Colloide

Carbon Reduction Plan

Status: Ratified
Document Type: Net Zero Emissions Plan

Supplier name: Colloide Engineering Systems Ltd.

Publication date: 22nd November 2023

➢ Commitment to achieving Net Zero

➢ Colloide Engineering Systems Ltd. is committed to achieving Net Zero emissions by 2042.

➢ 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: 2022/2023
Additional Details relating to the Baseline Emissions calculations.
Organisational Context: Colloide is a highly skilled process engineering company, with specialist skills in water treatment, energy, environmental and facilities engineering solutions. Our services range from design through to construction, installation, commissioning, maintenance and overall project management. Our experience is wide ranging, from major water utility installations and innovative 'first of its kind' district heating projects through to work with breweries on process improvements and biomass heating installations on farms. We have the skills to take on the role of either principal contractor, specialist sub-contractor or equipment supplier, and are equally comfortable and experienced in all roles. **Governance/Management/Culture:** The Carbon Plan is owned by the Senior Management Team supported by colleagues through the company, headed up by Carbon Champions Brendan Lee & Grace King. **Progress to Date:** First Plan - Carbon calculation of scope 1 & 2 emissions and Eco Vadis accreditation completed. **Context & Drivers for Carbon Reduction:** It is vital to secure a sustainable business model for Colloide. We as a company have established company values and implementing the carbon plan is an essential part of this. **Objectives:** ➢ Do no harm. ➢ Measure scope 1 ,2 & 3 emissions. ➢ Reduce carbon intensity of our product range. ➢ Promote and support environmental causes aligned to our company values.

Data Sources: Colloide data is collected in house by colleagues specialising in this. Colloide are audited by 3rd party specialists. **Limitations on Data Set:** Accurate emission data from suppliers is limited or difficult to verify.	

Baseline year emissions: 5959.647 tCO$_2$e

EMISSIONS	TOTAL (tCO$_2$e)
Scope 1	33.416
Scope 2	11.268
Scope 3 (Included Sources)	5914.963
Total Emissions	5959.647

Current Emissions Reporting

Reporting Year: 2023/2024	
EMISSIONS	TOTAL (tCO$_2$e)
Scope 1	31.745
Scope 2	10.704
Scope 3 (Included Sources)	5619.214
Total Emissions	5661.663

➤

➤ Emissions reduction targets

➤ **Development of Targets & Milestones**: Developed by the senior management team, with the aim of reducing our carbon footprint and doing our bit for the environment.

➤ In order to continue our progress to achieving Net Zero, we are targeting reducing our carbon by 5% each year.

➢ We project that carbon emissions will decrease over the next five years to 4469.73 tCO$_2$e by 2028. This is a reduction of 25%.

➢ Carbon Reduction Projects

➢ Completed Carbon Reduction Initiatives

The following environmental management measures and projects have been completed or implemented since the 2022/2023 baseline. The carbon emission reduction achieved by these schemes equate to 297.98 tCO$_2$e, a 5%ge reduction against the 2022/2023 baseline and the measures will be in effect when performing the contract.

Initiatives/Opportunities:
➢ Waste Management - Recycle & Reuse
➢ Invest in further renewable energy for office and workshops
➢ Engage with & evaluate our supply chain
➢ Review company travel
➢ Be aware of our digital footprint
➢ Educate our staff
➢ PAS 2060 certification
➢ Approval from SBTI
➢

Current Projects:
➢ Electrification of company fleet
➢ Reduce of carbon intensify products
➢ Reduction of energy intensive materials
➢ Solar panels & biomass burner in offices
➢ Environmentally friendly projects
➢ Online meetings and events where possible
➢ Use public transport or car sharing on business trips

Reduce carbon can lead to social and environmental benefits to our whole community.

In the future we hope to implement further measures such as:
➢ Investigate the use of recycled resources
➢ Invest in green office equipment
➢ Project planning to avoid carbon-intensive construction

Limitations:
➢ Access to reliable data.

Supply Chain Involvement: Carbon plans to be sought from subcontractors and suppliers, as well as utilising carbon accredited subcontractors and suppliers and supplier agreements.

Innovation: New innovation technologies for the fabrication of materials are being developed throughout the world. Examples which include 'Green Steel' or steels developed from carbon neutral sources.

Benefits & Savings:
- ➢ Offers unique selling point for Colloide products.
- ➢ Reduction of waste will lead to cost savings.

➢ 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).

➢ Signed on behalf of the Supplier:

Paddy McGuinness – Managing Director

Date: 22nd November 2023

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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