

Strategy Update July 18, 2023 | Marc Llistosella (CEO) & Frank Weber (CFO)

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Over the past 10 years, KB with strong performance

Growth drivers



Technology leadership



Attractive niche markets



Long-term contracts



High AM exposure



KB Group revenue (€bn)







KB faced challenging market conditions in the recent past

-External challenges-



De-globalization



Russian war in Ukraine



Inflationary pressure



Slower econom. growth China



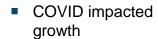
Softer market growth



Supply chain instability



Growth



- RVS: "China party" is over
- Closure of Russian markets



KB challenges

Profitability

- Partly underperforming businesses
- Complex legal entity structure (120+)
- Inflation: Customer price increases with a time lag



Cash conversion

- Supply chain issues cause higher inventory
- Customers' payment behavior leads to higher accounts receivables



CEO view: Identified KB challenges are being addressed

Identified KB challenges ...



Profitability contracting



New areas of growth missing



Unclear M&A strategy



Rail business in China declining



Competition for CVS increasing



Low cash conversion rate



Compensation of Russia business

... are being addressed

Strong focus on EBIT margin improvement

Group-wide optimization program (PCPP)

Application of **best ownership principle**

Reduction of legal entities



Superior technology sustains KB's 36%¹ CVS & 52%¹ RVS market share



Strategic & operational change initiated, now focus on implementation

^{1.} Market shares for brake system related product groups



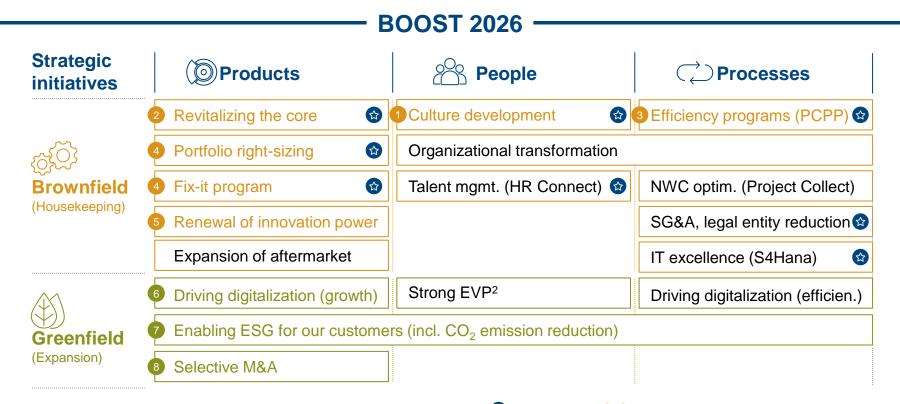
We will "bend the curve" to bring KB to the next level



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



Cultural development is a MUST for our future success

Key areas of culture...

Fail fast – fail early

No shopping when hungry

Walk the talk

One company - one team

Be in the driver's seat

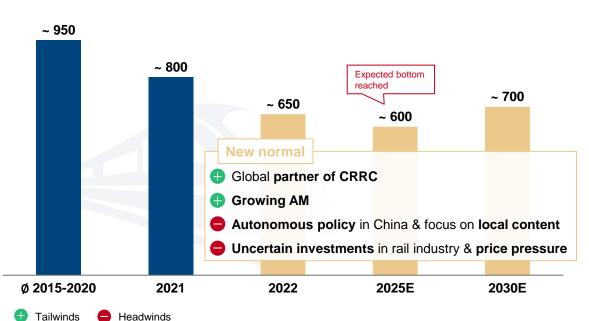
Get down to business

... and what they mean

- > Accept failure and pull the plug early
- > Only good M&A with holistic set of clear criteria
- > Use **tracking and reviews** to keep everyone on their toes
- More collaboration, whenever it makes sense
- Manage proactively and take challenges head on
- Last but not least: **Execution**, **execution**, **execution**!

