



# Info

**Bürkle GmbH: Report 2024 on Scope 1 und Scope 2 Emissions**

This report aims to transparently present the company's Scope 1 and Scope 2 emissions to our stakeholders and explain the measures taken to reduce emissions.

## **Scope 1 emissions**

Scope 1 emissions include all direct greenhouse gas emissions resulting from Bürkle GmbH's activities. This includes emissions from the combustion of fossil fuels for heating and vehicles, as well as emissions from industrial processes.

### **Key figures for Scope 1 emissions (2023):**

- CO<sub>2</sub> emissions from heating: 17.43 t CO<sub>2</sub>e
- CO<sub>2</sub> emissions from vehicles: 14.5 t CO<sub>2</sub>e
- CO<sub>2</sub> emissions from industrial processes: 4.60 t CO<sub>2</sub>e
- Total Scope 1 emissions: 36.5 t CO<sub>2</sub>e

### **Measures to reduce Scope 1 emissions:**

- **Energy-efficient heating:** Air conditioning systems can not only cool but also heat. The air conditioning system extracts heat energy from the outside air and transfers it to the indoor air. The efficiency of energy conversion is indicated by the SCOP value (Seasonal Coefficient of Performance). The SCOP value at Bürkle GmbH is between 3.5 and 4, meaning that up to 4 kWh of heat can be generated from 1 kWh of electricity.

## Scope 2 emissions

Scope 2 emissions include indirect greenhouse gas emissions from the consumption of purchased energy, particularly electricity.

### Key figures for Scope 2 emissions (2023):

- **CO<sub>2</sub> emissions from electricity consumption:** 0 t CO<sub>2</sub>e
- **Total Scope 2 emissions:** 0 t CO<sub>2</sub>e

### Measures to reduce Scope 2 emissions:

- **Photovoltaic system:** With over 1000 m<sup>2</sup> of solar panels and more than 1240 hours of sunshine per year in Bad Bellingen, we supply our power source and reduce our CO<sub>2</sub> emissions by more than 136 tons annually.
- **Renewable energy:** We use green electricity, making our electricity consumption 100 percent emission-free.

Bürkle GmbH is actively committed to climate protection and aims to continuously reduce its emissions. By implementing the measures mentioned above, we have already made significant progress and will continue to work towards ensuring our climate neutrality.

