



### Introduction

Explore Modular is committed to achieving Net Zero carbon emissions by 2050. This Carbon Reduction Plan outlines our current carbon footprint, the measures we are taking to reduce emissions, and our commitment to sustainable practices throughout our operations.

### Organisational Commitment

As the South East's leading supplier of sustainable modular buildings, we integrate sustainability into every aspect of our business. Our approach focuses on reducing carbon emissions across our entire value chain, including design, manufacturing, and construction processes. We are dedicated to contributing to a greener future by aligning our operations with the goals set forth in the UK Government's Net Zero strategy.

### Current Emissions Footprint

Baseline Year: 2023

Scope 1 Emissions (Direct): 4.73 metric tons CO<sub>2</sub>e per year

Scope 2 Emissions (Indirect - Energy): 6.34 metric tons CO<sub>2</sub>e per year

Scope 3 Emissions (Supply Chain): 32.95 metric tons CO<sub>2</sub>e per year

Total Carbon Emissions: 43.92 metric tons CO<sub>2</sub>e per year

### Emissions Reduction Targets

Explore Modular has set the following reduction targets:

- 2025: Reduce overall emissions by 20%
- 2030: Reduce overall emissions by 50%
- 2040: Achieve Net Zero carbon emissions

### Key Initiatives and Strategies

#### 1. Sustainable Materials

- Use of recycled steel chassis for all modular buildings.
- Sourcing materials locally to reduce transportation emissions.
- Implementation of waste management practices with near-zero landfill waste.

#### 2. Energy Efficiency

- Achieve A+ energy ratings for all buildings through high-efficiency insulation, renewable energy integration, and smart building management systems (BMS).
- Installation of solar panels and ground/air source heat pumps across all new projects.
- Transition to 100% renewable electricity across all facilities by 2030.

#### 3. Manufacturing Process

- Optimise manufacturing processes to reduce waste and energy consumption.

- Implement continuous improvement programs to enhance energy efficiency within our factories.

#### 4. Transport and Logistics

- Shift to electric vehicles (EVs) for our fleet by 2030.
- Optimise logistics and reduce delivery frequency through improved supply chain management and modular construction.

#### 5. Employee Engagement and Training

- Conduct regular training programs to raise awareness and promote energy-saving practices among employees.
- Encourage remote working and virtual meetings to reduce commuting and travel-related emissions.

#### 6. Supply Chain Collaboration

- Work closely with suppliers to ensure they are also committed to reducing their carbon footprint.
- Encourage the adoption of green technologies and practices among our partners.

### Monitoring and Reporting

Explore Modular will monitor progress towards our emissions reduction targets through regular data collection and analysis. We will publish an annual sustainability report detailing our carbon emissions, reduction achievements, and future goals.

### Governance and Leadership

Our Carbon Reduction Plan is overseen by the Sustainability Committee, which reports directly to the Board of Directors. The committee is responsible for setting targets, reviewing progress, and ensuring that all departments are aligned with our Net Zero goals.

### Conclusion

Explore Modular is fully committed to achieving Net Zero carbon emissions by 2050. This Carbon Reduction Plan is a critical component of our broader sustainability strategy, demonstrating our dedication to reducing environmental impact and supporting the global transition to a low-carbon economy.

13<sup>th</sup> August 2023

*George Blundell*

George Blundell

Managing Director  
Explore Modular

## Leading the Way in Eco-Friendly Construction

### Transform Your Building Projects with Sustainable Solutions

At Explore Modular, we take pride in being the South East's leading supplier of sustainable modular buildings.

Our commitment to eco-friendly practices is evident in every aspect of our process, from the materials we use to the energy efficiency of our finished products.

#### Built on Sustainability

Our modular buildings are constructed with a focus on sustainability. **We utilise recycled steel chassis, ensuring that our structures are not only strong and durable but also environmentally responsible.** By using recycled materials, we significantly reduce waste and minimise our carbon footprint, aligning with our mission to go beyond net-zero targets.



#### Achieving Excellence in Energy Efficiency

We don't just meet standards; we exceed them. **Our buildings are designed to achieve A+ energy ratings, setting a new benchmark in the industry.** This level of energy efficiency helps our clients' lower operational costs while contributing to a greener future.

#### Precision and Quality in Every Build

Constructed in a controlled factory environment, our modular buildings are produced with meticulous attention to detail. This method allows us to optimise material usage, reduce waste, and ensure consistently high-quality standards. **Our factory-based process also means quicker build times, reducing site disruption and allowing your project to be completed up to 50% faster than traditional construction methods.**

#### Sustainable Features and Renewable Energy Integration

Explore Modular buildings are not just about meeting today's needs—they're about anticipating tomorrow's challenges. We offer a range of environmentally friendly options, including:

- Solar panel water heating systems
- PV panel electrical supply
- Ground and air source heating solutions
- Rainwater harvesting systems
- Biomass boilers
- Highly efficient air conditioning and comfort systems
- Controlled heating and lighting systems (BMS)

These features ensure that your building is not only efficient today but adaptable to future energy requirements.



### Less Waste, More Impact

**We believe in minimising waste at every stage of the construction process.** In our factory, all materials—including steel, aluminium, and timber—are carefully segregated for recycling, with nearly zero waste sent to landfill. This approach ensures that our environmental impact is as low as possible.

### Supporting the Local Community

We are committed to reducing our environmental impact beyond just materials. **Wherever possible, we source labour locally, reducing travel emissions and supporting the local economy.** Additionally, fewer deliveries to site mean less disruption to your neighbourhood and a quieter, cleaner environment.

### The Explore Modular Advantage

Choosing Explore Modular means choosing a partner dedicated to sustainability, quality, and efficiency. Our modular buildings offer:

- Reduced noise and pollution on site
- Less waste with a focus on recycling
- Faster construction times, leading to cost savings and quicker project completion
- Consistent, high-quality results from a factory-controlled environment

### Ready to Take the Next Step?

Explore Modular is here to help you create a sustainable, efficient, and high-quality building project. Contact us today to find out how we can help you achieve your environmental and construction goals.

[www.exploremodular.co.uk](http://www.exploremodular.co.uk)