



Cabinet Office

CARBON REDUCTION PLAN GUIDANCE

Notes for Completion

Where an In-Scope Organisation has determined that the measure applies to the procurement, suppliers wishing to bid for that contract are required at the selection stage to submit a Carbon Reduction Plan which details their organisational carbon footprint and confirms their commitment to achieving Net Zero by 2050.

Carbon Reduction Plans are to be completed by the bidding supplier¹ and must meet the reporting requirements set out in supporting guidance, and include the supplier's current carbon footprint and its commitment to reducing emissions to achieve Net Zero emissions by 2050.

The CRP should be specific to the bidding entity, or, provided certain criteria are met, may cover the bidding entity and its parent organisation. In order to ensure the CRP remains relevant, a Carbon Reduction Plan covering the bidding entity and its parent organisation is only permissible where the detailed requirements of the CRP are met in full, as set out in the Technical Standard² and Guidance³, and all of the following criteria are met:

- The bidding entity is wholly owned by the parent;
- The commitment to achieving net zero by 2050 for UK operations is set out in the CRP for the parent and is supported and adopted by the bidding entity, demonstrated by the inclusion in the CRP of a statement that this will apply to the bidding entity;
- The environmental measures set out are stated to be able to be applied by the bidding entity when performing the relevant contract; and
- The CRP is published on the bidding entity's website.

Bidding entities must take steps to ensure they have their own CRP as soon as reasonably practicable and should note that the ability to rely on a parent organisation's Carbon Reduction Plan may only be a temporary measure under this selection criterion.

The Carbon Reduction Plan should be updated regularly (at least annually) and published and clearly signposted on the supplier's UK website. It should be approved by a director (or equivalent senior leadership) within the supplier's organisation to demonstrate a clear commitment to emissions reduction at the highest level. Suppliers may wish to adopt the key objectives of the Carbon Reduction Plan within their strategic plans.

A template for the Carbon Reduction Plan is set out below. Please complete and publish your Carbon Reduction Plan in accordance with the reporting standard published alongside this PPN.

¹Bidding supplier or 'bidding entity' means the organisation with whom the contracting authority will enter into a contract if it is successful.

²Technical Standard can be found at:

https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/991625/PPN_0621_Technical_standard_for_the_Completion_of_Carbon_Reduction_Plans__2_.pdf

³Guidance can be found at:

https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/991623/Guidance_on_adopting_and_applying_PPN_06_21__Selection_Criteria__3_.pdf

Carbon Reduction Plan

Supplier name: Biosensors Europe SA (on behalf of Biosensors International UK Ltd)

Publication date: 18 Jun 2025

Commitment to achieving Net Zero

Biosensors International Group 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.

Baseline Year: 2022	
Additional Details relating to the Baseline Emissions calculations.	
Our emissions data is reported in accordance with the PPN 06/21 guidance and requirements, and the NHS Greenhouse Gas Protocol. The BIOSENSORS GHG Inventory 2022 was calculated using the tools and guidances developed by GHG Protocol. 2022 is our baseline for all Scopes, no emissions data for Biosensors Europe was published prior to this in the world. In 2023, emissions data pertaining to Biosensors International UK was published. In the meantime we have started to calculate our 2022 baseline emissions for Biosensors Europe SA.	
Baseline year emissions: 2022	
EMISSIONS	TOTAL (tCO₂e)
Scope 1	26.6
Scope 2	19.7
Scope 3	43892.81
Total Emissions	43939.11

Sources included in the Scopes are the following listed ones:

Scope1	Direct emissions
Scope2	Energy

Scope3	Purchased goods and services
Scope3	Capital goods
Scope3	Upstream transportation and distribution
Scope3	Waste generated in operations
Scope3	Business Travel
Scope3	Employee commuting
Scope3	Downstream transportation and distribution
Scope3	Processing of sold products
Scope3	End of life treatment of sold products
Scope3	Investments
N/A	Carbon credits

