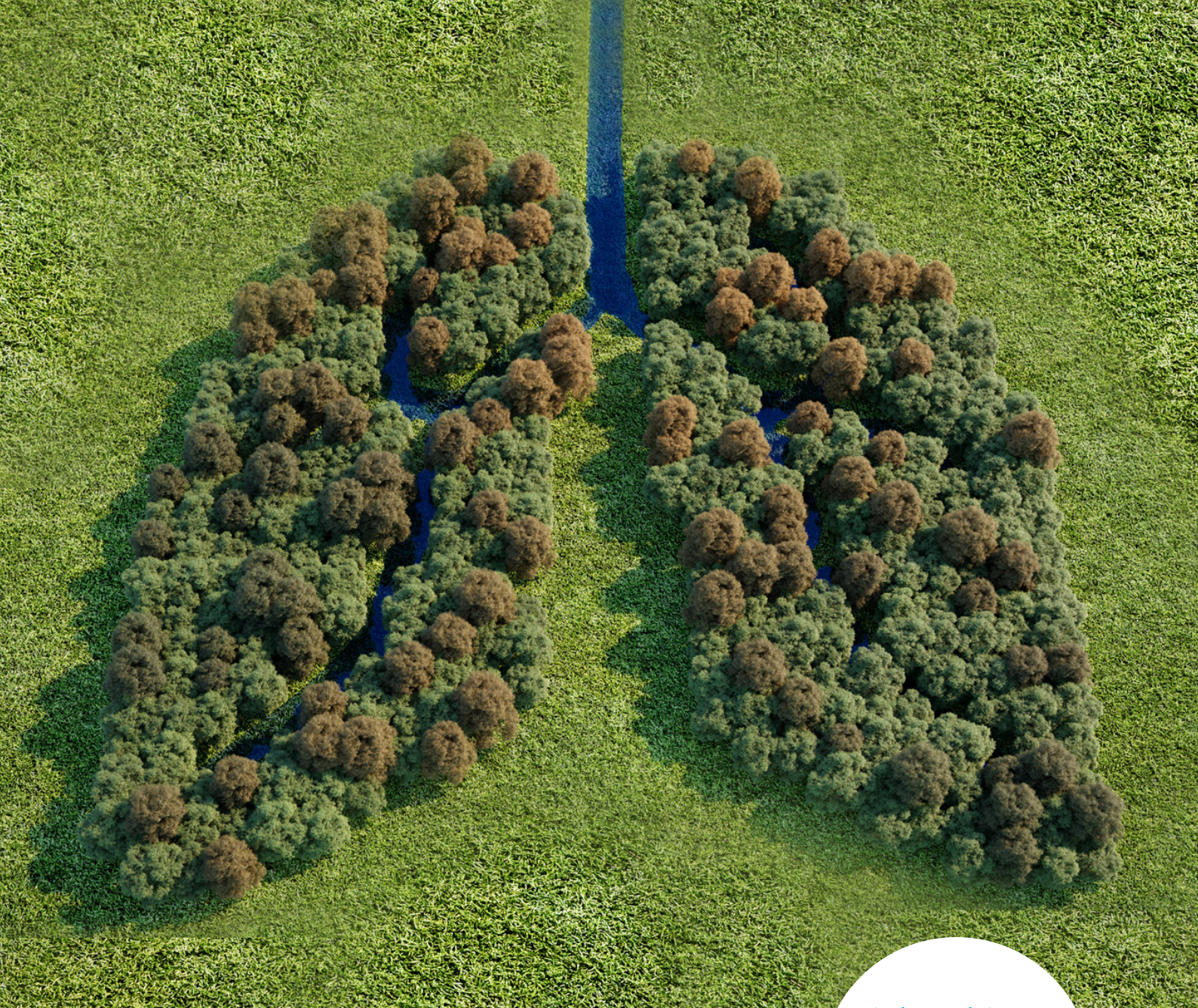




Vitalograph is
committed to
achieving Net Zero
emissions by 2045



Carbon Reduction Plan

Supplier name	Vitalograph (UK)Ltd
Publication date	1 February 2025
URL	https://vitalograph.com/about/company/sustainability

As required of NHS suppliers, Vitalograph Ltd., Uk commits to achieving Net Zero emissions by 2045.
This commitment is not currently based on science-based targets.

BASELINE EMISSIONS FOOTPRINT

Baseline emissions are a record of the greenhouse gases that have been produced in the past and were produced prior to the introduction of any strategies to reduce emissions. Baseline emissions are the reference point against which emissions reduction can be measured.

