

Period: 01 April 2024 - 31 March 25

Introduction

ATC Systems Ltd is committed to achieving Net Zero for all its UK operations by 2050, aligning with the UK guidelines for net zero by 2050. This Carbon Reduction Plan (CRP) provides a comprehensive overview of our greenhouse gas (GHG) emissions and outlines our strategy, mechanisms, and initiatives for ensuring sustainable processes designed to reduce environmental, economic, and social impact. This report is developed in accordance with the NHS Net Zero Supplier Roadmap requirements and timescales.

This Carbon Reduction Plan document will be publicly available on the ATC Systems Ltd website at www.atc-systems-ltd.com to ensure transparency and accountability to our stakeholders.

Organisational and Geographical Boundaries

This Carbon Reduction Plan (CRP) covers all operations of ATC Systems Ltd within the United Kingdom. This encompasses our head office and manufacturing plant in Belfast, Northern Ireland, and all company-owned vehicles used for business operations, including engineer travel. It also includes business travel undertaken by staff using personal vehicles where mileage allowance is reimbursed.

Environmental Reporting Methodology

For this report, ATC has employed the "tonnes of carbon dioxide equivalent per year" (tCO₂e /year) equation to estimate our greenhouse gas emissions. This equation follows the UK Government's DEFRA/BEIS 2024 GHG Conversion Factors for Company Reporting procedure, allowing us to convert various negative outputs into a common unit based on their global warming potential (GWP). Each type of fuel has a specific conversion factor that represents the amount of CO₂e emissions produced per unit of fuel consumed. These factors are derived from scientific data and standardised by organisations such as the Intergovernmental Panel on Climate Change (IPCC). The calculator multiplies the amount of fuel consumed by the corresponding conversion factor to estimate the CO₂e emissions.

The formula is: CO₂e Emissions = Fuel Consumption x Conversion Factor.

Explicit Conversion Factors Used:

Diesel (Company Vehicles & Staff Mileage) 0.251 kg CO₂e per mile (DEFRA/BEIS, 2024, *Conversion Factors for diesel road transport*).

Onsite Fuel Combustion (Manufacturing Plant - Natural Gas): 0.184 kg CO₂e per kWh (DEFRA/BEIS, 2024, *Conversion Factors*).

Purchased Electricity (UK Grid Average): 0.193 kg CO₂e per kWh (DEFRA/BEIS, 2024, *Conversion Factors*).



Purchased Heating and Cooling (Assumed Natural Gas Source): 0.184 kg CO₂e per kWh (DEFRA/BEIS, 2024, *Conversion Factors*).

Emissions Data

To effectively navigate our journey towards net zero by 2050, it is imperative to have a comprehensive understanding of our carbon footprint. This section outlines our greenhouse gas emissions (GHG) associated with our operations, including energy usage at our Belfast offices/ manufacturing plant and transportation emissions from our company vehicles.

Baseline Year & Current Period:

The baseline year for the organisations' calculations is 1st April 2023 – 31st March 2024.

• Baseline year emissions: 2023/24

Emissions	Total (tCO ₂ e)
Scope 1	128.65
Scope 2	10.38
Scope 3	24.35
Total emissions = 163.38	
• The current reporting period is 1st April 2024 – 31st March 2025.	
Emissions	TOTAL (tCO2e)
Scope 1	127.36
Scope 2	10.27
Scope 3	24.11

Emissions reduction targets

Total emissions =161.74

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 155.21 tCO2e by 2029. This is a reduction of 5%.





Assessing Our Current Carbon Footprint

To effectively navigate our journey towards net zero by 2050, it is imperative to have a comprehensive understanding of our current carbon footprint. This section outlines our approach to assessing the greenhouse gas emissions (GHG) associated with our operations, including energy usage at our Manchester office and Northern Ireland manufacturing plant, transportation emissions from our engineers, shipping activities and waste streams from both our office and production areas. By systematically tracking and analysing these key areas, we can identify opportunities for improvement, set realistic reduction targets and implement strategies that align with our sustainability goals. This assessment will serve as the foundation for our carbon reduction plan, ensuring that our efforts are data driven and impactful.

Energy Usage Tracking

Electricity Consumption

- Analyse existing smart meters to examine real time electricity usage.
- Track monthly electricity bills and record consumption in kWh.
- Identify high consumption equipment and implement energy saving measures.



Heating and Cooling

- Monitor usage of heating and cooling systems.
- Record monthly energy consumption for heating and cooling separately.

Fuel Consumption

• Record monthly fuel consumption and calculate associated emissions.

Waste Streams Tracking

General Waste

- Conduct a waste audit to identify types and quantities of waste produced.
- Implement a waste management system to track waste disposal and recycling rates.

Recycling

- Establish designated recycling bins for paper, plastic, and other recyclable materials.
- Track the amount of waste diverted from landfill through recycling.

Production Waste

- Conduct a waste audit to identify types and quantities of waste produced during assembly (t/yr).
- Implement a waste management system to track waste disposal and recycling rates.

Setting Clear Objectives

To ensure our carbon reduction efforts are both realistic and impactful, we have established a set of modest yet meaningful short-term and long-term goals. These goals are designed to guide our journey towards sustainability, aligning not only with the UK guidelines for net zero by 2050 but also with the broader principles of the UN Sustainable Development Goals (SDGs), particularly SDG 13 (Climate Action), SDG 7 (Affordable and Clean Energy), and SDG 12 (Responsible Consumption and Production). Furthermore, our plan is developed in accordance with the NHS Net Zero Supplier Roadmap requirements and timescales, which can be found at https://www.england.nhs.uk/greenernhs/get-involved/suppliers/.

