

# Carbon Reduction Plan

Supplier name: Aran Insulation Limited

Publication date: 1/11/2023

## Commitment To Achieving Net Zero

Aran Insulation Limited 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.

Our Carbon Baseline includes our greenhouse gas (GHG) emissions from the seven GHG's named by the Kyoto Protocol:

- Carbon Dioxide (CO<sub>2</sub>)
- Hydrofluorocarbons (HFCs)
- Methane (CH<sub>4</sub>)
- Nitrous Oxide (N<sub>2</sub>O)
- Nitrogen Trifluoride (NF<sub>3</sub>)
- Perfluorocarbons (PFCs)
- Sulphur Hexafluoride (SF<sub>6</sub>)

Our emissions are calculated in tonnes of carbon dioxide equivalent (CO<sub>2</sub>e) using the appropriate conversion factors published by BEIS. Our emissions data is reported in line with the Greenhouse Gas Protocol Corporate Accounting and Reporting Standard, and Corporate Value Chain (Scope 3) Standard under the 'Operational Control' approach.

<b>Baseline Year: 1/4/2020 – 31/3/2021</b>
<b>Additional Details relating to the Baseline Emissions calculations.</b>
The company has not previously reported so have used available 2020-21 data to create a baseline. The baseline data is likely to be unusually low due to the impact of COVID-19 restrictions and the reduction in consumption of emitting resources and we expect the next reporting period will see higher emissions.
Scope 1 Emissions include owned transport use only. We have excluded emissions from LPG (fork lift), air conditioning units in office buildings (powered mainly via our substantial PV system) due to the low consumption and cost of data collection. We have no measurable process emissions.

Scope 2 Emissions are low due to the site mainly being powered via our substantial PV system. As the PV system is owned by our landlord we are not able to obtain export figures so have calculated emissions based solely on purchased electricity.

Scope 3 Emissions are reported for Category 6 Business Travel. Data for other categories is not recorded due to either zero activity in the category, or the low emissions and cost of data collection.

**Baseline year emissions:**

<b>EMISSIONS</b>	<b>TOTAL (tCO<sub>2</sub>e)</b>
<b>Scope 1</b>	<b>320.6 tCO<sub>2</sub>e Company Vehicles</b>
<b>Scope 2</b>	<b>7.1 tCO<sub>2</sub>e Purchased Electricity</b>
<b>Scope 3</b> (Included Sources)	<b>Our Scope 3 baseline includes the following categories:</b> <b>Business travel - land: 5 tCO<sub>2</sub>e</b> <b>Hotel stay: 0 tCO<sub>2</sub>e (zero due to COVID)</b>
<b>Total Emissions</b>	<b>332.7 tCO<sub>2</sub>e</b>

## Current Emissions Reporting

**Reporting Year: 1/4/2022 – 31/3/2023**

<b>EMISSIONS</b>	<b>TOTAL (tCO<sub>2</sub>e)</b>
<b>Scope 1</b>	<b>283.4 tCO<sub>2</sub>e Company Vehicles (280.3 tCO<sub>2</sub>e in 2021-22)</b>
<b>Scope 2</b>	<b>8.1 tCO<sub>2</sub>e Purchased Electricity (11.2 tCO<sub>2</sub>e in 2021-22)</b>
<b>Scope 3</b> (Included Sources)	<b>Our Scope 3 baseline includes the following categories:</b> <b>Business travel - land: 0 tCO<sub>2</sub>e (0 tCO<sub>2</sub>e in 2021-22)</b> <b>Hotel stay: 1.5 tCO<sub>2</sub>e (1 tCO<sub>2</sub>e in 2021-22)</b>
<b>Total Emissions</b>	<b>293 tCO<sub>2</sub>e (292.5 tCO<sub>2</sub>e in 2021-22)</b>

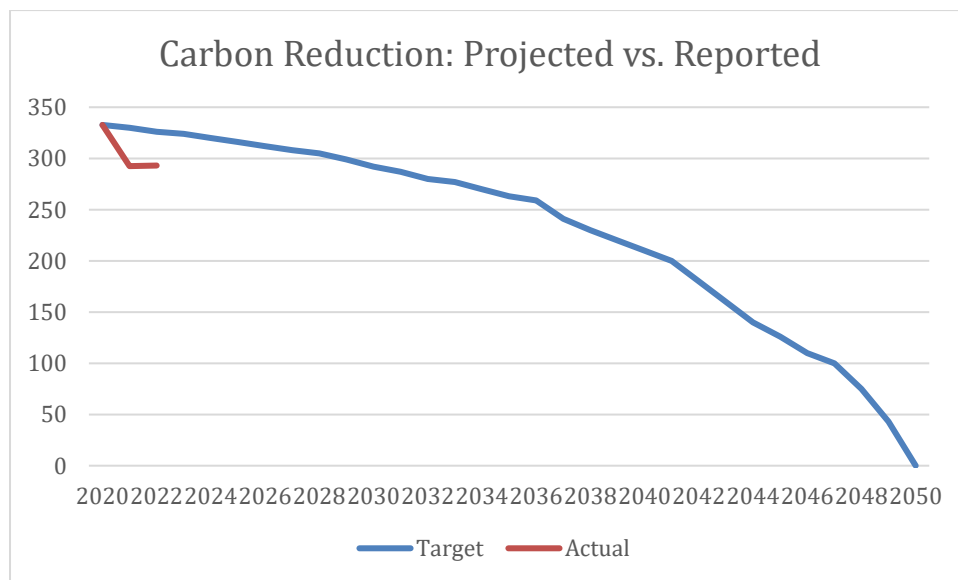
## Emissions Reduction Targets

The company has no previous emissions reduction commitment so targets only are provided.

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 from the baseline figure to 316 tCO<sub>2</sub>e by 2025. This is a reduction of 5%

Progress against these targets can be seen in the graph below, we are currently ahead of target:



## Carbon Reduction Projects

### Completed Carbon Reduction Initiatives

No environmental management measures and projects have been completed or implemented since the 2020-21 baseline therefore no carbon emission reduction achieved by these schemes can be reported.

### Completed/ongoing carbon reduction projects. This is for information only.

The company has held ISO14001 since commencement of trading and has identified emissions from the company vehicle fleet as the primary source of emissions.

The company has a policy for new vehicles to the fleet where possible to be fully electric, failing which hybrid or to have the latest low emission engines. The company currently has: cars: 6 fully electric, 1 petrol hybrid, 2 diesel; vans: 8 small vans (small car equivalent), 18 large vans (typically Mercedes sprinter).

Completed projects include: installation of solar PV (c64kWp); installation of heat pump heating/cooling system for office areas; replacement of exterior and warehouse lighting with LED.

Replacement of LED lighting to office areas has commenced on a phased approach and should complete in 2024.

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

- Continuing the reduction of emissions from the fleet.
- Process optimisation to reduce the number of visits to properties and consequential fuel saving
- \*Continued investment in transferring away from paper to electronic media
- \*Reviewing office waste disposal

\* Not included in reporting scope but form part of our ISO14001 Aspects & Impacts Analysis.

## 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<sup>1</sup> and uses the appropriate Government emission conversion factors for greenhouse gas company reporting<sup>2</sup>.

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<sup>3</sup>.

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: 1/11/2023

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<sup>1</sup> <https://ghgprotocol.org/corporate-standard>

<sup>2</sup> <https://www.gov.uk/government/collections/government-conversion-factors-for-company-reporting>

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