.H. Sheppard was deconsolidated in 12/24 and GT in 01/25

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We enable Safe & Sustainable Mobility: Sustainability Management at a Glance



Our purpose: We enable sustainable and safe mobility – We innovate for a better society and environment



Our strategy: Sustainability embedded as fundamental, cross-cutting element in our corporate strategy and business model

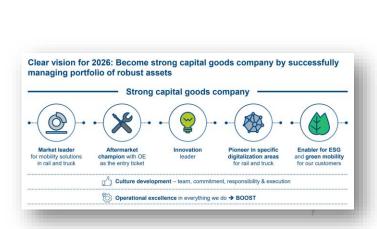


Our longstanding commitment: Long-term sustainability strategy and sustainability governance structure established since 2008



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

ESG: Anchored in our Vision for 2026...



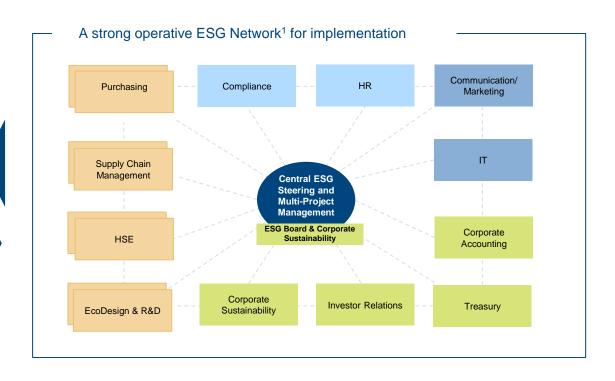
... and managed within a clear framework.



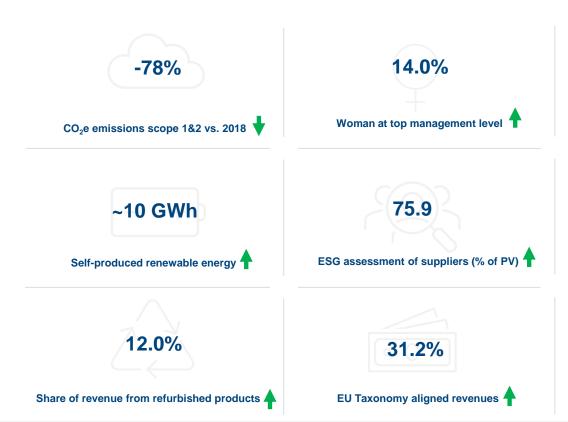


Strong Governance to steer Sustainability within the company

High-level ESG-Board **Executive Board, Divisions &** Regions, Global Care e.V. & Sustainability represented Minimum four meetings per year Strategic guidance, target & program monitoring, overall steering



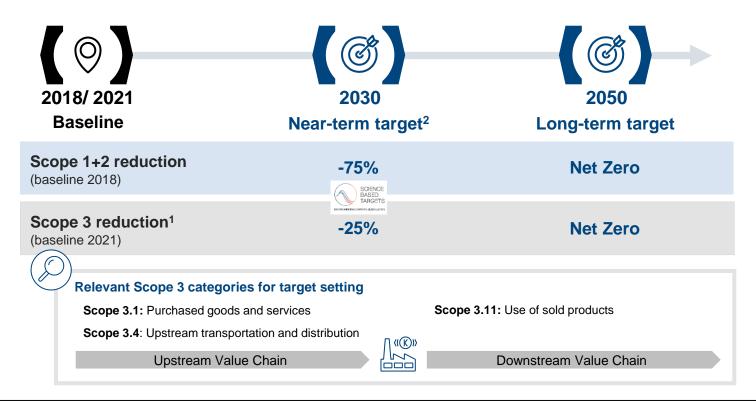
Sustainability activities consistently driven forward in 2024



Execution highlights 2024

- Inaugural Green Bond successfully placed
- First CSRD-aligned Sustainability Report
- Sustainability targets further integrated in Top-Management Remuneration Schemes
- Fully on track to reach Scope 1&2 climate target of -75% in 2030 (base year 2018)
- Human Rights Risk Analysis according to LkSG finalized
- Strong ESG Rating Performance

Our way to net zero: ambitious near-term as well as long-term targets set





Knorr-Bremse Climate Strategy 2030 focuses on six key levers to achieve GHG emission reduction for Scope 1-3



Increase of CO₂e- and energy efficiency:

Implementing energy efficiency improvement measures and use of low/zero-carbon fuels in heating systems and in the corporate car fleet



Self-generation of renewable energy:

Increasing the share of renewable energy produced at Knorr-Bremse locations



Purchase of renewable energy:

Ensuring high share of renewable energy purchased, using green power tariffs, power purchase agreements, and green electricity certificates





Decarbonization of the supply chain:

Sourcing production materials with low GHG intensity, e.g., driven by clean production processes, high shares of recycled content etc.



