



Carbon Reduction Plan

Supplier name: Vitalograph (UK) Ltd

Publication date: June 2026

URL: <https://vitalograph.com/about/company/sustainability>

Overview

This Carbon Reduction Plan is issued on behalf of the parent organisation Vitalograph (UK) Ltd., UK company number 01955895 and applies to all its subsidiaries: Vitalograph Ltd., UK; Vitalograph (Ireland) Ltd.; Vitalograph Inc., USA; Vitalograph GmbH, Germany, Vitalograph Japan Co. Ltd and Morgan Scientific Inc (“Vitalograph”).

Vitalograph is committed to reducing its global emissions to achieve net zero by 2045. This commitment is adopted by all subsidiaries, including the supplier engaging with the NHS which is fully owned by the parent company. It 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: Global, all emissions under operational control Scope 1, Scope 2, Scope 3 Exclusions: 3.8, 3.9, 3.11, 3.12, 3.13, contracted farm Primary data: Accounting files, Employee survey, Activity data for some key emission sources	
Baseline year emissions:	
EMISSIONS	TOTAL (tCO ₂ e)
Scope 1	178.5
Scope 2	245.7
Scope 3 Total	8,095.3
Scope 3 breakdown	
Category 1: Purchased goods and services	6,656.5
Category 2: Capital goods	83.6
Category 3: Fuel- and energy-related activities	122
Category 4: Upstream transportation and distribution	421.9 tCO ₂ e
Category 5: Waste generated in operations	400.4 tCO ₂ e

Category 6: Business travel	341.4 tCO ₂ e
Category 7: Employee commuting	69.5 tCO ₂ e
Category 8: Upstream leased assets	N/A: Omitted from this report due to incomplete data available
Category 9: Downstream transportation and distribution	N/A: Omitted from this report due to incomplete data available
Category 10: Processing of sold products	N/A: No activity in this category
Category 11: Use of sold products	N/A: Omitted from this report due to incomplete data available
Category 12: End-of-life treatment of sold products	N/A: Omitted from this report due to incomplete data available
Category 13: Downstream leased assets	N/A: Omitted from this report due to incomplete data available
Category 14: Franchises	N/A: No activity in this category
Category 15: Investments	N/A: No activity in this category
Total Emissions	8,520

Current Emissions Reporting

Reporting Year: 2024

Additional Details relating to the Reported Emissions calculations:

Official and approved GHG Protocol methodology: ISO 14064-1 GWP 100, Greenhouse Gas Protocol Corporate Value Chain (Scope 3) Standard

Measurement scope: Global, all emissions under operational control

Scope 1, Scope 2, Scope 3

Exclusions: contracted farm

Primary data: Accounting files, Employee survey, Activity data for some key emission sources

(67% of activity-based data in total emissions)

EMISSIONS	TOTAL (tCO ₂ e)
Scope 1	156.6
Scope 2	220.4 (location-based) 335.7 (market-based)

Scope 3 Total	4,584.5 (location-based) 4,589.6 (market-based)
Scope 3 breakdown	
Category 1: Purchased goods and services	1805.6
Category 2: Capital goods	472.2
Category 3: Fuel- and energy-related activities	83.7
Category 4: Upstream transportation and distribution	673.4
Category 5: Waste generated in operations	91.4
Category 6: Business travel	535.7
Category 7: Employee commuting	380.9
Category 8: Upstream leased assets	2.1
Category 9: Downstream transportation and distribution	42.9
Category 10: Processing of sold products	N/A: No activity in this category.
Category 11: Use of sold products	91.6
Category 12: End-of-life treatment of sold products	374.3
Category 13: Downstream leased assets	30.7 (location-based) 35.8 (market-based)
Category 14: Franchises	N/A: No activity in this category.
Category 15: Investments	N/A: No activity in this category.
Total Emissions	4,962 (location-based reporting)

