Carbon Reduction Plan

Supplier name: Advanced Emergency Vehicles Ltd

Publication date: 27/06/2024

Commitment to achieving Net Zero

Advanced Emergency Vehicles 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: 2024	
Additional Details relating to the Baseline Emissions calculations.	
Advanced Emergency Vehicles commenced trading in February 2024.	
Baseline year emissions:2024	
EMISSIONS	**TOTAL (tCO_2e)**
Scope 1	**162**
Scope 2	**10**
Scope 3 (Included Sources)	**236**
Total Emissions	**408**

Current Emissions Reporting

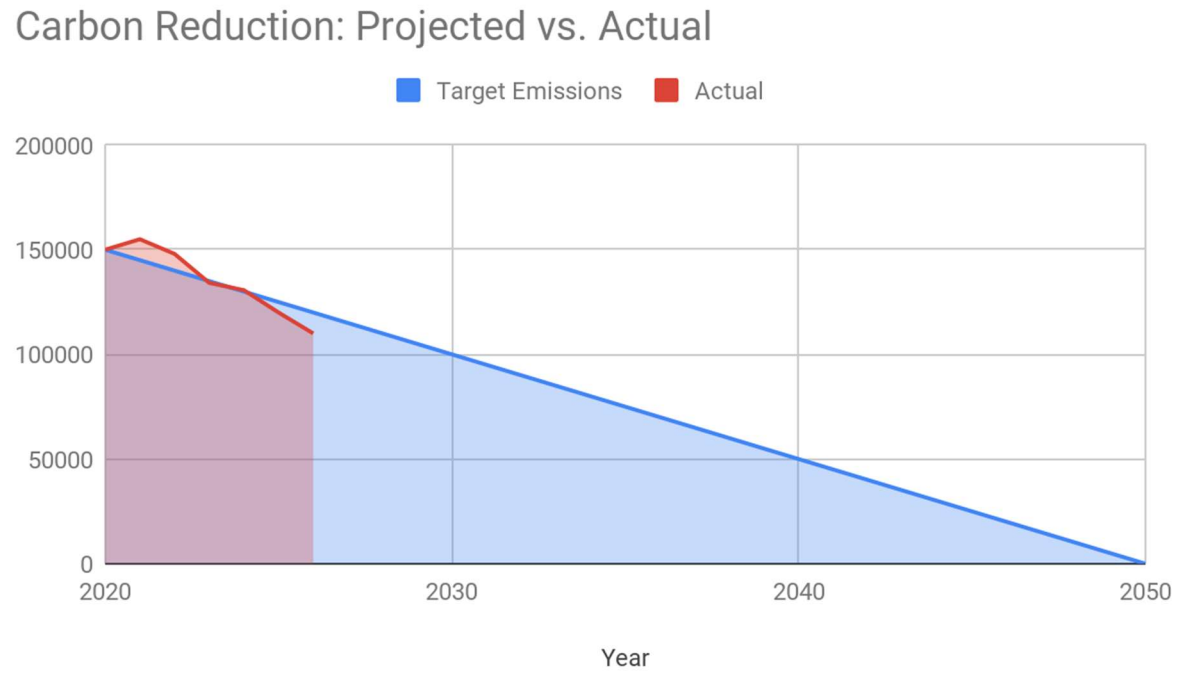
Reporting Year: 2026	
EMISSIONS	**TOTAL (tCO_2e)**
Scope 1	**136**
Scope 2	**7**
Scope 3 (Included Sources)	**198**
Total Emissions	**341**

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 **204** tCO_2e by 20**30**. This is a reduction of **50**%

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



Carbon Reduction Projects

Completed Carbon Reduction Initiatives

The following environmental management measures and projects have been completed or implemented since the 2024 baseline. The carbon emission reduction achieved by these schemes equate to 67 tCO_2e, a 16%ge reduction against the 2024 baseline and the measures will be in effect when performing the contract.

- Advanced Emergency Vehicles are accredited with ISO14001 with regular audits conducted by a UKAS accredited certification body.

Energy Efficiency and Renewable Energy

- Energy Audits: Conduct comprehensive energy audits to identify and implement energy-saving opportunities across the whole facility.

Sustainable Manufacturing Processes

- Recycled Materials: Increase the use of recycled and sustainable materials in the production of emergency vehicles.
- Waste Reduction: Implement zero-waste-to-landfill initiatives and enhance recycling rates within our operations.
- Process Optimization: Invest in cutting-edge, energy-efficient manufacturing technologies to reduce energy consumption and emissions.

Product Design and Lifecycle Management

- Eco-friendly Design: Focus on designing vehicles that are energy-efficient, durable, and recyclable.
- Lifecycle Assessments: Conduct thorough lifecycle assessments to identify and mitigate environmental impacts from production to end-of-life.
- Battery Recycling: Develop and implement a robust battery recycling program to ensure responsible disposal and reuse of battery components.

Supply Chain Sustainability

- Supplier Collaboration: Work closely with suppliers to reduce emissions and adopt sustainable practices throughout the supply chain.
- Sustainable Sourcing: Ensure that materials are sourced from suppliers who demonstrate strong environmental stewardship.
- Logistics Optimization: Optimize logistics and transportation methods to reduce fuel consumption and emissions.

Future carbon reduction initiatives
In the future we hope to implement further measures such as:

- Fleet Electrification: Transition our vehicle fleet to electric vehicles.
- Telecommuting and Flexible Work: Promote telecommuting and flexible work arrangements to minimize travel-related emissions.
- Green Building Standards: Ensure all new buildings and renovations meet green building standards such as LEED or BREEAM.
- Renewable Energy Transition: Transition to 100% renewable energy sources for the manufacturing facility and offices by 2030.
- Energy Management Systems: Implement advanced energy management systems to monitor and optimise energy use.

Declaration and Sign Off
This Carbon Reduction Plan has been completed in accordance with PPN 006 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. Signed on behalf of Advanced Emergency Vehicles:

Date: 18/05/2026

[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