BASELINE YEAR 2022	
Additional Details relating to the Baseline Emissions calculations Official and approved GHG Protocol methodology: ISO 14064-1 GWP 100 Measurement scope All emissions under operational control Scope 1, Scope 2, Scope 3 Exclusions: 3.9, 3.11, 3.12, 3.13, 3.15, contracted farm Primary data Accounting files, Employee survey, Activity data for some key emission sources	
BASELINE YEAR EMISSIONS	
Emissions	Total (tCO2e)
Scope 1	177
Scope 2	231
Scope 3 Total	8,228
SCOPE 3 BREAKDOWN	
Category 4 Upstream transportation and distribution	422 tCO2e
Category 5 Waste generated in operations	377.88 tCO2e
Category 6 Business travel	341.45 tCO2e
Category 7 Employee commuting	135.75 tCO2e
Category 9 Downstream transportation and distribution	Omitted from this report due to incomplete data available
Total Emissions	8,636

CURRENT EMISSIONS REPORTING

REPORTED EMISSIONS 2023	
Additional Details relating to the Reported Emissions calculations Official and approved GHG Protocol methodology: ISO 14064-1 GWP 100 Measurement scope All emissions under operational control Scope 1, Scope 2, Scope 3 Exclusions: 3.11, contracted farm Primary data Accounting files, Employee survey, Activity data for some key emission sources (39% of activity-based data in total emissions)	
Emissions	Total (tCO2e)
Scope 1	87.66
Scope 2 (market-based)	256.82
Scope 3 Total	4,514.93
SCOPE 3 BREAKDOWN	
Category 1: Purchased goods and services	2,800.92
Category 2: Capital goods	215.72
Category 3: Fuel- and energy-related activities	121.87
Category 4: Upstream transportation and distribution	379.11
Category 5: Waste generated in operations	33.43
Category 6: Business travel	598.57
Category 7: Employee commuting	180.85
Category 9: Downstream transportation and distribution	95.28
Category 12: End-of-life treatment of sold products	89.16
Total Emissions	4,859.41

SUMMARY OF PREVIOUS AND CURRENT EMISSIONS REPORTING

EMISSIONS SOURCES FOR VITALOGRAPH (UK) LTD	2022 BASELINE REPORTING YEAR (tCO2e)	2023 REPORTED EMISSIONS (tCO2e)
Scope 1	177	87.66
Scope 2	231	256.82
Scope 3	8,228	4,514.93
Total	8,636	4,859.41

EMISSIONS REDUCTION TARGETS

To continue our progress to achieving Net Zero, we will adopt the following carbon reduction targets

- 1) Commitment to reduce 46% of absolute Scope 1 emissions by 2030 from a 2023 base year
- 2) Commitment to increase active annual sourcing of renewable electricity to 100% by 2030
- 3) Commitment to reduce Scope 3 emissions 51.60% per GBP value added by 2030 from 2023 value

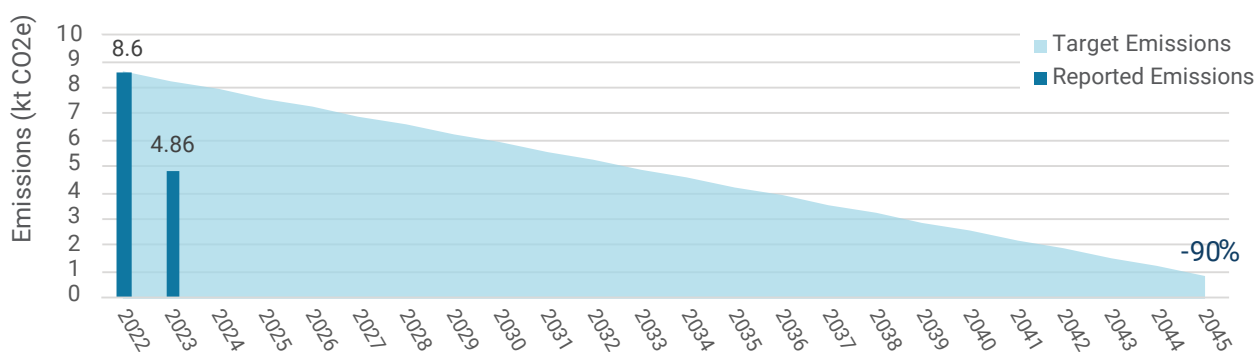
In 2022 we projected that carbon emissions would decrease over the next four years to 7.9k tCO₂e by 2026, representing a 25% reduction in our scope 1 and 2 emissions and a reduction of 8% of our overall emissions.

Since 2022 we have improved the quality of our data collection and seen significant growth in the revenue generation of our business making it difficult to quantify actual reductions but also making value added reduction targets more relevant.

Offsetting – we commit to offsetting at least 10% of our emissions every year. To reach net zero by 2045, we aim to neutralise residual emissions with a maximum of 10% offsets.