Increase of product efficiency and decarbonization of the use phase:

Providing innovative product and service solutions that enable energy and GHG efficiency in mobility



Decarbonization of power sector in our markets:

This passive lever is not directly within our control, but supports our decarbonization strategy and helps our customers

Social commitment on local and global level has a long track-record at **Knorr-Bremse**

Knorr-Bremse Local Care

- Support of a broad range of social activities such as donations. corporate volunteering or "Get-Involved-Initiative"
- Focus areas: environment, health, education, social cohesion
- Proximity to Knorr-Bremse sites worldwide
- Around 1,200 employees participated in > 490 projects in 2024
- € 1.5 million donated in 2024

Knorr-Bremse Global Care

- Globally active non-profit organization set up by Knorr-Bremse employees
- Targeted long-term project partnerships in the fields of education and WASH (water, sanitation, hygiene) aligned with SDG 4 and SDG 6 of the United Nations
- € 3.2 million donated in 2024



ESG ratings: very strong positive perception of KB ESG performance

Rating	Score type	Latest score	Reporting year	Previous result	Description
S&P Global	ESG score (0-100)	55	2023	51	Knorr-Bremse scored 55 out of 100 points (2023: 51, 2022: 50), reflecting an improvement of four points since the last years. (as of September 2024)
MSCI 💮	ESG rating (CCC – AAA)	AA (7.4)	2024	AA (8.5)	Knorr-Bremse's rating of "AA" was confirmed again for the reporting year 2024 (2023: AA, 2022: AA), which is the second-best of seven categories. (as of January 2025)
ISS ESG ⊳	ESG rating (D- – A+)	B- (prime)	2023	B- (prime)	Knorr-Bremse has maintained its Prime Status "B-" in 2024 (2023: B-, 2022: C+). This puts Knorr-Bremse in the top 11% of companies in its industry. (as of September 2024)
TICDP	ESG rating (climate: D – A)	A- (climate)	2023	A- (climate)	Knorr-Bremse has received a CDP rating of "A-" for the second time in a row for transparency and performance in climate protection (2023: A-, 2022: B). This puts Knorr-Bremse at the CDP Leadership Level. (as of February 2025)
M\(\text{ANNISSIR}\) SUSTAINALYTICS	Risk score (100 – 0)	16.6 (low risk)	2023	12.3 (low risk)	Knorr-Bremse received an ESG Risk Rating of 16.6 and was assessed to be at low risk (top 5% within its peer group). (as of November 2024)
ecovadis	ESG "medal" (no medal – Platinum)	Gold	2022-2023	Silver	Knorr-Bremse is currently scored with Gold (2023: Silver status; 2022: Silver status) and is therefore among the top 3% of companies in the comparison group. (as of April 2024)
drine D	ESG score (0 – 100%)	76-93%	2024	75-92%	

For more information, refer to our Sustainability Reporting





<u>Sustainability Report 2024</u> as integral part of the Annual Report in accordance with CSRD (Corporate Sustainability Reporting Directive)

Sustainability Figures 2024

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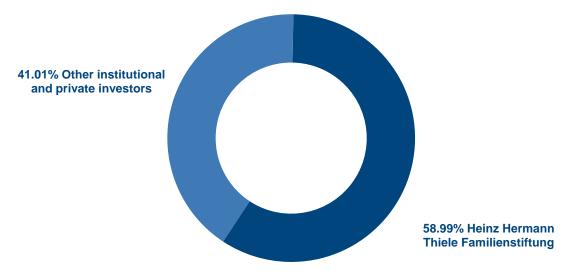
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Share data

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	

Shareholder structure of KB shares



Status: 03/25	Share in %
Heinz Hermann-Thiele-Familienstiftung	58.99%
Other institutional and private investors	41.01%

Bond Data

About the bond	Knorr-Bremse Bond issued 09/2022			
Issuer	Knorr-Bremse AG			
Bond-Rating at issuance	A2/outlook negative (Moody's), A-/outlook stable (Standard & Poor's)			
Volume	700 mEUR			
Term	5 Year			
Settlement	September 21, 2022			
Maturity	September 21, 2027			
Coupon	3.250% p. a.			
Reoffer spread	3.311% p. a.			
Listing	Regulated Market of the Luxembourg Stock Exchange			
Denomination	EUR 100,000			
Applicable law	German law			
Bookrunners	Deutsche Bank, HSBC and UniCredit			



Bond Data

About the bond	Knorr-Bremse Bond issued 09/2024		
Issuer	Knorr-Bremse AG		
Bond-Rating at issuance	A3/outlook stable (Moody's)		
Volume	600 mEUR		
Term	5 Year		
Settlement	September 30, 2024		
Maturity	September 30, 2029		
Coupon	3.000% p. a.		
Reoffer spread	3.175% p. a.		
Listing	Luxembourg, Regulated Market of the Luxembourg Stock Exchange		
Denomination	EUR 1,000		
Applicable law	German law		
Bookrunners	Deutsche Bank, UniCredit and HSBC		



Bond Data

About the bond	Knorr-Bremse Bond issued 09/2024			
Issuer	Knorr-Bremse AG			
Bond-Rating at issuance	A3/outlook stable (Moody's)			
Volume	500 mEUR			
Term	8 Year			
Settlement	September 30, 2024			
Maturity	September 30, 2032			
Coupon	3.250% p. a.			
Reoffer spread	3.443% p. a.			
Listing	Luxembourg, Regulated Market of the Luxembourg Stock Exchange			
Denomination	EUR 1,000			
Applicable law	German law			
Bookrunners	Deutsche Bank, UniCredit and HSBC			



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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



Glossary (2/2)

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
IoT	Internet of Things	p.a.	per annum		
IPO	Initial Public Offering	PWM	Private Wealth Management		
JV	Joint venture	R&D	Research & Development		
КВ	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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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". The words "anticipate," "assume," "believe," "estimate," "expect," "intend," "may," "can," "could," "plan," "project," "should," "plan" and similar expressions are used to identify forward-looking statements. 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 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.

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