RVS China: Confirming business outlook from Q2'22; strategic priorities and AM business recovery help to sustain market position

Total RVS revenues in China (in €m)



Strategic priorities



De-risk business systems



Increase supply chain resilience through localization and adaptation



Defend market share (customer relationships/superior technology/strong AM)



Reduce vulnerability by shifting growth focus to other regions



Improve cost base through higher efficiency and lean management





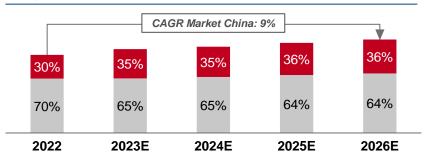




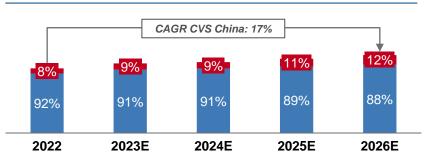


CVS China: Attractive outlook of Chinese truck market as tailwind for CVS

Regional market¹ breakdown (TPR)



CVS revenue breakdown (in €bn)



Key insights

- Chinese market shows the highest global share with 30% in 2022, but is characterized by high volatility
- CVS expected to outperform the market despite high volatility and will expand on current strategy:
 - Focus on market-leading OEMs and the strengthening of long-term strategic cooperations
 - Utilize higher CpV² by focusing on technology adoptions and monitoring governmental regulations
 - Build on lean management team and take advantage of market experience and scale effects

1. Incl. global heavy-duty & medium-duty trucks & buses produced (≥ 6 tons) 2. Content per vehicle; Differences may occur due to rounding

((K)) KNORR-BREMSE

Rol

RoW Market

China

RoW CV



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

Measures identified to reduce cost base and increase efficiency

Major KB efficiency indicators

(indicative)

R&D spend



CapEx & Depreciation



Revenue / HC



EBIT / HC



Indicators show room for EBIT margin improvement

Measures identified (selection)

- CapEx & R&D investment prioritization & right-sizing
- **Technical & commercial efficiency** enhancement (VA/VE¹)
- **GBS (Global Business Services) service enhancement**
- **Relocation** of engineering to best cost countries
- **Process harmonization** (Celonis data mining & process improv.)
- **Restricted hirings**
- **Complexity reduction & footprint optimization**

Stringent & proven PCPP implementation methodology (incl. monthly measures review, implementation tracking)



1. VA/VE = Value Analysis and Value Engineering Stable impact Negative impact



Positive impact

Turning KB into a strong portfolio manager

Assessment criteria



Best owner principle



Profitability / EBIT margin



Positioning on S-curve / life cycle



Technological differentiation

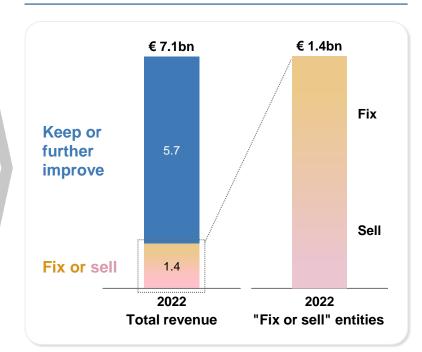


Global reach



Market leadership

KB's tech and product portfolio



Findings

€ 1.4bn revenue under strict review

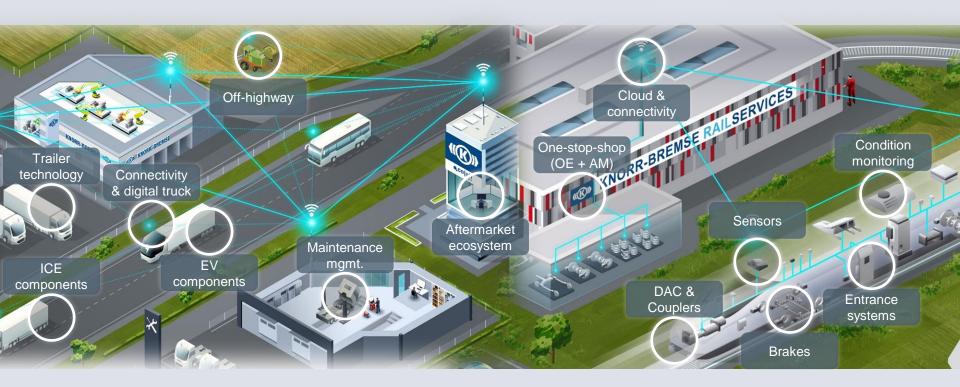
First assets identified

~ 200bps potential op. EBIT uplift¹

1. Until 2026E and vs. 2022 reported EBIT; Note: Differences may occur due to rounding



Existing and potential business scope of KB







Focused R&D investments define product roadmap for KB

Strong R&D base...





