

Carbon Reduction Plan

Supplier name: Gradus Ltd

Publication date: 17.11.2023

Commitment to achieving Net Zero

Gradus Ltd 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: 2021 | |
| Additional Details relating to the Baseline Emissions calculations. | |
| Our base line figures have been produced as of 2021 so there are no prior emission figures. The majority of our emissions are scope 3 and we are actively working towards further reductions in scope 1,2&3 as detailed below. | |
| Baseline year emissions: | |
| EMISSIONS | TOTAL (tCO₂e) |
| Scope 1 | 10.5% = 2,205.21 |
| Scope 2 | 3.5% = 735.07 |
| Scope 3 (Included Sources) | 71% Upstream Purchases = 14,911.42 8% Downstream transportation and distribution= 1680.16 5% Upstream transportation and distribution= 1050.10 1% Waste Generated in Operations = 210.02 0.9% Employee Commuting = 189.01 0.1% Business Travel = 21.00 86% Total = 18,061.72 |
| Total Emissions | 21,002 |

Current Emissions Reporting

| Reporting Year: 2021 | |
|--|---|
| The current emissions reporting is for 2021 as this is our first time reporting on these figures | |
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| Total Emissions | 21,002 |

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 for scope 1&2 will decrease over the next four years to 2,352 tCO₂e by 2025. This is a reduction of 20%

Currently scope 3 emissions equate to 86% (18,061.72 tCO₂e) 80% (16,801.6 tCO₂e) of this Carbon emission is from Purchases of raw materials (e.g. Aluminium & PVC). Detailed below are the projects we are working on to help reduce these scope 3 carbon emissions.

Carbon Reduction Projects

Completed Carbon Reduction Initiatives

The following environmental management measures and projects have been completed or implemented prior to 2021 baseline results.

Electricity Usage

Invested £169,000 in energy efficient equipment to reduce energy wastage.

31% total energy reduction across all our UK sites in the past 10 years.

Gas Usage

Invested £62,000 in energy efficient heating systems for manufacturing sites.

48% total energy reduction across all our UK sites in the past 10 years.

Water Usage

Approximately 495,000 litres of water saved per year due to closed loop water system on our extrusion lines.

Material Wastage and Reuse

22% reduction in PVC waste created from production in past 10 years

1,375 tons of process PVC waste reused since 2012

151,150 Kgs of PVC waste recycled into reusable pellets for Gradus production or other 3rd party products

12% reduction in overall waste created from production of aluminium components or products

254 tons of aluminium recycled since 2012

36 tons total carpet waste reduction in past 8 years

Accreditations

Gradus have accreditation to the following health & safety and environmental standards:

- Achilles
- British Safety Council
- CHAS
- Constructionline Gold
- Safe Contractor
- ISO 9001
- ISO 14001
- ISO 45001

Our ongoing and 5 year plan running to 2025 includes the following environmental management measures.

Scope 1&2

20% reduction in scope 1&2 Teq Co2

- Introduce energy efficient equipment – chillers, compressors, lighting.
- Feasibility projects – solar panels.
- Feasibility of renewable energy sources at sites and sourcing renewable energy.

Scope 3

20% increased use of recycled PVC

20% increased use of recycled PVC

- Segregation of waste materials.
- Outsourcing of recycled material
- Main PVC provider is aiming to reduce emissions by further 10% by 2025

30% reduction in landfill waste

- Segregation of waste material.
- Process improvement teams – waste reduction, output improvement.
- Eliminate waste generation through process improvement.

Introduce carpet takeback scheme

- Identify re-processors capable of recycling/reusing end of life carpet.

30% of company cars to be hybrid / electric

- Company education/policy, limit petrol/diesel offer, government legislation

All trucks will achieve Euro6 emissions standard

- Maintain compliance with third party logistics provider

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.

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:

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Date: 17/11/23

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>