By setting achievable targets and aligning with these crucial frameworks, we can maintain momentum and demonstrate measurable progress to our stakeholders.

In the short term, we aim to reduce our energy consumption by 5% within the next year. This will be achieved through the implementation of energy-efficient practices, such as upgrading to LED lighting, optimising equipment usage, and improving insulation in our facilities. Additionally, we plan to decrease waste sent to landfill by 10% and increase recycling rates by 15%. These targets will be supported by comprehensive waste management systems and employee engagement initiatives.



For the long term, our goals include transitioning to 50% renewable energy sources within the next five years and achieving a 25% reduction in transportation emissions. We will work towards these objectives by investing in renewable energy solutions, such as solar panels and gradually replacing our company vehicles with electric or hybrid models. Furthermore, we aim to implement a zero-waste policy within the next decade, ensuring that all waste is either recycled or repurposed.

To achieve these goals, we will adopt a multifaceted approach that includes regular monitoring and reporting of our progress through our partnership with Carbon Fit, continuous improvement of our sustainability practices, and active engagement with our employees and stakeholders. By fostering a culture of sustainability within our organisation, we can drive meaningful change and contribute to a more sustainable future.

Engage Employees and Stakeholders

Engaging employees and stakeholders is crucial for the successful implementation of our carbon reduction plan. By fostering a culture of sustainability within our organisation, we can drive meaningful change and ensure that everyone is aligned with our goals.

To ensure that our employees are well informed about sustainability practices, we will conduct regular training sessions and workshops. For example, we can organise a workshop on energy saving techniques, where employees learn how to reduce energy consumption in their daily tasks. Additionally, we can provide online resources to help employees stay updated on the latest sustainability trends and best practices.

Offering incentives is an effective way to motivate employees to contribute to our carbon reduction efforts. For instance, we can introduce a rewards program that recognises employees who consistently demonstrate sustainable behaviours, such as reducing waste or using public transport. We could also offer incentives, such as bonuses or gift cards, for employees who proactively engage with our sustainability targets.

Clear and transparent communication is essential for keeping stakeholders informed about our sustainability goals and progress. We will regularly update our stakeholders through newsletters, reports, and meetings. For example, we can publish an annual sustainability report that highlights our achievements, challenges, and future plans. Additionally, we can create a dedicated section on our website where stakeholders can access information about our carbon reduction initiatives and track our progress. By implementing these strategies, we can ensure that our employees and stakeholders are actively engaged in our sustainability journey. This collaborative approach will not only help us achieve our carbon reduction goals but also enhance our reputation as a responsible and forward-thinking organisation.



Integrated Management System & Compliance Champions

As we advance our commitment to sustainability and social responsibility, it is essential to integrate robust environmental management practices into our existing frameworks. By incorporating ISO 14001 into our current management systems (ISO 9001 for Quality Management and ISO 45001 for Occupational Health and Safety), we can create a comprehensive Integrated Management System (IMS) that streamlines our operations, enhances compliance, and drives continuous improvement. The integration of these standards will not only help us meet regulatory requirements but also position us as leaders in sustainable business practices. ISO 14001 will provide a systematic approach to managing our environmental impact, ensuring that we minimise our carbon footprint and promote resource efficiency. This, combined with the quality and safety standards of ISO 9001 and ISO 45001, will enable us to deliver superior products and services while safeguarding the well-being of our employees and the environment.

Future-proofing our business through the adoption of an Integrated Management System will ensure that we remain agile and resilient in the face of evolving market demands and environmental challenges. By harmonising our management systems, we can reduce duplication of efforts, improve operational efficiency, and foster a culture of sustainability across the organisation. This strategic approach will not only enhance our competitive edge but also demonstrate our unwavering commitment to corporate social responsibility and sustainable development.

Commitment to Annual Review and Reporting

This Carbon Reduction Plan will be formally reviewed and updated annually to reflect our ongoing progress and evolving best practices. We will report our progress through published progress reports and continuous carbon emissions reporting via the Evergreen Supplier Assessment tool.

Net Zero Corporate Champion

ATC Systems Ltd has appointed Craig Blair, Managing Director, as the "Supplier Net Zero Corporate Champion". This champion is responsible for overseeing compliance with the CRP clauses, and any net zero requirements in contracts. In the event of a failure to comply with clauses 8.1 and 8.2, the Approved Organisation may escalate this to the Supplier Net Zero Corporate Champion. Within ten business days of escalation, the champion will confirm in writing the steps and timescales to remedy the failure. ATC Systems Ltd will then remedy the failure by taking these confirmed steps and any other reasonable additional steps to ensure it is remedied as soon as reasonably possible.



Net Zero and Social Value Champion

ATC Systems Ltd has appointed Chris Campbell, SHEQ Executive, as the "Supplier Net Zero and Social Value Champion". This champion is responsible for overseeing compliance with clauses 8.4 and 8.5 of Schedule 1 of the Call-off Terms and Conditions. In the event of a failure to comply with clauses 8.4 and 8.5, the Approved Organisation may escalate this to the Supplier Net Zero and Social Value Champion. Within ten business days of escalation, the champion will confirm in writing the steps and timescales to remedy the failure. ATC Systems Ltd will then remedy the failure by taking these confirmed steps and any other reasonable additional steps to ensure it is remedied as soon as reasonably possible.

Approved by:

Name: Craig Blair

Title: Managing Director

Signature: C. Blair

Date: 10/06/2025