

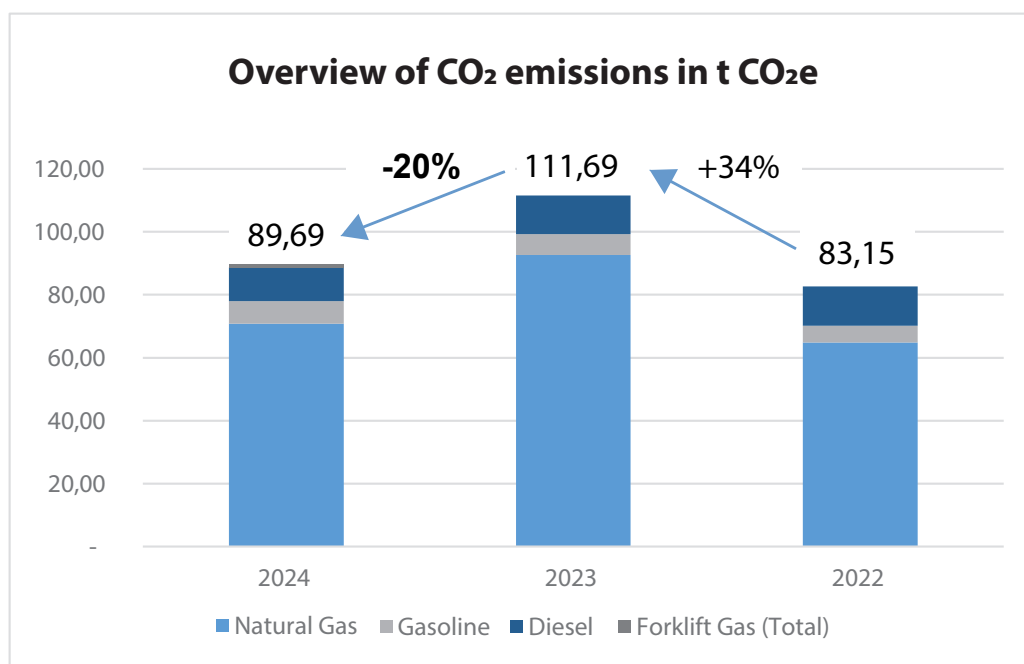
Carbon Footprint at Rhein-Getriebe

Rhein-Getriebe is actively committed to climate protection. Sustainable business practices and a responsible approach to fossil energy sources are essential to us. To underline our commitment, we focus not only on reducing emissions at our site, but also support regional peatland protection efforts. Peatlands are vital to the global climate due to their natural ability to store carbon.

In calculating our CO₂ emissions, we refer to Scopes 1 and 2 under the Greenhouse Gas Protocol. Our base year is 2022. All emissions arising from our operations fall within Scope 1, primarily due to natural gas for heating, gasoline and diesel for our vehicle fleet and propane gas used for forklifts. Scope 2 emissions are ecologically irrelevant for us, as we use certified green electricity.

Carbon Footprint

Our operational CO₂ emissions in 2024 amounted to 89.69 tons of CO₂e, and are consistent with our average annual emissions.



In 2023 our CO₂ emissions were 34% higher than in the previous year.

This was due to a malfunction in our heating system, which led to an increased demand for natural gas (+23%) to maintain indoor temperatures.

At the end of 2023, we installed a new gas-powered heating system. It now heats a building area that is one-third larger than the previous system. However, our emissions from natural gas combustion have only increased by 11% compared to 2022 – a clear efficiency gain.

To further improve efficiency, we retrofitted the roofs of all production, storage and assembly halls in 2024 with additional insulation. This upgrade covered approx. 1,340 m².

We aim to further reduce emissions by optimizing our heating. Key structural potentials include our facade and window systems. However, any intervention must consider the building chemistry of our facilities. Our buildings were constructed in the 1950s, 70s, and 80s. Modifications affecting air permeability, insulation, or vapor barriers can quickly lead to moisture and mold issues. Any changes must therefore be made with great care and technical review.

In 2024, forklift gas consumption increased by 250%. One of our warehouse heating units failed for several weeks, requiring the use of gas-powered hot air blowers..

Electricity Consumption and Efficiency

Over the past years, we have significantly reduced our CO₂ emissions from electricity use, as we have been sourcing 100% green electricity for five years. This makes the operation of our electric air heaters climate neutral.

Still, for economic reasons, we are gradually replacing electricity-intensive infrastructure with more energy-efficient alternatives. Examples include: Modernized lighting systems and installation of motion detectors in several areas.

In both 2023 and 2024, we expanded our fleet with electric and hybrid vehicles. These are charged on-site and have increased our electricity consumption, but we still report a downward trend in total power usage.

Further reductions in our electricity consumption are difficult to realise due to the specifications of our machinery, which are determined by the manufacturers.

	2024	2023	2022
Electricity consumption in kWh	282.406	296.629	310.322
Change in %	-4,7%	-4.5%	-

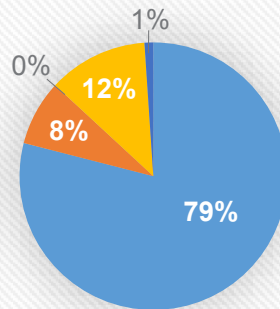
Although the electricity we use is climate-neutral, we still identify potential for cost optimization. That's why we decided to install a photovoltaic system on our roof in 2025.

The system will not yet cover 100% of our energy demand – complete autonomy is not currently feasible.

Due to the age of our buildings and permissible roof loads, the number of solar panels we can install is initially limited.

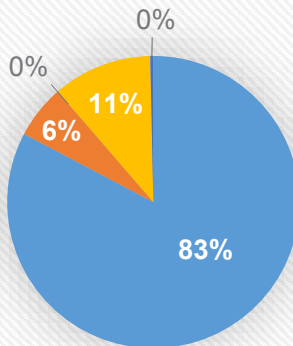
Detailed overview of emission source distribution

CO₂ Emissionen Source 2024



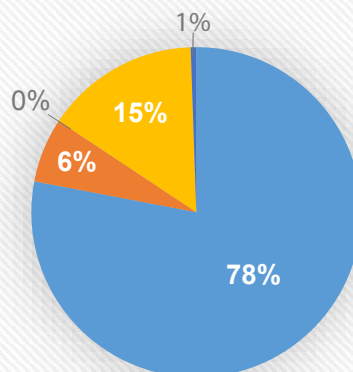
■ Natural Gas ■ Gasoline ■ Diesel ■ Forklift Gas (Total)

CO₂ Emissionen Source 2023



■ Natural Gas ■ Gasoline ■ Diesel ■ Forklift Gas (Total)

CO₂ Emissionen Source 2022



■ Natural Gas ■ Gasoline ■ Diesel ■ Forklift Gas (Total)