

Greenhouse Gas Inventory & Reduction Targets

Base year 2024 | Status 2026 | Public summary

Huba Control records greenhouse gas emissions at its Würenlos site and pursues a long-term reduction pathway. Accounting is aligned with the GHG Protocol Corporate Standard and linked to the EnAW target agreement through 2034.

Inventory boundary and baseline

Organisation	Huba Control AG
Site	Würenlos, Switzerland
Inventory boundary	Huba Control AG, Würenlos; other Huba Control Group companies are not included.
Base year / target year	2024 / 2034 (EnAW)

2024 emissions

Scope 1 – direct emissions	87.5 t CO ₂ e
Scope 2 – purchased electricity (market-based)	106.3 t CO ₂ e
Scope 3 – quantified categories	81,924 t CO ₂ e
Scopes 1 + 2 (management indicator)	193.8 t CO ₂ e

Interpreting Scope 3

Of the 81,924 t CO₂e quantified, approximately 12,448 t CO₂e are upstream and 69,476 t CO₂e downstream. The high downstream share mainly results from the modelled electricity use of products sold in 2024. Conservative assumptions include a ten-year service life, continuous operation and maximum electrical power consumption. These figures are estimates, not emissions measured at customer sites.

Calculation basis

Scope 1 is based on heating-oil consumption for building heating. Scope 2 reflects purchased grid electricity after own PV generation; the 2024 market-based calculation uses the confirmed emission factor of 29.66 g CO₂e/kWh for Hydro+ / Swiss hydropower. For Scope 3, categories 1, 2, 3, 4, 5, 7, 9, 11 and 12 were quantified.

Reduction targets and measures

Scope 1 and Scope 2 targets are based on the 2024 baseline and the EnAW pathway through 2034. The Scope 2 pathway also accounts for additional electricity demand associated with the planned heat pump.

Targets and milestones

2024 – baseline	Scope 1: 87.5 t CO ₂ e; Scope 2: 106.3 t CO ₂ e
2026 – electricity product	Hydropower-based electricity product; annual documentation of emission factor
2030 – heat pump	Scope 1: 0.0 t CO ₂ e; Scope 2: ≤ 108.0 t CO ₂ e
2034 – EnAW target year	Scope 1: 0.0 t CO ₂ e; Scope 2: ≤ 100.7 t CO ₂ e; overall energy efficiency (GEV): 105.25%

Key measures

- Replace oil-fired heating with a heat pump by 2030.
- Continue the EnAW energy-efficiency programme through 2034.
- Optimise PV generation, self-consumption and grid electricity purchases.
- Document the electricity product and its emission factor annually.

Further development of Scope 3

The existing 2024 Scope 3 inventory is to be reviewed and, where feasible, updated as data becomes available. We also aim to increase the coverage of strategic suppliers within the supplier assessment system. Quantitative Scope 3 reduction targets have not yet been established.

Traceability and annual review

Emissions data, targets, measures and underlying calculation assumptions are reviewed within the annual QEHS review. Energy indicators and target achievement are documented through EnAW monitoring. Methodology changes and adjustments to reporting boundaries are documented for traceability.