



# Carbon Reduction Plan 2025

**Supplier name:** BGS UK 2019 Ltd trading as Bioguard.

**Publication date:** June 2025.

## Commitment to achieving Net Zero

BGS UK 2019 Ltd Trading as Bioguard is committed to achieving Net Zero emissions by 2050.

## 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.

<b>Baseline Year: 2023</b>	
<b>Additional Details relating to the Baseline Emissions calculations.</b>	
<p>The data sources used in the CM Plan are based on robust data provided by both internal and external partners. The main streams of data (consumption and costs) input are as follows:-</p> <ol style="list-style-type: none"><li>1. Stationary Sources<ol style="list-style-type: none"><li>a. Electricity - Energy Management, historical data, utility provider billing</li><li>b. Gas - Energy Management, historical AMR data, utility provider billing</li></ol></li><li>2. Water<ol style="list-style-type: none"><li>a. Water metre reports, historical data logger records</li></ol></li><li>3. Waste<ol style="list-style-type: none"><li>a. Volume of waste from collection company records</li></ol></li><li>4. Transport<ol style="list-style-type: none"><li>a. Company vehicle usage/costs</li><li>b. Inbound / outbound transport.</li></ol></li><li>5. Inbound raw materials</li><li>6. Travel<ol style="list-style-type: none"><li>a. Business mileage / commuting</li><li>b. Air / train / overnight accommodation</li></ol></li></ol>	
<b>Baseline year emissions:</b>	
<b>EMISSIONS</b>	<b>TOTAL (tCO<sub>2</sub>e)</b>
Scope 1	11.52
Scope 2	11.22
Scope 3 upstream transportation and distribution, waste generated in operations, business travel, employee commuting; and downstream transportation and distribution.	621
<b>Total Emissions</b>	<b>651</b>



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## Current Emissions Reporting

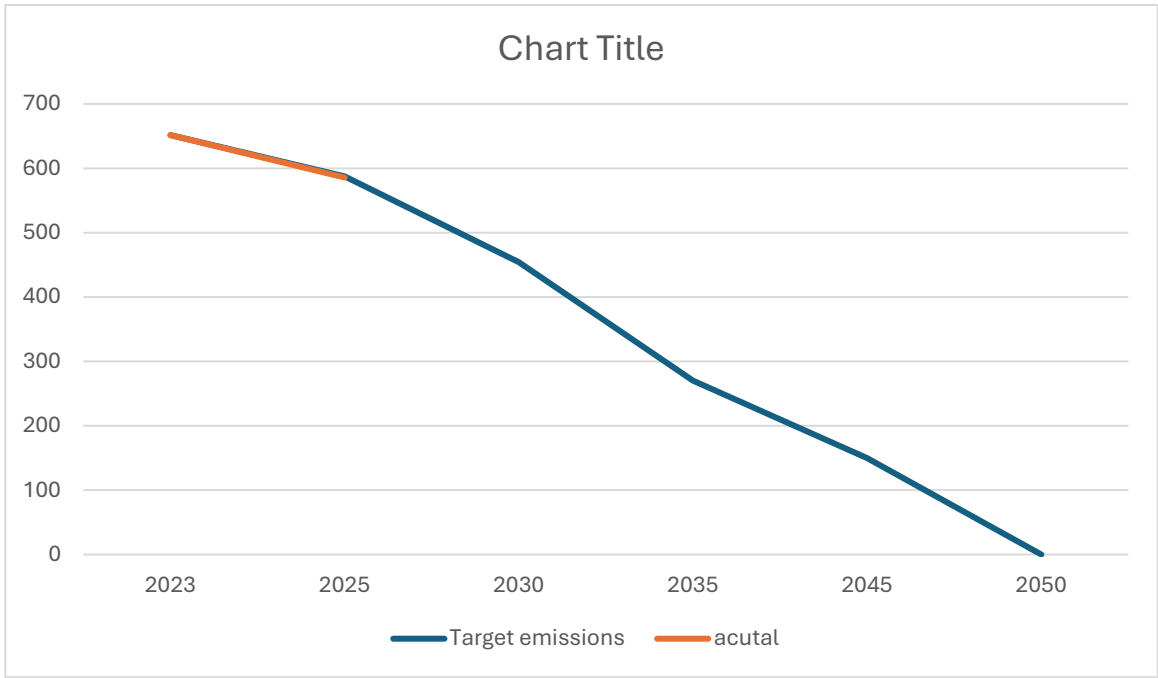
Reporting Year: 2025	
EMISSIONS	TOTAL (tCO <sub>2</sub> e)
Scope 1	5.44
Scope 2	10.21
Scope 3 upstream transportation and distribution, waste generated in operations, business travel, employee commuting; and downstream transportation and distribution.	564.04
Total Emissions	579.69

## Emissions reduction targets

In order to continue our progress to achieving Net Zero, we have adopted the following carbon reduction targets.

We project that carbon emissions will decrease over the next five years to 400 tCO<sub>2</sub>e by 2030. This is a reduction of 33%

Progress against these targets can be seen in the graph below:





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## Carbon Reduction Projects

### Completed Carbon Reduction Initiatives

The following environmental management measures and projects have been completed or implemented since the 2024 baseline. The carbon emission reduction achieved by these schemes equate to 65.44 tCO<sub>2</sub>e, a 10% percentage reduction against the 2023 baseline and the measures will be in effect when performing the contract.

We have implemented ISO14001 environmental management which has helped us implement the following projects.

- We have converted all our production and office facilities to LED lighting significantly reducing electricity consumption for lighting by over 60%. Converting to all electric forklifts eliminating need for gas.
- In the supply chain we are working with suppliers and customers to consolidate purchase orders reducing the number of delivery vehicles and carbon emissions by 5%.
- Offering refill packs such as refills wipes to reduce carbon impact from packaging production, transportation of bulky packaging. Supplying concentrates to reduce water consumption.
- Resourcing UK suppliers where possible to reduce carbon impact of transporting raw materials. 90% suppliers UK based v. 60% 5 years ago.
- Increasing online meetings to reduce travel.

In the future we hope to implement further measures such as:

- Energy
  - Fans – air handling unit, variable speed drives and reversing.
- Travel/Transport
  - Looking at electric vehicles
- Waste
  - Continued awareness raising and provision of facilities for recyclable materials
- Water
  - Implementation of water conservation measures identified through better communication with workforce.
- Packaging
  - We have been actively converting packaging materials to either recycled or recyclable materials. This can significantly reduce levels of packaging waste.
- Chemicals
  - When we formulate new products we look to reduce chemical and water content. For example alcohol free alternatives reduce chemical content of formulas by over 60%. More concentrated products can reduce water use by 30-40%.
  - Designing formulas that are more effective so you need less product. Alcohol free hand foam we use 1ml v. 3ml for alcohol gel with same efficacy. Concentrated product now working at 1:250 dilution as opposed to 1:150 dilution.
  - Refillable products for hand sanitisers and wipes reducing packaging, carbon impact and end of life impact by reducing number of bottle thrown away.



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## 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<sup>1</sup> and uses the appropriate Government emission conversion factors for greenhouse gas company reporting<sup>2</sup>.

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<sup>3</sup>.

This Carbon Reduction Plan has been reviewed and signed off by the board of directors (or equivalent management body).

### Signed on behalf of the Supplier:

Stuart Hay –

Managing Director – Signing for and on behalf of the board of directors for BGS UK 2019 Ltd.

Date: 25th June 2025

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

<sup>2</sup><https://www.gov.uk/government/collections/government-conversion-factors-for-company-reporting>

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