

Carbon Reduction Plan

Supplier name: ABCA Systems Limited

Publication date: 19/01/2024

Commitment to achieving Net Zero

ABCA Systems 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.

Baseline Year: 2023 (September)	
Additional Details relating to the Baseline Emissions calculations.	
ABCA measure our environmental footprint by reporting on Scope 1, 2 & 3 emissions, calculated in line with the GHG Protocol.	
Baseline year emissions:	
EMISSIONS	TOTAL (tCO₂e)
Scope 1	12
Scope 2	23.2
Scope 3 (Included Sources)	622

Total Emissions	657.2
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Current Emissions Reporting

Reporting Year: 2023 (September)	
EMISSIONS	TOTAL (tCO ₂ e)
Scope 1	12
Scope 2	23.2
Scope 3 (Included Sources)	622
Total Emissions	657.2

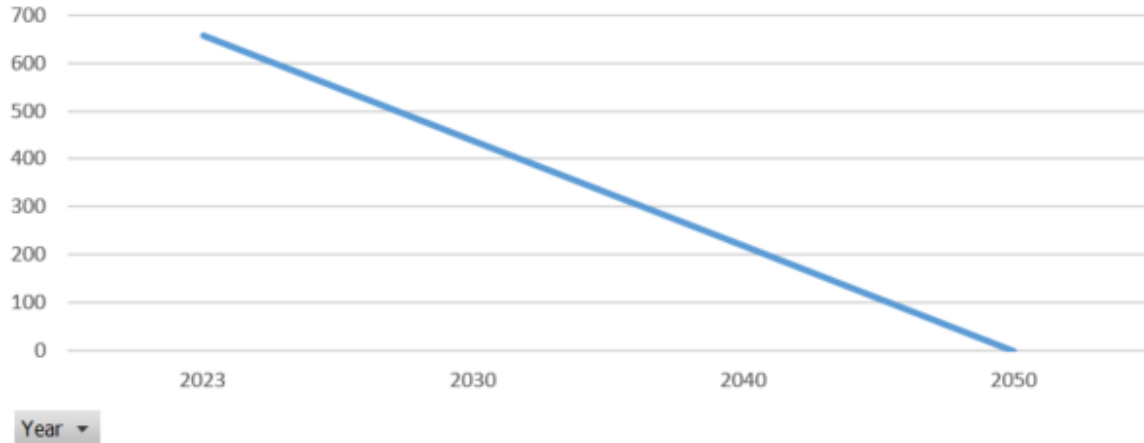
Emissions reduction targets

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 five years to 575.05 tCO₂e by 2028. This is a reduction of 18.5%

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

Carbon Reduction Projection



Carbon Reduction Projects

Completed Carbon Reduction Initiatives

The following environmental management measures and projects have been completed or implemented in 2023. The carbon emission reduction achieved by these schemes equate to 24.3 tCO₂e, a 3.7% reduction against the 2022 baseline and the measures will be in effect when performing the contract.

- Our environmental management system across the UK is UKAS certified to ISO 14001.
- All lighting situated across all offices have been replaced with LED fittings, with the majority installed with microwave sensors and 15 minute timers to reduce energy waste.
- We have held carbon literacy training for members of staff to encourage all staff to be conscious of and actively reduce their carbon footprint.
- 75% of materials removed from site are returned to our stores for recycling.
- 83% of packaging is currently recycled.
- We have reduced rail and road traffic for management staff by conducting both internal and external meetings via Microsoft Teams, rather than in person.
- 10% of our existing fleet of vehicles are electric or hybrid.

ABCA Systems Limited

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Registered Company No. 06294877

- Any vehicles within our fleet that are not electric or hybrid are Euro 6 deisel, and all drivers are required to use AdBlue diesel exhaust fluid to break down harmful NOx emissions into harmless natural nitrogen and oxygen gases.
- Our head office in the North East has been fitted with solar panels to provide renewable energy.
- A cycle to work scheme is offered to all employees.

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

- We are planning to hold further carbon literacy training sessions for all field and office staff to further understanding of the way in which they can contribute to carbon reduction.
- We are looking into switching office energy suppliers to 100% renewable energy such as Green Energy UK where we are in control of the supply of energy (i.e. in office that are owned rather than shared).
- We aim to increase the percentage of materials removed from site returned to our stores for recycling to 85%.
- We aim to recycle 90% of cable removed from sites.
- We aim to increase the percentage of packaging that is recycled to 100%.
- We will continue to hold meetings via Microsoft Teams and other video calling software, rather than holding in-person meetings, to continue to reduce rail and road travel.

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.

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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 ABCA Systems Limited:



Philip Miller

Managing Director

Date: 19/01/2024

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>

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