

# CO<sub>2</sub>-Report 2025

## 1. CO<sub>2</sub> Balance Sheet of PRIMES GmbH

### 1.1. Base year

The emissions were recorded for the period from January 1<sup>st</sup>, 2025 to December 31<sup>st</sup>, 2025. The carbon footprint for 2023 was without coronavirus-related restrictions compared to previous years, which is why 2023 will be used as the base year for this report.

### 1.2. Location

Pfungstadt (Germany)

PRIMES has 2 company buildings on this site. Both are included in the calculation.

### 1.3. Scope

This CO<sub>2</sub> report takes emissions from the following sources into account:

- Heating,
- Electricity consumption and production,
- Business travel,
- Company cars (business use)

Most of the cooling systems for the LASERs and the heating and cooling of the building is provided by two cisterns outside the building in combination with a heat pump and concrete core activation of the ceilings. The remaining heating requirements are covered by gas heating. The consumption for additional air conditioning systems is included in as power consumption.

With the exception of business trips, emissions from the upstream and downstream value chain are not included in the balance sheet, as PRIMES has no direct influence on them.

### 1.4. Data sources

The data for the preparation of the balance sheet was determined or estimated from the gas and electricity invoices, business trip bookings and the mileage of company cars. The calculation factors for air/bus/rail transport were derived from data from the Federal Environment Agency ([www.probas.umweltbundesamt.de/einblick/](http://www.probas.umweltbundesamt.de/einblick/)).

## 2. CO<sub>2</sub> Calculations

Typ	Amount	Factor	Total, kg CO <sub>2</sub>	Comparison to reference year
Heating (gas)	748 m <sup>3</sup>	2,0 kg CO <sub>2</sub> /m <sup>3</sup>	1.496	- 60%
Poer usage (total)	222.309 kWh	0,405 kg CO <sub>2</sub> /kWh	90.035	+15%
Power usage (external source)	128.025 kWh			+2%
Power generation (photovoltaic)	-398.670 kWh	0.405 kg CO <sub>2</sub> /kWh	-161.461	+89%
Business trips by air	215.260 km	0,117 kg/Person*km	25.185	- 14%
Business trips by car	67.746 km	fahrzeugspezifisch	10.173	- 28%
Total			<b>- 34.484</b>	<b>- 190 %</b>

## 3. Summary

**We compensate our measurable CO<sub>2</sub> output completely by electricity generation from our photovoltaic systems.**

PRIMES GmbH had a total of 134 employees (including trainees) as at the reporting date of 31.12.2025. We had emissions of less than **-257 kg CO<sub>2</sub>/year** per employee. On average, every German emits over 10,400 kg of CO<sub>2</sub> per year.

The CO<sub>2</sub> balance for 2023 is the base year for this report. Travel activities in sales have returned to normal after coronavirus. The higher electricity consumption is mainly due to increased production and the switch from gas to heat exchange pumps as the main heat supplier.

## 4. Goals for 2026

- Reduction of CO<sub>2</sub> emissions by optimizing business trips.
- Reduction in electricity consumption through targeted switching off night time consumers.
- Reduction of reactive current by revising the device infrastructure.
- Further increase own use of photovoltaic electricity.