Ohly GmbH

Scope 1 – 2 Emissions Reduction Roadmap to 2030

Hamburg Production Site, Scope 1+2

Baseline: 2018 | Target year: 2030 | Last updated: 28 October 2026

This document sets out Ohly GmbH's roadmap for Scope 1 and Scope 2 emissions reduction for the Hamburg production site. Ohly's Scope 3 target-setting process is described separately in section 6.

1. Scope and Baseline

1.1 Coverage

Site: Hamburg production site, Germany

Emissions covered: Scope 1 (direct emissions from combustion and on-site processes) and Scope 2 (indirect emissions from purchased electricity)

Not included are Scope 3 emissions (e.g., purchased goods, logistics, product end-of-life), which account for the majority of Ohly's total footprint at this site.

Methodology: Scope 1+2 emissions are calculated in line with the principles of the GHG Protocol Corporate Standard, using the financial control approach.

Data note: Ohly's Scope 1+2 figures below are calculated in-house from gas invoices (Scope 1) and the German Federal Environment Agency (UBA) electricity factors (Scope 2). Scope 1 figures are expressed as CO_2e (other greenhouse gases immaterial for natural gas combustion). Scope 2 figures use the UBA CO_2e grid factor (all Kyoto gases from grid electricity generation included); other greenhouse gases are considered immaterial for this site according to our internal analysis.

Scope 1 completeness note: The Hamburg site's Scope 1 sources have been reviewed for completeness. The site operates no emergency generators, and refrigerant-containing equipment is checked regularly with no leaks identified to date. These sources are therefore not material to the Scope 1 total and are not reported as a separate line item.

Biogenic CO_2 note: Biogenic CO_2 emissions (from fermentable sugars in molasses) have been tracked as a memo item since FY 2018/19. Consistent with GHG Protocol guidance, these are reported separately and excluded from the Scope 1 total. A figure for the FY 2017/18 baseline year is not available, as this tracking only began the following fiscal year.

Base year recalculation policy: The FY 2017/18 baseline will be recalculated if a structural change (e.g., site acquisition, divestment, or outsourcing) or a change in calculation methodology or emission factor source would shift reported Scope 1+2 emissions by more than 5%, consistent with common GHG Protocol practice guidance.

Note: Ohly´s Boyceville (USA) site initiated carbon disclosure with a 2023 baseline. Scope 1+2 targets for Boyceville are under development and will be published separately.

1.2 Baseline Data

	Scope 1 (t CO_2e)	Scope 2 (t CO_2e, market-based)	Scope 2 (t CO_2e, location-based)	Total (t CO_2/t CO_2e, market-based)	Total (t CO_2/t CO_2e, location-based)	Notes
Baseline year 2018 (FY 2017/18)	11,461	9,295	9,994	20,756	21,454	Ohly-internal calculation, UBA electricity factor for location-based emissions. Electricity invoices for market-based emissions. No renewable electricity procurement yet in FY 2017/18, CO_2e-factor for natural gas from UBA
Most recent FY (FY 2024/25)	10,926	0	7,490	10,926	18,416	100% renewable electricity since 1 January 2022 (RE100 commitment; market-based = 0). FY 2021/22 was a partial-coverage transition year. The location-based figure is based on the provisional UBA grid factor for FY 2024/25 (361 g CO_2e/kWh for Sept–Dec 2024, 352 g CO_2e/kWh provisional for Jan–Aug 2025; source: Umweltbundesamt), applied pro-rata across the fiscal year. This figure will be updated once the UBA publishes final (non-provisional) data.
Reduction most recent FY vs. baseline year 2018	−4.7%	−100%	−25.1%	−47.4%	−14.2%	Both market-based and location-based figures are reported in line with the GHG Protocol's dual reporting requirement for Scope 2.

All figures per Ohly's internal GHG Protocol-aligned calculation.

2. Reduction Target

Target: Net zero Scope 1+2 emissions at the Hamburg site by 2030, measured against the 2018 baseline.

Ohly targets net zero Scope 1 and Scope 2 emissions at the Hamburg site by 2030, compared with the 2018 baseline of 20,756 t CO_2e. Based on the currently planned technical pathway, remaining Scope 1 and Scope 2 emissions before addressing technically unavoidable residual emissions are conservatively estimated not to exceed approximately 2,100 t CO_2e per year. Emissions are consolidated using the financial control approach, and Scope 2 emissions are reported using the market-based method in line with the GHG Protocol Corporate Standard.