Global R&D centers

6-7%
Long-term
R&D ratio





~ € 490m R&D expenses (FY22)

> 12k
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

Digitalization empowers KB's growth engine



Majority investment





Strategic partnership & minority investment

Specialist in IoT-technologies

Diagnostics & telematics

Cloud-based ecosystem





All-Makes workshop diagnostics



Telematics incl. remote vehicle diagnostics



Data analytics & big data

Capabilities

Applications

Impact

Aftermarket ecosystem



Predictive maintenance



Data monetization



Multiple transport segments¹



Condition monitoring



Predictive maintenance





Strong growth & profitability

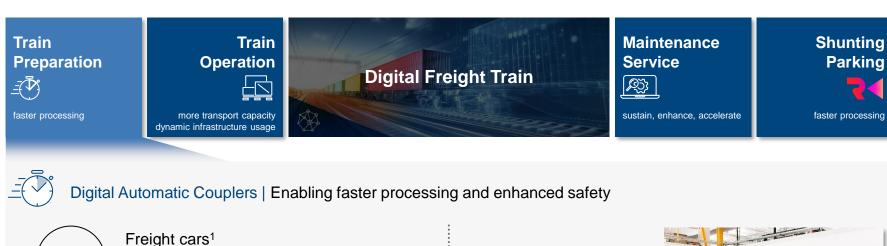






1. Segments include rail freight, maritime freight and rail non-freight & DAC 2. Digitally-enabled revenue by Nexxiot 3. In connected wagons & intermodal containers

RVS in strong position to tap into digital automatic couplers





~ 500k

Locomotives¹



Vast untapped future market in 2030+





DAC prototypes in testing

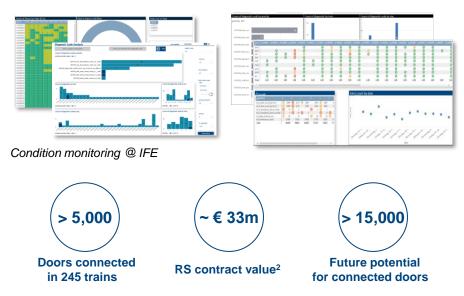
^{1.} Current numbers for EU market only, representing potential future market in Europe



Condition monitoring to become a major source of digital offering

Key performance of door systems defined by: **Availability** All doors in service Reliability Highest MTBF1 Passenger safety Safety functions fully operational

RVS helps customers to efficiently monitor and measure KPIs:





... Predictive maintenance to come next

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



KB with range of tailored solutions to support customers' green transition

KB as

enabler for CO₂ emission reductions

CVS: Active Caliper Release



Patented mechanical braking system

Automatically separates braking pads

Minimizes brake drag



- 20%

Fine dust emissions



- 1%

Fuel consumption

Comp

- 1t

CO₂-emissions per truck¹



Exemplary case studies

RVS: Intelligent HVAC System



- Energy-efficient air conditioning
- Smartly adjusts temperatures
- Uses heat pump technology, excess braking energy & natural refrigerants



- 30%

Energy

- 22%

CO₂-emissions a. in 30 years



- 19%

TCO² in 30 years

consumption p.a. in 30 years in 30 year

1. For average five-axle truck-trailer rig on long-distance service covering 100,000 km per year 2. Total cost of ownership; Note: Numbers are rounded





