



Carbon Reduction Plan

Carbon Reduction Plan

Supplier name: **Micronclean Ltd.**
 Publication date: **July 2023**

Commitment to achieving Net Zero

Micronclean 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: 2021

Additional Details relating to the Baseline Emissions calculations.

Notes: Our baseline scope 1 and 2 emissions include electricity, gas and diesel consumed at our three main plants at Grantham, Louth, and Roman Bank. Our scope 3 emissions process had not been developed at this time. All calculations use the relevant greenhouse emission conversion factors as recommended by the UK Government Department for Business Energy and Industrial Strategy.

Baseline year emissions:

| EMISSIONS | TOTAL (tCO ₂ e) |
|-------------------------------|--|
| Scope 1 | 2182 |
| Scope 2 | 475 |
| Scope 3 (Included Sources) | No data collected at this time in the following categories. a. Upstream transportation and distribution b. Waste generated in operations. c. cBusiness travel d. Employee commuting e. Downstream transportation and distribution |
| Total Emissions | 2657 |

Current Emissions Reporting

Reporting Year: 2022

Additional Details relating to the Baseline Emissions calculations.

Notes: Our baseline scope 1 and 2 emissions include electricity, gas and diesel consumed at our three main plants at Grantham, Louth, and Roman Bank. In 2022 we started collecting scope 3 emissions for our upstream transportation and distribution. All calculations use the relevant greenhouse emission conversion factors as recommended by the UK Government Department for Business Energy and Industrial Strategy.

| EMISSIONS | TOTAL (tCO ₂ e) |
|-------------------------------|--|
| Scope 1 | 2117 |
| Scope 2 | 417 |
| Scope 3 (Included Sources) | 45 (new processes being developed to collect scope 3 emissions) a. Upstream transportation and distribution – 45 b. Waste generated in operations – no data available. c. Business travel – no data available. d. Employee commuting – no data available. e. Downstream transportation and distribution – no data available. |
| Total Emissions | 2579 |

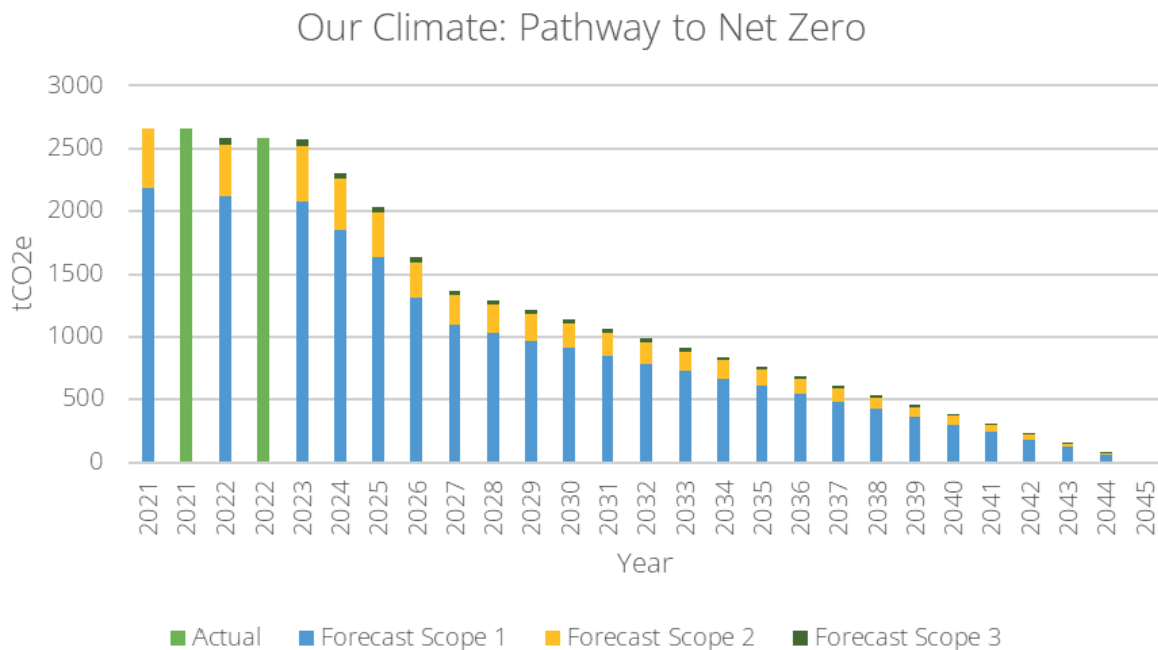
Emissions reduction targets

Our Microngreen environmental strategy has set the ambition for us to be ‘the most sustainable specialist textile and cleanroom consumable business on the planet’ under the three central pillars: Our Climate, Creating our Circular Economy and Our People and Communities. Our Climate is focussed on our pathway to net zero through the introduction of renewable technologies and the removal of fossil fuel-based assets.

Our five-year ambition is to reduce our scope 1 and 2 emissions to achieve a reduction of 50% by the end of 2027. This is set out in the following table.

| Targets | 2021 | 2023 | 2024 | 2025 | 2026 | 2027 |
|-------------------------------------|----------|------|------|------|------|------|
| Carbon emissions tCO ₂ e | Baseline | -5% | -10% | -10% | -15% | -10% |

Our forecast path to achieve net zero by 2045 is illustrated against current progress in the graph: Out Climate: Pathway to Net Zero.



This graph will be updated as we gain better insight to our scope 3 emissions. From 2022 it includes the a) upstream transportation and distribution.

Carbon Reduction Projects

Completed Carbon Reduction Initiatives

The following environmental management measures and projects have been completed or implemented since the 2021 baseline. We hope the carbon emission reduction achieved by these schemes equates to 78 tCO₂e, a 3% reduction against the 2021 baseline. Carbon reduction projects and initiatives include, as follows:

- Micronclean is certified to ISO 50001 Energy Management Standards. We carry out energy audits and implement corrective and preventative actions.
- New facilities are designed with carbon neutral technologies as they be-come available.
- Promote environmental awareness and responsibility amongst employ-ees, partners, contractors, and customers and will seek where practica-ble, to continuously improve environmental performance. We expect our partners and suppliers to have credible environmental policies.
- Evaluate and where possible adopt means of reducing travel including flexible home working and video calling/conferencing for both internal and external communications.
- Employee dedicated resource to provide expertise and guidance in envi-ronmental matters.
- Evaluate the environmental impact of every single new product pro-duced by Micronclean R&D.

To support Our Climate five-year carbon reduction plan and pathway to net zero we hope to implement further initiatives and projects, as follows:

- Efficient shifts to optimise reduce gas consumption through reduced boiler use, this includes installation of a control panel for better control.
- Changeover to a REGO (Renewable Energy Guarantee of Origin) contract where all our electricity is generated from wind, solar and hydro sources.
- Introduction of electric, hybrid and HVO into the fleet.
- LED light replacement of lights at our Head Office.
- Installation of Solar Panels at plants to generate our own electricity.
- Investment forms to include carbon emission into the decision-making process.
- Plans to design and build our new sustainable campus using renewable technologies.

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 standard¹ and uses the appropriate Government emission conversion factors for greenhouse gas company reporting².

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) Standard³.

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:



06.07.2023
Sophie Harris
Associate QSHE Director

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>



Roman Bank / Skegness / Lincolnshire / PE25 1SQ
T: +44 (0)1754 767 377
E: sales@micronclean.co.uk
W: www.micronclean.com