Based on currently available UBA emission factors for stationary biogas combustion, the estimated residual Scope 1 GHG emissions are primarily associated with CH_4 and N_2O emissions from the planned use of self-generated biogas. These emissions are included in the Scope 1 inventory. The feasibility of developing a site-specific emission factor will be evaluated as part of the project, and the estimate may be refined once sufficient operational data are available.

Biogenic CO_2 emissions from biogas combustion are not included in this Scope 1 figure and will be reported separately in accordance with the applicable GHG accounting methodology. As the final biogas production volume

and operating conditions have not yet been established, future biogenic CO_2 emissions from the planned project have not yet been quantified.

The use of self generated biogas is a core measure of Ohly's decarbonisation roadmap. To achieve the stated net zero Scope 1 and Scope 2 target, technically unavoidable residual GHG emissions remaining at the target date will be addressed in accordance with the applicable requirements of the net zero framework applied at that time.

The target covers Scope 1 direct emissions and Scope 2 emissions from purchased electricity at the Hamburg site. Scope 3 emissions, including purchased goods, logistics and product end-of-life, are outside the boundary of this site specific 2030 target.

Progress to date: −47.4% combined Scope 1+2 emissions (market-based) vs. 2018 baseline, as of FY 2024/25. The Scope 2 reduction (−100%) has been achieved entirely through direct renewable electricity procurement (RE100 commitment, since 1 January 2022), not through offsetting or avoided-emission claims outside Ohly's own value chain. The remaining Scope 1 reduction reflects operational efficiency measures (see Section 4).

This target covers:

• All direct combustion emissions at the Hamburg site (Scope 1)

• All purchased electricity (Scope 2, market-based method)

Scope 3 targets: Ohly is in the process of defining Scope 3 reduction targets in alignment with the ABF Group net zero ambition by 2050.

Note: Net zero' in this document refers specifically to the stated Scope 1 and Scope 2 target boundary for the Hamburg production site. Priority is given to reducing emissions through operational measures. Any technically unavoidable residual GHG emissions remaining at the target date will be addressed in accordance with the requirements of the applicable net zero framework. Biogenic CO_2 emissions are reported separately and are not included in the Scope 1 total.

3. Progress to Date

Milestone	Target / Description	Status	Year
Baseline measurement	GHG Protocol Scope 1+2 baseline established for Hamburg (11,461 t Scope 1 / 9,295 t Scope 2)	✓ Complete	2018
100% renewable electricity	Switch to 100% renewable electricity at Hamburg site (RE100, 1 January 2022); Scope 2 market-based reduced to 0	✓ Complete	2022
LED lighting	Site-wide conversion, minor contribution	✓ Complete	2023
ISO 50001 certification	Energy management system certified at Hamburg site	✓ Complete	Ongoing
ISO 14001 certification	Environmental management system certified at Hamburg site	✓ Complete	Ongoing
PCF calculation (ClimatePartner)	Product carbon footprints for 3 product groups (ClimatePartner-certified); updated Aug 2025 with supplier-specific ammonia emission factor	✓ Complete, update confirmed	2023 / updated 2025
EcoVadis Bronze	Hamburg site independently assessed — Bronze rating	✓ Complete	2025
Heat recovery (molasses line)	Recovers waste heat, reduces natural gas demand	✓ Complete	2025
Scope 1+2 interim progress	−47.4% combined Scope 1+2 emissions (market-based) vs. 2018 baseline	✓ On track	FY 2024/25

Milestone	Target / Description	Status	Year
On-site spray dryer	Reduces transportation miles, improves energy efficiency	✓ Complete	2026
Independent third-party verification	Independent certification body to verify the roadmap underpinning Ohly's net zero 2030 target	✓ Complete	Sept 2026
New fermentation facility	Improved thermal energy design, lower emissions per tonne, planned completion and operation in 2027	In progress	2027
Scope 3 targets	Definition and publication of Scope 3 reduction targets	In progress	TBD
Natural gas phase-out	Process energy recovery (supported by City of Hamburg, ~11,000 t CO_2/year) and further measures	In progress	2029
net zero Scope 1+2	Hamburg site net zero Scope 1+2	Target	2030

4. Planned Reduction Measures

The following measures are planned or under evaluation to achieve the 2030 target. This list will be updated annually as measures are confirmed and implemented.

4.1 Energy — Natural Gas Phase-Out

Process energy recovery: Ohly is participating in a project supported by the City of Hamburg to replace natural gas. Expected contribution: up to approximately 11,000 t CO_2/year. Timeline: expected commissioning 2029.