Summary of Previous and Current Emissions Reporting

	Emissions Sources for Vitalograph (UK)	Baseline Reporting year	2023 Reported Emissions	2024 Reported Emissions
Location-based approach	Scope 1	178.5	87.7	156.6
	Scope 2	245.7	304.8	220.4
	Scope 3	8,095.3	4,521.7	4,584.5
	Total	8,520	4,914	4,962
Market-based approach	Scope 1	178.5	87.7	156.6
	Scope 2	245.7	256.8	335.7
	Scope 3	8,095.3	4,521.7	4,589.6
	Total	8,520	4,866	5,082

Emissions Reduction Targets

To continue our progress to reducing emissions globally, Vitalograph adopted the following carbon reduction targets. We project that carbon intensity will decrease to 2030 including close to 100% reduction in our scope 2 emissions as we invest in renewables.

- 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

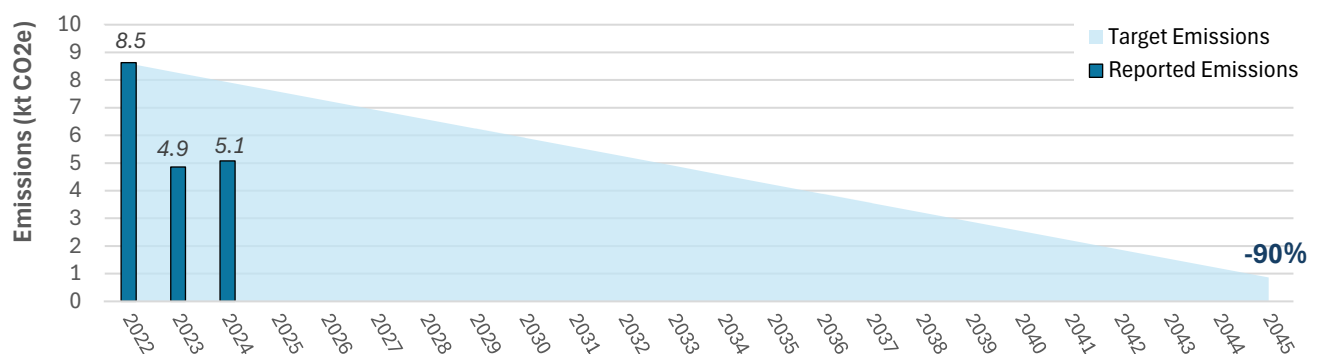
In 2022 we projected that carbon emissions would decrease over the next four years to 7.9k tCO₂e by 2026, representing a 25% reduction in our scope 1 and 2 emissions and a reduction of 8% of our overall emissions.

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 our 2045 commitment, we aim to neutralise residual emissions with a maximum of 10% offsets.

Based on our 2024 emissions data, we offset 10% of our emissions representing 508 tonnes of carbon, by investing in solar water pumps in Kenya, a project managed by SunCulture (certified Verified Carbon Standard; Verra Carbon Credit Registry VCS2989). The installation of solar-powered irrigation systems allows farmers to transition away from fossil fuel-based pumps. The purchase of carbon credits helps lowering the cost of solar irrigation to a price below traditional water pumps. Solar-based solutions can provide reliable, cost effective and environmentally sustainable energy. Benefits include improved livelihoods (increased productivity, income, and food security), increased social welfare (poverty alleviation, emissions reduction) and reduced spending on fossil fuels and centralised infrastructure.

