

Certificate

Süwag CO₂-Check

Greenhouse Gas-Balance (GHG)

The GHG-Balance was prepared in accordance with the internationally recognized GHG Protocol (Greenhouse Gas Protocol) of the WRI (World Resource Institute) and the WBCSD (World Business Council for Sustainable Development) as well as the ISO 14064-1 based on it.

The **accounting period is 2025.**

269 tons of CO_{2e} were determined for this observation period.

Customer data:

Sensoplast Packmitteltechnik GmbH

Auf dem Höhchen 1-5
56587 Oberhonnefeld

Frankfurt/M, 03/30/2026



Mario Beck
managing director



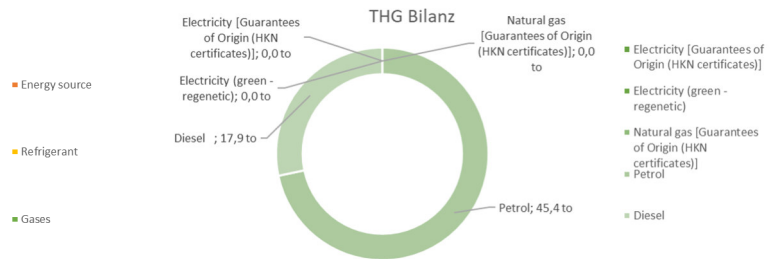
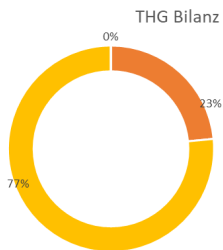
Lars Jenner
head of Energy+ Engineering und Beratung

THG-Source (Energy Source)	Activity data (Quantity)	Acquisition unit	Quantity in kWh	specific CO ₂ -Factor ¹⁾	t CO ₂ e	Scope	Data quality
Electricity [Guarantees of Origin (HKN certificates)]	2.450.789,0	kWh	2.450.789 kWh	0,000 kg/kWh	0,0 to	2	Measurement
Electricity (green - regenetic)	368.988,0	kWh	368.988 kWh	0,000 kg/kWh	0,0 to	2	Measurement
Natural gas [Guarantees of Origin (HKN certificates)]	201.706,0	kWh	201.706 kWh	0,000 kg/kWh	0,0 to	1	Measurement
Petrol	19.057,0	Liter	171.894 kWh	0,264 kg/kWh	45,4 to	1	Measurement
Diesel	6.745,0	Liter	67.180 kWh	0,266 kg/kWh	17,9 to	1	Measurement
					3.260.557 kWh	63,3 to	Scope 1+2

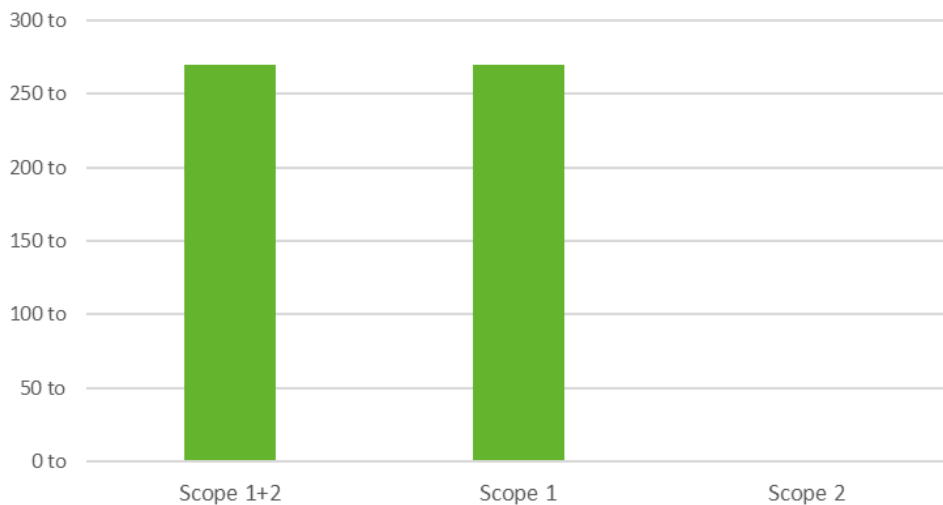
THG-Source (Refrigerant)	Activity data (Quantity)	Acquisition unit	specific CO ₂ -Factor ¹⁾	t CO ₂ e	Scope	Data quality
R134a	59,56	kg	1.430 kg/kg	85,2 to	1	Measurement
R513A	192,00	kg	630 kg/kg	121,0 to	1	Measurement
				206,1 to	Scope 1	

THG-Source (Gases)	Activity data (Quantity)	Acquisition unit	specific CO ₂ -Factor ¹⁾	t CO ₂ e	Scope	Data quality
Carbon dioxide (CO ₂)	82,00	kg	1 kg/kg	0,1 to	1	Estimate
				0,1 to	Scope 1	

THG-Balance	Scope 1+2	Scope 1	Scope 2
Energy source	63,3 to	63,3 to	0,0 to
Refrigerant	206,1 to	206,1 to	0,0 to
Gases	0,1 to	0,1 to	0,0 to
	269 to	269 to	0 to



THG by Scopes



Explanations:

The unit of measurement for greenhouse gas (GHG) emissions is calculated in carbon dioxide equivalents (CO₂e) in tonnes.

Consistent emission factors ensure the comparability of emissions developments.

To determine the carbon dioxide equivalents (CO₂e) in the present GHG balance, the emission factors from the following publicly accessible databases were used:

- UBA – Umweltbundesamt
Annually updated emission factors for fossil fuels, biogenic sources and power.
- BMWi – Bundesamt für Wirtschaft und Ausfuhrkontrolle
Regularly updated CO₂-factors for energy sources.
- DBEIS – Department for Business, Energy & Industrial Strategy
Annually updated emission factors for various fields within company-relevant processes.