Further measures: Additional technical measures to eliminate remaining natural gas use are under evaluation. Details, including estimated CO_2 reduction contributions and related timelines, will be published once projects are confirmed.

4.2 Manufacturing Efficiency

On-site spray dryer, in regular operation since July 2026: Expected to reduce transportation miles and improve energy efficiency. Verified performance data will be published once the first full operating year has been assessed.

New fermentation facility, planned completion and operation in 2027: Improved thermal energy design, expected to lower emissions per tonne of product. Verified performance data will be published once the first full operating year has been assessed.

4.3 Logistics and Transport

EV charging infrastructure: Installed at Hamburg site (expansion to eight chargers in 2025) to support transition of employee and fleet vehicles to lower-emission alternatives.

Logistics optimisation: Ongoing review of distribution routes and modal choices to reduce Scope 1 transport emissions.

5. Monitoring and Reporting

Ohly commits to the following monitoring and reporting arrangements

5.1 Budget Planning and Approval

Integration into budgeting and approval process: All confirmed emissions reduction measures are incorporated into Ohly’s annual budget planning process and assessed alongside other capital and operational investment priorities. Proposed measures, expected emissions reductions, costs, and implementation timelines are reviewed as part of the

regular budgeting cycle. The resulting budget plan is subject to annual management review and approval. Through this process, Ohly ensures that measures are formally evaluated, financially resourced where approved, and reviewed on at least an annual basis. Based on the outcome of the annual review, the budget plan and the roadmap are updated as necessary.

5.2 Roadmap Monitoring

Annual update: This roadmap will be updated annually with the latest emissions data and progress against milestones.

Data calculation: Scope 1+2 emissions are calculated in-house using the GHG Protocol Corporate Standard. Methodology and underlying data are reviewed annually.

Independent third-party verification: Ohly engaged the independent certification body TÜV NORD to verify this roadmap in September 2026. The verification covers: (i) the accuracy of the Scope 1 and Scope 2 baseline and reported emissions data set out in Section 1; (ii) whether the 2030 target and interim milestones in Sections 2 to 4 are measurable and time-bound; and (iii) the consistency of the calculation methodology with GHG Protocol principles.

5.3 Further Reporting (ClimatePartner — Not Part of This Roadmap)

The following ClimatePartner-related reporting runs as a separate initiative alongside this Roadmap, using a different reporting period (Aug–Aug "HSE year") and different emission factor sources (ecoinvent/DEFRA) than the fiscal-year figures in Sections 1–4.

The information is included here for completeness and customer reference but does not form part of Ohly's Scope 1+2 targets or the progress tracking (see Sections 2–3). Figures below should be treated as ClimatePartner's independent Carbon Footprint calculation, not as a substitute for the Ohly-internal baseline.

Corporate Carbon Footprint (CCF): ClimatePartner most recently calculated a full corporate carbon footprint for Aug 2023 – Aug 2024, shown below. Scope 1 and 2 figures differ slightly from Ohly's own Section 1 calculation due to the different reporting period and emission factor sources noted above.

Scope	t CO_2e Aug 2023 – Aug 2024 (HSE year)	Share
Scope 1	10,723	32.1%
Scope 2	0	0.0%
Scope 3	22,725	67.9%
Overall result	**33,448**	**100%**

Product Carbon Footprints (PCF): PCF values for ClimatePartner-certified product groups are independently calculated and certified by ClimatePartner, and published at climate-id.com/CD3D8N, /38SCUQ, /3846WB.

6. Scope 3 — Status and Forward Plan

Scope 3 target setting: Scope 3 reduction targets are being developed in alignment with the ABF Group net zero ambition by 2050.

SBTi: Ohly has not yet committed to submitting targets for Science Based Targets initiative (SBTi) validation. This option is reviewed on a regular basis (at least annually, and on an ad-hoc basis as relevant developments arise).

Customer support: Ohly's ClimatePartner-certified product carbon footprints (PCF) are available to customers to support their own Scope 3 calculations.

7. Contact and Further Information

Sustainability contact: Lene Kruse, Global HR & Sustainability Director; Niclas Büscher, ESG Lead

Website: https://www.ohly.com/en/sustainability/planet/our-emissions-reduction-roadmap/

This document was last updated on 28 October 2026. It will be reviewed and updated at least annually. An external verification is done annually. For queries regarding the data or methodology, please contact Ohly's sustainability team.