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

Strategic focus

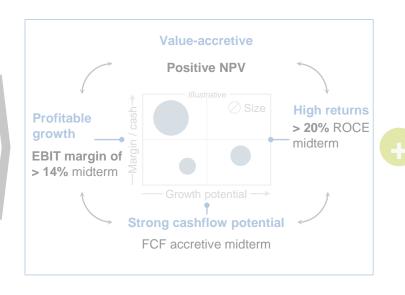


services and / or



Digital capabilities and / or solutions

Financial guardrails for larger transactions

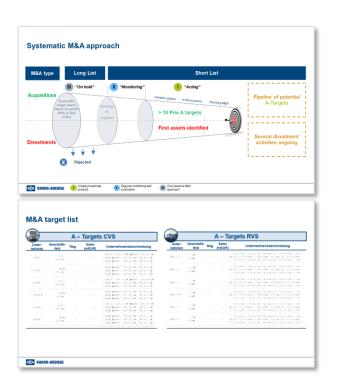


- No larger restructuring cases (< € 50m revenue)
- No significant barriers to integration
- Contribution of strong

 AM business
- Leverage must support investment grade of KB
- Expansion beyond
 RVS and CVS
 (Greenfield) only if KB is best owner



More than 10 Prio A M&A targets with total of € 1.2bn revenues identified



Status Quo

- Clear set of guardrails and M&A criteria defined
- Classification for RVS and CVS conducted, and Prio A and B targets defined to derive M&A shortlist
- Prio A targets with focus on timely execution
- Some targets additionally identified **outside current** scope
- **Ourrent pipeline:**



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

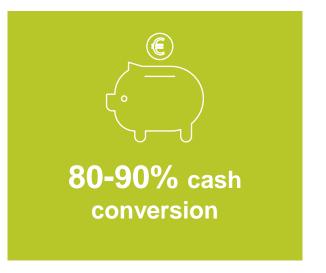


Targets 2026: Ambitious financial targets to drive value creation

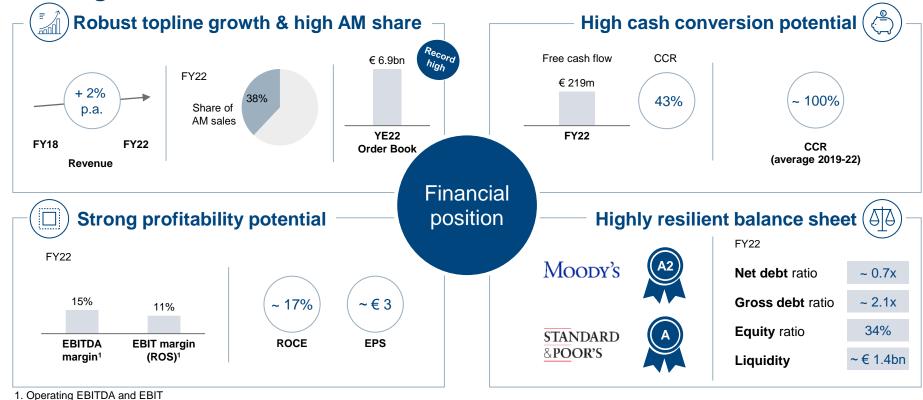
Strong capital goods company



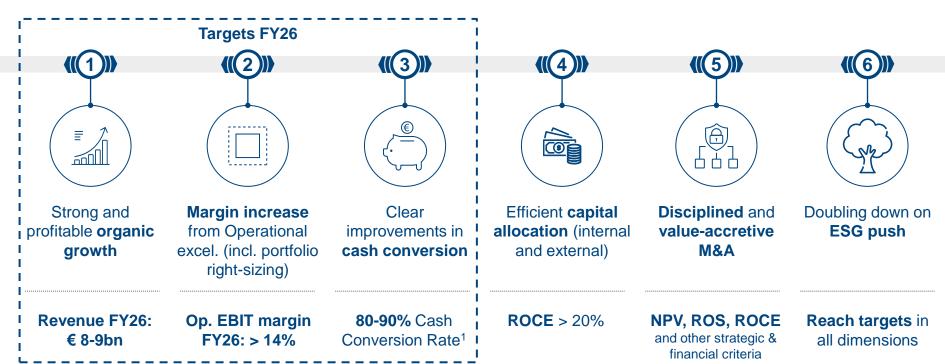




Status Quo | Despite a challenging environment, KB's very solid financials are a strong foundation for the transformation