Current Emissions Reporting

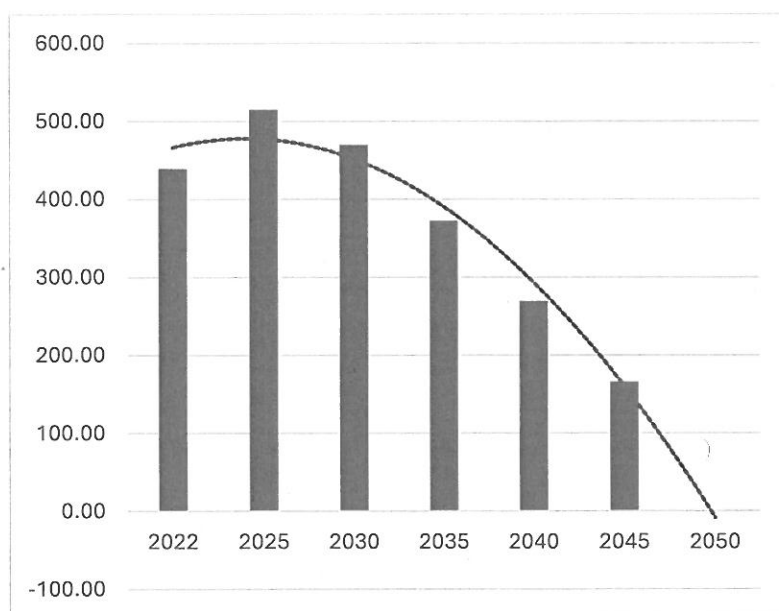
Reporting Year: 2024	
EMISSIONS	TOTAL (tCO ₂ e)
Scope 1	15.95
Scope 2	23.08
Scope 3	53473.41
Total Emissions	53512.38

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 5 years to 45000 tCO₂e by 2030. This is a reduction of approximately 16%.

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



Carbon Reduction Projects

Completed Carbon Reduction Initiatives

The following environmental management measures and projects have been completed before/since the 2022 baseline.

- Solar panel installation at plant
- Reduction of paper use (such as development of eMarketing materials)
- Work with eco-responsible suppliers for 80% of our global and regional congresses
- Reduction of product scrap (such as closer management of our inventories)
- Reduction of the number of shipments from our plant to our European warehouse

In the future, we target to implement further measures prioritising the highest impact areas such as:

1/ Scope 1 & 2 emissions from running our labs, factory and commercial offices – Company operations

1.1 / Energy reductions

- Focus on energy efficiency program at our manufacturing plant from 2025 (replacement of chiller) in 2025

1.2/ Electric vehicles

- Electrification of company vehicles by 2030

1.3/ Renewable electricity and heat

- Procurement of renewable energy in all our offices by 2035
- Developing green heat strategy by 2035

1.4/ Carbon offset

- Carbon offset for the remaining energy consumed after all measures taken to reduce consumption and improve efficiency -by 2040.

2/ Scope 3 emissions – Purchased goods and services from other companies

- Sustainable procurement programme, driving targeted supplier engagement and setting sustainability standards by 2027.

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:



Date: 23 JUNE 2023

- Deep engagement with 30 most impactful suppliers by 2027
- Select new suppliers based on environmental performance and climate impact by 2027
- Develop an operation waste policy to decrease the waste generated during operations and recycle chemical waste by 2026.
- Set a policy to decrease GHG impact per congress by 2026
- R&D programme for next generation product: introduce GHG calculation in product design, embed eco-design principles for all new products, develop recyclable products with less packaging by 2035.

3/ Scope 3 emissions - Logistics [Upstream and downstream]

- Continuous reduction of scrap and number of shipments
- Aligning with global supply chain and partners projects to reduce emissions of upstream and downstream transport by 2040
- Reduction of product weight/paper less project in our product packaging by 2030
- Programme of further reduction of waste by 2030

4/ Scope 3 emissions – Business travel and commuting

- Reshape our travel policy to all including Sales personnel, increase use of public transportation and reduction of travel frequency from 2024 onwards
- Create a commuting policy to strive for carsharing and public transport in 2025.

5/ Scope 3 emissions – Investment, leased asset

- Investment selection based on sustainability criteria by 2024
- Invest in carbon offsets by 2040

These actions are managed under our continual improvement plan of our Environmental system certified ISO14001.

6/ Other

- Regular review of the plan to assess progress and provide adjustments
- Continuous market benchmarking to identify additional means of carbon reduction
- Create awareness and training of the local staff

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 standard⁴ and uses the appropriate Government emission conversion factors for greenhouse gas company reporting⁵.

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) Standard⁶.

⁴<https://ghgprotocol.org/corporate-standard>

⁵<https://www.gov.uk/government/collections/government-conversion-factors-for-company-reporting>

⁶<https://ghgprotocol.org/standards/scope-3-standard>