Carbon reduction: projected versus progress (market-based)



Carbon Reduction Projects

Vitalograph committed to several environmental management measures and projects to achieve the following emissions reductions:

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 energy surveys to identify areas for improvement for sites fully owned and controlled by Vitalograph:
-All sites completed
 - b. Upgrade all lighting to low energy lighting for sites fully owned and controlled by Vitalograph – 100% by end of 2025:
-Ireland: 79% (new target of 100% by the end of 2026)
-UK: 98% (new target of 100% by the end of 2026)
-US: 87% (new target of 100% by the end of 2026)
 - c. Install movement sensor lighting in all areas where it is safe to do so for sites fully owned and controlled by Vitalograph – 100% by end of 2025:
-Ireland: 8% (building renovation works took precedence, new target of 100% by Q1 2027)
-UK: 40% (new target of 100% by the end of 2026)
-US: 100%
- **Increase renewable energy** use at our sites, prioritised by usage.
 - a. Update energy procurement to increase renewable energy and biogas credits – 60% by end of 2026, 80% by end of 2028, 100% by end of 2029:
-UK site on track
-Ireland and US sites: target focus
 - b. Ennis manufacturing – Install Solar PV ≥102.5kW by end of 2026:
-Achieved, installed capacity of 198 kW

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

- **Reshoring** – Reshore 80% of BVF manufacture from China to Ireland by the end of 2024 and source 95% of other plastics (devices' casing and consumables excluding BVF) from Ireland by end of 2026 (weight metric).
 - In 2025, 77% of BVFs manufactured were from Ireland, slightly below anticipated ambition. To provide an order of magnitude, BVF accounted for 80% of the total plastic weight under this reshoring target (the remaining 20% from the "other plastics" category). This is explained by the fact that we had to rapidly meet an unexpected and substantial surge in demand when one of our competitors ceased trading and orders had to be placed from China. A manufacturing plan is being evaluated to bring us back on target.
 - 9% of other plastics (our devices' main plastic enclosures, consumables excluding BVF) were sourced from Ireland. These represent a range of small volume parts and devices; local manufacturing options are being explored where viable.
- **Reduce packaging** – 15% reduction in cardboard and plastic packaging by end of 2026.

We will amend this objective in the next report to align it with business growth strategy.

We have made some progress to minimise single-use packaging:

-A new bagging machine helped to reduce the plastic packaging volume that our BVFs are bagged in, saving around 20% per bag,

-For our *In2itive*, *Compact*, *VitaloJAK* and test kits, we have started removing some small single-use plastic bags.

- **Increase recycled materials in packaging** – Source at least 25% of cardboard/paper packaging units with recycled content and at least 50% of plastic packaging units with recycled content by end of 2026.
 - To move away from hard-to-recycle materials, we have started replacing plastic packaging with paper-based items for 2 of our product lines (*In2itive* and *Compact*) and are exploring a similar initiative for our Service Department.
 - Ireland: In 2025, 54% of purchased cardboard and paper packaging had recycled content and 30% of plastic packaging had recycled content. For our BVF plastic packaging, we received samples with 50% recycled material. These did not successfully passed validation so we will continue to explore suitable alternatives.
 - UK: In 2025, 96% of plastic packaging and 61% of cardboard/paper packaging sourced had some recycled content.
- **Shift sales of standard to eco variant of single-use plastic bacterial viral filters (Eco BVF) using 50% less plastic** – from 67% to 90% by end of 2026 and 100% by end of 2028.
 - In 2025, sales of Eco BVF represented 74% of the total BVF sales.
- **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 end of 2026.
 - a. Bike scheme in Ireland: [completed](#)
 - b. Electric car scheme in UK: [completed](#)
 - c. Electric car charging infrastructure (UK and Ireland): [completed](#)
 - d. Electric bike charging infrastructure (Ireland): [survey to be carried out to assess additionality](#)

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: [In 2025, 60kW solar capacity was installed on our UK site.](#)
- 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 006 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.

Scopes 1, 2, 3 emissions have been reported in accordance with SECR requirements, and 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: 30 June 2026

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

^[2] Calculated by Greenly GHG consultancy (<https://greenly.earth>) using databases such as EXIOBASE, ecoinvent, ADEME, and country specific emission factors such as www.gov.uk/government/collections/government-conversion-factors-for-company-reporting

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

This document replaces the *2024 Carbon Reduction Plan* available [here](#) to download
Inaugural 2023 Carbon Reduction Plan available [here](#) to download