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

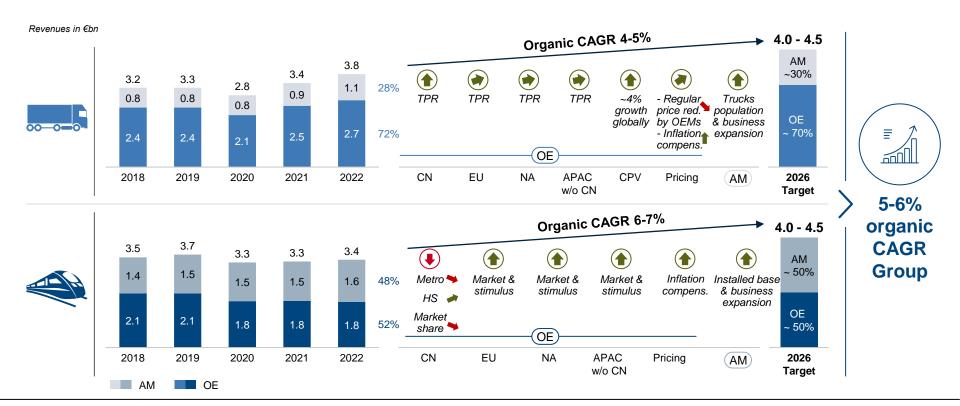


1. CCR: Cash Conversion Rate = FCF / Net Income





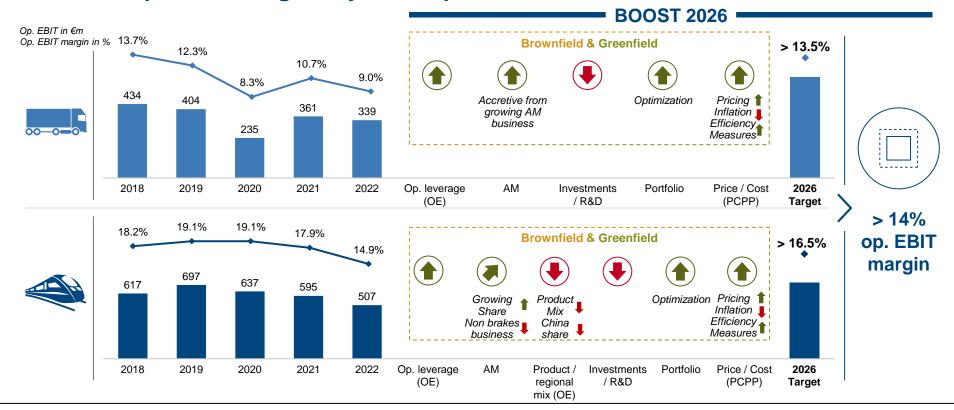
Organic Growth | Strong megatrends and product focus support organic growth path of RVS and CVS and result in an organic CAGR of 5-6%







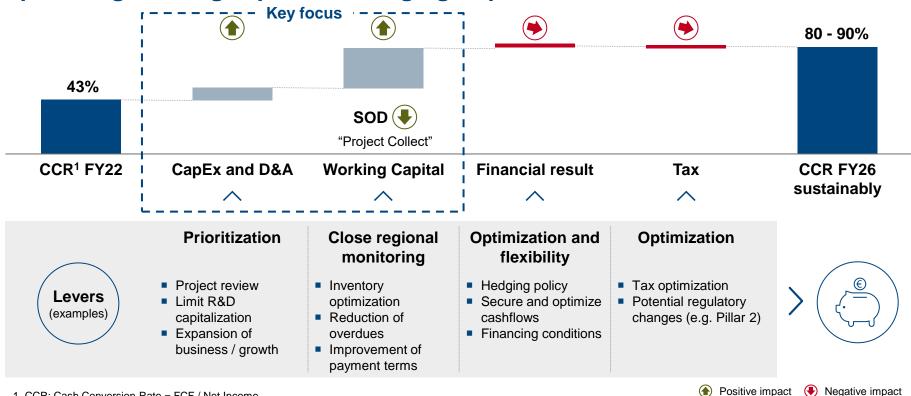
Profitability | Operating leverage, cost measures and portfolio optimization to increase op. EBIT margins by ~ 300bps

