Carbon Reduction Plan

Supplier name: Penlon Limited

Publication date: 07/05/2025

Commitment to achieving Net Zero

Penlon Limited is committed to achieving Net Zero emissions by 2045.

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.	
The inventory work and reporting were carried out per the GHG Protocol Corporate Accounting and Reporting Standard and represent a faithful, true, and fair account of Penlon Limited's GHG emissions from the available data. An independent auditor has verified this data. The baseline data is market based all future data will be location based.	
Baseline year emissions:	
EMISSIONS	**TOTAL (tCO_2e)**
Scope 1	744.76
Scope 2	0 100% of the electricity used by Penlon Ltd throughout the period for which emissions are calculated was generated from renewable sources, and a certificate from supplier United Gas & Power has been provided to confirm this.

Scope 3 **(Included Sources)** **Fuel and Energy Related Activities** **Upstream transportation distribution** **Waste generated in operations** **Business travel** **Employee commuting** **Downstream transportation and distribution**	769.63
Total Emissions	1514.39

Current Emissions Reporting

Reporting Year: 2024	
EMISSIONS	**TOTAL (tCO_2e)**
Scope 1	640.7
Scope 2	53.33
Scope 3 **(Included Sources)** **Fuel and Energy Related Activities** **Upstream transportation distribution** **Waste generated in operations** **Business travel** **Employee commuting** **Downstream transportation and distribution**	723.38
Total Emissions	1417.41

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 760 tCO2e by 2030. This is a reduction of 50%

Carbon Reduction Projects

Completed Carbon Reduction Initiatives

The following environmental management measures and projects have been completed or implemented since the 2022 baseline. The carbon emission reduction achieved by these schemes equate to 96 tCO_2e, a 6.41%ge reduction against the 2022 baseline and the measures will be in effect when performing the contract

-Installed LED lighting through offices and factory
-Appointed Sustainability Lead
-Introduced mixed recycling bins in the office and factory
-Installed EV charging points and deployed electric vehicles in our company car fleet
-Working with third-party companies to accurately monitor and report our carbon emissions
-100% renewable energy from our electricity supplier
-PIR sensors to turn off lights when not in use

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

-Implement software solutions to manage and optimise power consumption of IT assets
-Requiring suppliers to report their carbon footprint data to us to improve the accuracy of carbon measurement and engaging with suppliers to support our net zero goal
-All suppliers to have produced their own net-zero target and plan (by 2030 latest) that align with Penlon targets
-Install solar panels with battery storage on our building
-Replace windows in our offices to reduce overheating
-Replace gas fired heaters in our factory to ASHP heating system
-Change our product packaging to be from recycled materials

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 the appropriate Government emission conversion factors for greenhouse gas company reporting[2].

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 (or equivalent management body).

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[1] https://ghgprotocol.org/corporate-standard
[2] https://www.gov.uk/government/collections/government-conversion-factors-for-company-reporting
[3] https://ghgprotocol.org/standards/scope-3-standard

Signed on behalf of the Supplier:

Xiaoming Gao

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Xiaoming Gao - CEO

Date: 07/05/2025