

# Carbon Reduction Plan

Supplier name: Building Automation Controls Ltd

Publication date: 30<sup>th</sup> May 2025

## Commitment to achieving Net Zero

Building Automation Controls Ltd (BAC) is committed to achieving Net Zero greenhouse gas emissions by 2050. This commitment aligns with international efforts to limit global warming to 1.5°C under the Paris Agreement. BAC recognises its responsibility to mitigate climate impacts through active carbon management, technology deployment, and sustainable business practices.

## 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	
Additional Details relating to the Baseline Emissions calculations.	
<i>At the time of establishing our baseline year (2022), Building Automation Controls Ltd had not previously reported Scope 3 emissions in line with the requirements of this framework. As such, the 2022 baseline includes newly assessed Scope 3 categories such as business travel, employee commuting, and purchased goods and services. This marked the first comprehensive carbon footprint assessment undertaken by the company. The baseline year was selected to reflect the most recent stable operational year following internal restructuring and expansion of our services portfolio. Future updates will continue to build on this baseline with increased data accuracy and coverage.</i>	
Baseline year emissions:	
EMISSIONS	TOTAL (tCO <sub>2</sub> e)
Scope 1	15 tonnes CO <sub>2</sub> e (company vehicles and gas use)
Scope 2	22 tonnes CO <sub>2</sub> e (electricity consumption for offices and facilities)
Scope 3 (Included Sources)	Business travel: 10 tonnes CO <sub>2</sub> e Employee commuting: 12 tonnes CO <sub>2</sub> e Purchased goods & services: 35 tonnes CO <sub>2</sub> e
Total Emissions	94 tonnes CO <sub>2</sub> e

## Current Emissions Reporting

Reporting Year: 2024	
EMISSIONS	TOTAL (tCO <sub>2</sub> e)
Scope 1	13 tonnes CO <sub>2</sub> e
Scope 2	18 tonnes CO <sub>2</sub> e
Scope 3 (Included Sources)	Business travel: 7 tonnes CO <sub>2</sub> e Employee commuting: 10 tonnes CO <sub>2</sub> e Purchased goods & services: 30 tonnes CO <sub>2</sub> e
Total Emissions	78 tonnes CO <sub>2</sub> e

## Emissions reduction targets

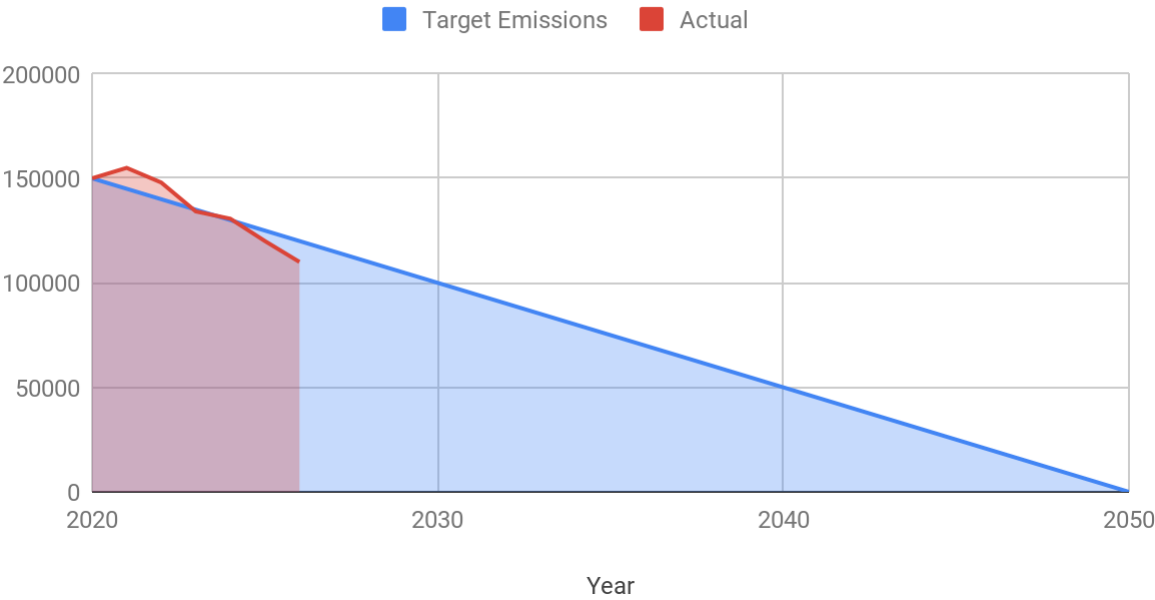
To support emissions reductions in the delivery of contracts, BAC will implement the following measures:

- ISO 14001-aligned Environmental Management System (EMS) across all operations
- Transition to LED lighting and smart energy controls in BAC's own offices
- Increase use of remote diagnostics and virtual commissioning tools to reduce travel
- Prioritise electric or hybrid vehicles for site visits and services
- Implement supplier sustainability questionnaires and carbon reporting for key suppliers
- Engage staff through training, carbon literacy programs, and incentives for low-carbon commuting.

We project that carbon emissions will decrease over the next five years to fifty-eight (58) tCO<sub>2</sub>e by 2029. This is a reduction of 38% from our 2022 baseline.

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

### Carbon Reduction: Projected vs. Actual



## **Carbon Reduction Projects**

### **Completed Carbon Reduction Initiatives**

The following environmental management measures and projects have been completed or implemented since the 2022 baseline. The carbon emission reduction achieved by these schemes equates to 16 tCO<sub>2</sub>e, a 17% reduction against the 2022 baseline, and the measures will be in effect when performing the contract:

- Implementation of LED and PIR-controlled lighting in BAC office locations.
- Introduction of a hybrid working policy, reducing commuting and office energy consumption.
- Use of remote diagnostics and virtual commissioning tools, lowering the need for in-person travel.
- Gradual electrification of fleet vehicles and prioritisation of low-emission transportation.
- Transition to renewable energy tariffs for electricity where available.
- Launch of an internal sustainability awareness campaign to encourage staff engagement.
- Completion of a carbon footprint assessment for Scope 1, 2, and key Scope 3 emissions.

### **Future Carbon Reduction Initiatives**

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

- Increasing the share of fully electric vehicles in the company fleet.
- Requiring key suppliers to report emissions and demonstrate reduction targets.

- Installing solar photovoltaic (PV) panels at our primary office facility.
- Enhancing building automation for our own premises to optimise energy performance.
- Submitting targets to the Science-Based Targets initiative (SBTi) for formal validation.

## Declaration and Sign Off

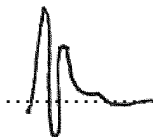
This Carbon Reduction Plan has been completed in accordance with PPN 06/21 and associated guidance and reporting standard for Carbon Reduction Plans.

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>4</sup> and uses the appropriate Government emission conversion factors for greenhouse gas company reporting<sup>5</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>6</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: 30<sup>th</sup> May 2025

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<sup>4</sup><https://ghgprotocol.org/corporate-standard> <sup>5</sup><https://www.gov.uk/government/collections/government-conversion-factors-for-company-reporting> <sup>6</sup><https://ghgprotocol.org/standards/scope-3-standard>