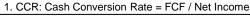






Cash Flow | We expect to lift our Cash Conversion Rate sustainably by optimizing working capital & managing CapEx







Positive impact



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





6-7% R&D ratio1



5-6% CapEx ratio¹









Internal capital allocation

- Net Present Value
- > ROCE
- Amortization

Return





Dividend payments (40-50% payout ratio)





Share buybacks

2 Inorganic growth (M&A)



Value-accretive (NPV)



Profitable growth and high **returns** (ROS / ROCE)



Cashflow potential (FCF)

1. In % of revenues





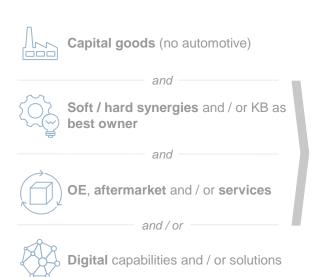
Level of priority



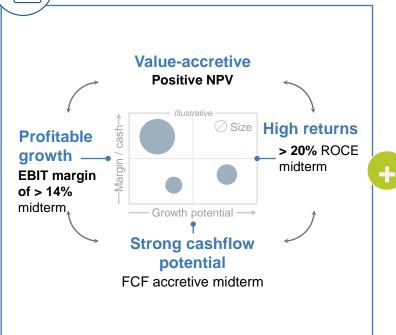


M&A | Disciplined approach based on a holistic set of updated M&A criteria will guide future acquisitions as add-on to organic growth

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



ESG | Clear measures and implementation timing defined to achieve ambitious and tangible targets

Objectives



- Enable green & safe mobility
- Significantly reduce emissions from scope 1-3



Key targets (examples)

Reduction of scope 1 and 2 emissions Reduction of scope 3 emissions



2030

- 25%

2030



- Improve diversity, equality and inclusion
- Increase employee safety

Women in overall workforce / managing positions

Accidents per 200k contracted working hours



≥ 2023 < 1



- Fully **integrate ESG in business** decisions & remuneration
- Assess & safeguard sustainability of suppliers

In STI & addit. targeted for LTI²

Of purchasing vol. covered by sustainability assessment



2025

≥ 2024



S&P Global 50/100

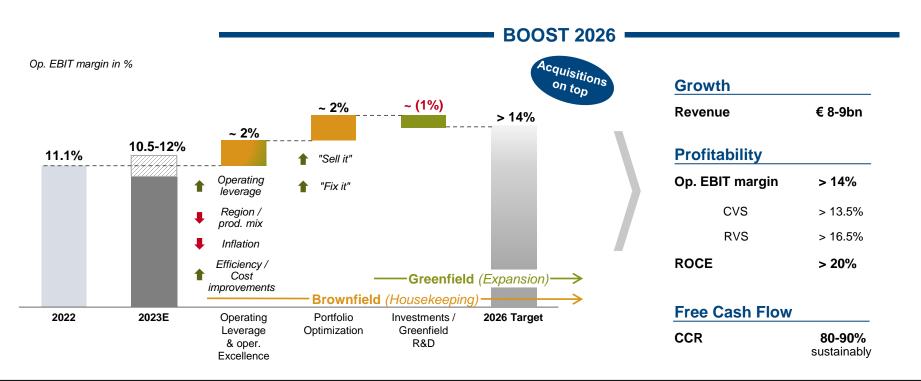
MSCI ⊕ AA

ISS ESG ▶ C+ (Prime)

1. STI = Short Term Incentive, LTI = Long Term Incentive



Targets 2026 | Above market growth and strong profitability improvements supported by BOOST program should lead KB to op. EBIT margin above 14%











2026 targets



> 14% op. EBIT margin

80-90%

Margin improvement is key priority



Highly resilient business with growth potential in AM



Long-term above market growth fueled by mega trends



Improvement of cash conversion rate



Solid balance sheet



Good & disciplined value-oriented M&A strategy