Based on our 2023 emissions data, we offset 20% of our emissions representing 960 tonnes of carbon, by investing in a project providing high efficiency rocket cookstoves to displace open-fire cooking methods in Malawi and Uganda. Rocket stoves significantly reduce greenhouse gas emissions over their lifetime, as well as the use of non-renewable biomass from forests—saving up to 3 tonnes per stove per year and protecting watersheds and biodiversity. They also require considerably less time for firewood collecting, reducing the work burden on rural families, and presenting alternative opportunities for economic development. Moreover, they release fewer indoor pollutants, including carbon dioxide, carbon monoxide, and particulate matter, as well as reducing burn injuries.

Carbon reduction - projected versus progress



CARBON REDUCTION PROJECTS

Vitalograph commits to the following specific environmental management measures and projects since the 2022 baseline. The carbon emission reduction expected from these initiatives has the potential to equate to 700 tCO₂e, an 8% reduction in 2026 against the 2022 baseline.

1) **Commitment to reduce 46% of absolute Scope 1 emissions by 2030 from a 2023 base year and to increase active annual sourcing of renewable electricity to 100% by 2030**

- **Energy use reduction** – infrastructure improvement project.
 - a. Conduct site energy surveys to identify areas for improvement
 - b. Upgrade all lighting to low energy lighting – 100% by 2025
 - c. Install movement sensor lighting in all areas where it is safe to do so – 100% by 2025
- **Increase renewable energy use** at our sites, prioritised by usage.
 - a. Update energy procurement to increase renewable energy and biogas credits – 60% by 2026
 - b. Ennis manufacturing – Install Solar PV ≥102.5kW by 2026

2) **Commitment to reduce Scope 3 emissions 51.60% per GBP value added by 2030 from 2023 value**

- **Reshoring** – Reshore 80% of BVF manufacture to Ireland from China by the end of 2024 and 95% of all manufacturing by 2026.
- **Reduce packaging** – 15% reduction in cardboard and plastic packaging by 2026.
- **Increase recycled materials in packaging** – 25% increase in recycled cardboard content and 50% increase in recycled plastic content by 2026.
- **Shift sales of standard to eco variant of single use plastic bacterial viral filters using 50% less plastic** – from 67% to 90% by 2026 and 100% by 2028.
- **Incentives to encourage and enable more sustainable commute** to achieve a 15% replacement of thermal car use by employees with lower emitting alternatives (e.g. bike, foot, electric or hybrid vehicles) by 2026.
 - a. Bike scheme in Ireland
 - b. Electric car scheme in UK
 - c. Electric car charging infrastructure (UK and Ireland)
 - d. Electric bike charging infrastructure (Ireland)

In addition to the quantified improvements outlined above, our business travel policy aligns with the UN business travel benchmark by considering the necessity and purpose of every journey, using the most direct route available, exploring non-flight options for journeys under 6 hours and using economy travel by default.

We have implemented an employee education programme to support individual contributions to GHG emission reduction, formed an employee resource group of local sustainability champions and support local site initiatives (e.g. promote reduce, reuse, recycle; responsible consumable sourcing; biodiversity).

In the future we hope to implement further measures such as

- Upgrades to insulation and roofing of current buildings.
- Renewable energy installations at our UK and US sites.
- Prioritise excellent energy performance for new buildings and refurbishment projects.
- Work with industry partners to identify viable lower impact alternatives to virgin plastics for single use medical devices.

Circular Solutions

- We will continuously improve to reduce and optimise our use of materials in products and packaging.
- We will reuse and repurpose materials and goods throughout our operations, including end user product where quality may be maintained while doing so.
- We will implement a sustainable-by-design approach to new product developments and during continuous improvement of existing products by updating our design handbook and processes.

Declaration and Sign Off

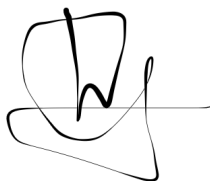
This Carbon Reduction Plan has been completed in accordance with PPN 06/21 and associated guidance and reporting standard for Carbon Reduction Plans.

Emissions have been reported and recorded in accordance with the published reporting standard for Carbon Reduction Plans and the GHG Reporting Protocol corporate standard^[1] and uses appropriate emission conversion factors^[2] for greenhouse gas company reporting.

Scope 1 and Scope 2 emissions have been reported in accordance with SECR requirements, and the required subset of Scope 3 emissions have been reported in accordance with the published reporting standard for Carbon Reduction Plans and the Corporate Value Chain (Scope 3) Standard^[3].

This Carbon Reduction Plan has been reviewed and signed off by the board of directors.

Signed on behalf of the Supplier



Helen Venn, CSSO (Director)

Date 1 February 2025

[1] <https://ghgprotocol.org/corporate-standard>

[2] Calculated by Greenly GHG consultancy (<https://greenly.earth>) using ADEME monetary emission factors

[3] <https://ghgprotocol.org/standards/scope-3-standard>

This document replaces the Inaugural Carbon Reduction plan available. Click [here](#) to download