



Knorr-Bremse Group

Knorr-Bremse Climate Strategy



Munich, April 2025

Introduction to Knorr-Bremse Climate Strategy



As a successful global player in the **mobility industry**, developing solutions for **safe, efficient, and sustainable transportation** is an integral part of Knorr-Bremse's corporate identity. By fulfilling our **aim** of taking a consistently **responsible** approach to employees, partners, the environment, and society, we are **making a contribution to sustainable development**.



We have **integrated sustainability** into the **strategy & business model** and **anchored it** as a **strategic, cross-cutting topic in the BOOST strategy program** to further strengthen our market position, innovation capacity, and operational resilience. To ensure access to the capital market at moderate costs, we have **implemented green financial instruments** in our **financing structure**.

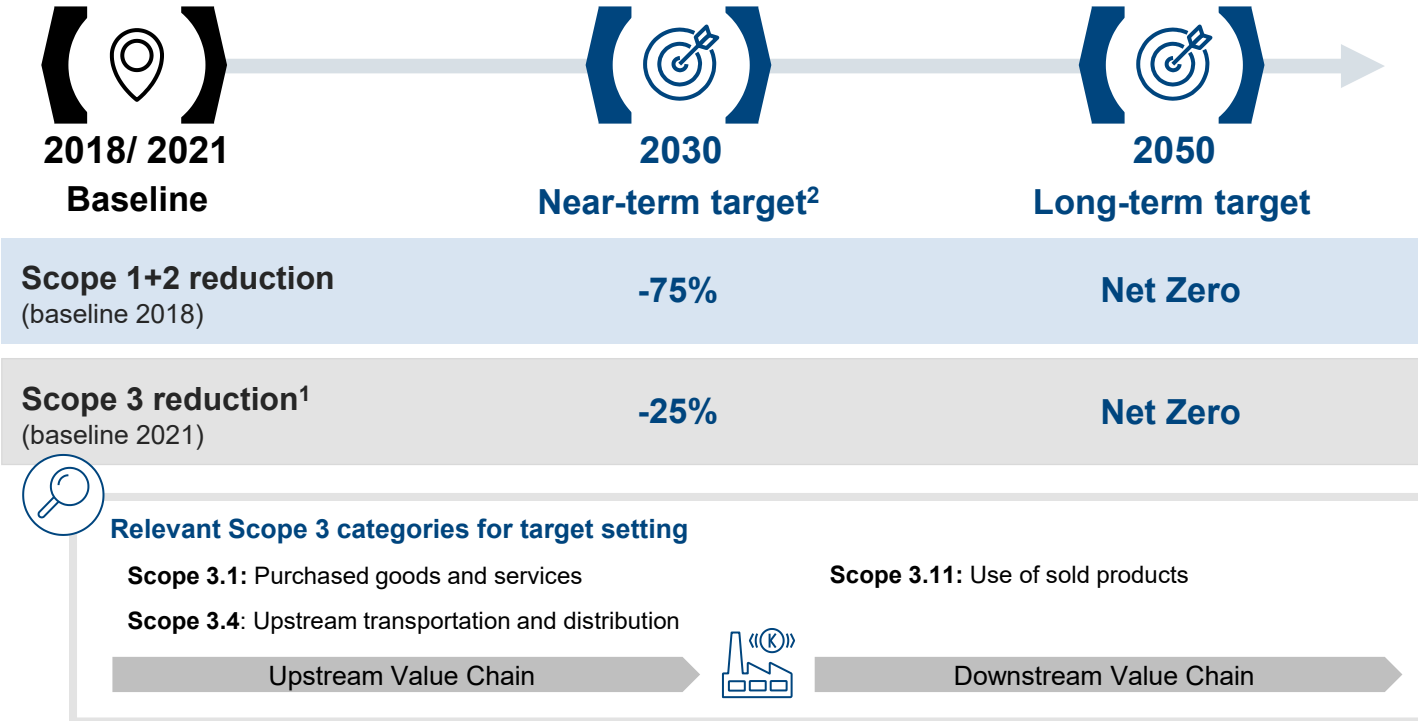


With our **Climate Strategy 2030**, we seek to contribute to the 2015 UN Paris Agreement target of **limiting global warming** to significantly well below 2 degrees Celsius and, in a best-case scenario, to a maximum of 1.5 degrees Celsius. We have **anchored corresponding targets, actions, and programs** in a **transition plan** for climate change mitigation.



A key instrument to **achieve our Climate Strategy 2030** as well to reach **net-zero by 2050** is our **Transition Plan**. Knorr-Bremse has **integrated the Climate Strategy** into **corporate thinking**: through **local climate protection** measures, **the further development of the product portfolio** for emission-free mobility, **sustainable investments** or and **efficient production processes**.

Our way to net zero – We set ourselves ambitious near-term as well as long-term targets and continuously strive to improve our ESG ratings



Six levers identified to achieve GHG reduction target 2030 for Scope 1-3

 **Increase of CO2e efficiency and energy efficiency:**

energy efficiency measures and use of low-carbon fuels or zero-emission forms of energy in heating systems and in the fleet

 **Self-generation of renewable energy:**

investments in measures to increase the share of our own renewable energy produced at Knorr-Bremse locations

 **Purchase of renewable energy:**

Increase in the share of renewable energy purchased through green power tariffs, power purchase agreements, and green electricity certificates



 **Decarbonization of the supply chain:**

procurement of production material with low GHG emissions, such as green steel or materials with a high proportion of recycled content, improvement of our suppliers' energy efficiency in production, and decarbonization of transportation

 **Increase of product efficiency and decarbonization of the use phase:**

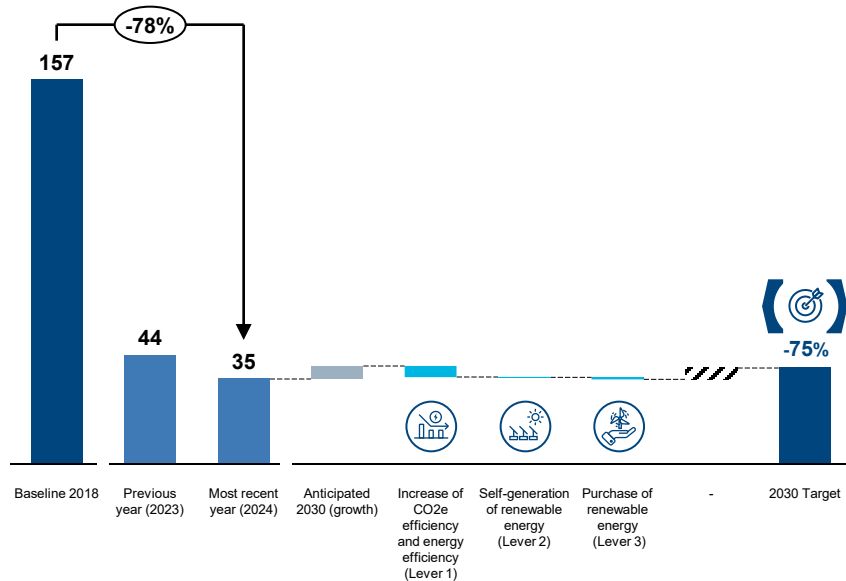
increasing our products' energy efficiency and conversion or further adaptation of our portfolio to products with low energy consumption or zero emissions

 **Decarbonization of the electricity mix in the countries of use:**

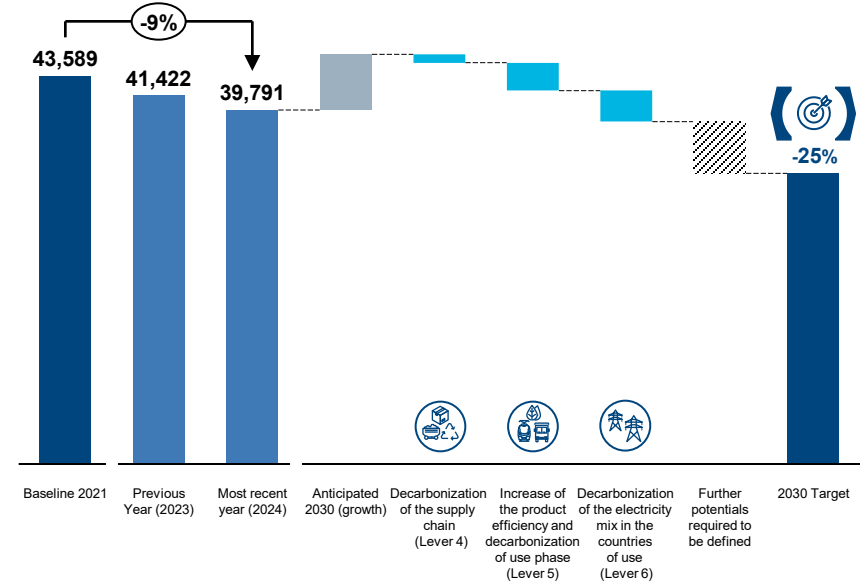
this passive lever is not directly within our control, but we are examining the effects on our carbon footprint in detail

With our Transition Plan we are continuously investigating and tracking GHG reduction potentials – Status FY 2024

Scope 1+2 - Reductions planned in own operations
[Tsd. t CO₂e]



Scope 3 - Reductions expected in value chain
[Tsd. t CO₂e]



Key insights FY 2024



Increasing renewable electricity share

Approximately **99% of the electricity** supplied to Knorr-Bremse came from **renewable energy sources** via **green electricity contracts** or **certificates**.



Increasing own generation of renewable electricity

We **operate photovoltaic systems** at **18 locations** which contribute to self-generated electricity from renewable sources. In 2024, the volume produced came to **~ 9.6 GWh**, equivalent to approximately 3% of the overall volume of electricity consumed.



Declining fossil energy demand

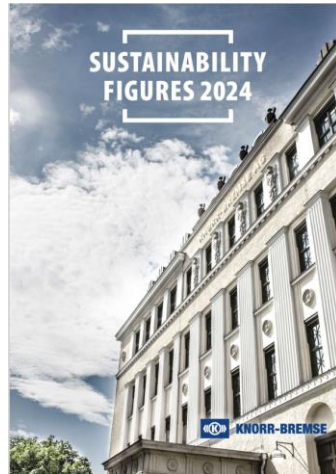
Knorr-Bremse recorded total energy consumption of 479 GWh. This is equivalent to an approximately 1% increase compared with the previous year. The total consumption of **fossil energies fell by ~ 13%** to 152 GWh at the same time.



Declining GHG emission in own operations as well as along the value chain

We continuously implement actions to achieve our Scopes 1 to 3 emission reduction targets. As a result, we were able to **reduce** our **Scope 1 and Scope 2** emissions by **~ 78%** and our **Scope 3** emissions by **~ 9%** compared to the respective baseline years

For more information, refer to our Sustainability Reporting



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

Sustainability Figures 2024