

Crendon Timber Engineering Limited | 2023

# Towards a Sustainable Future

An ambitious Carbon Reduction Plan  
compliant with PPN 06/21

Crendon Timber Engineering Limited are a verified Net Zero/climate positive company  
(when assessed against scopes 1, 2, and 3)







# Introduction

In 2019 the UK became the first major economy to pass a Net Zero emissions law, meaning the UK government is legally required to reach Net Zero emissions by 2050. When the UK government published its Procurement Policy Note 06/21 (PPN 06/21) it was clear that businesses should focus on building the economy in a more sustainable manner; since then the scope of this requirement has broadened to encompass other sectors.

In September 2020, the Future Homes Task Force was set up to develop a long-term delivery plan for the sector in line with the Government's legally binding net zero and wider environmental targets.

Their goals include:

- High quality homes that are net zero carbon ready and sustainable
- Places and developments that are consistently low carbon, nature-rich, resilient, healthy, well designed and beautiful by 2025
- Production and construction methods that are net zero and sustainable by 2050 with substantial progress by 2025 and 2030



## Our Approach

Crendon Timber Engineering Limited is part of a wider group called Wyckham Blackwell Group (WBG). WBG is a high quality, innovative and customer-focused group that is committed to sustainability. All companies within WBG specialise in manufacturing a variety of timber products for the construction industry. Crendon Timber Engineering Limited most commonly manufactures roof trusses for the construction of homes.

As a value-led and customer-centric business, we recognise that sustainability is not only good for the planet, but it is also good for our customers and our bottom line. We seek to learn every day to make our business better tomorrow, and that includes reducing our environmental impact, promoting ethical sourcing and production, and investing in sustainable practices across our operations and supply chain.

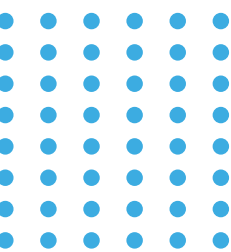
To this end, our business is undertaking a strategic review to ensure our carbon reduction efforts are included across the whole business from our suppliers to our operations, down to our customers.

## Corporate Responsibility and Accountability

Crendon Timber Engineering Limited is on a journey to create a sustainable future and we want to ensure that journey is transparent, credible, impactful, and measurable. To ensure we achieve our aims, we partnered with carbon consultancy Enistic, who calculate and track our carbon emissions in accordance with the GHG protocol.

We firmly believe that our efforts to prioritise sustainability not only align with our core values but also position us for long-term success in an increasingly environmentally conscious society. As part of our sustainability commitment, we have begun the process of attaining Environmental Product Declarations for our products. By doing this, we are beginning to understand the associated embodied carbon within each of our products and therefore are able to communicate the wider impacts to our customers and suppliers. Furthermore, as we begin to understand these impacts ourselves, we can make educated strides to reduce them by working with our suppliers.

By attaining Environmental Product Declarations, we are creating an open channel of communication, with our customers and suppliers. We want to be sustainability leaders in the timber industry and we believe open and honest communication with our stakeholders is an important step in doing this.







**Ed Kirk**

Operations, Innovations, and  
Sustainability Director

“Our objective is to create a climate of excellence, not only for our products and services, but for our employees, those persons affected by our activities and for the environment.

We will manage our activities to minimise, wherever practical, their effect upon the environment. We are committed at all levels and at all functions of the organisation to continually improve our efforts. We recognise this will only be achieved by regular monitoring of our performance against objectives regulated by a committed management system. ”

Ed Kirk,  
Operations, Innovations, and Sustainability Director

“Crendon Timber Engineering Limited are committed to protecting the environment from depletion and degradation. As a business based on manufacturing timber engineered products, we recognise the issues of sustainability and embrace them. ”

Stephen Thompstone  
Chief Executive Officer



# Our Carbon Reduction Targets

Crendon Timber Engineering Limited is committed to a 100% reduction in all scope 1, 2, and 3 emissions by 2050. Our carbon reduction goals align with the IPCC’s carbon reduction roadmap.



All our emission reductions will be primarily achieved through ambitious carbon reduction projects and offsetting carbon emissions will only be considered in cases of unavoidable emissions. Crendon Timber Engineering Limited will work with its partners to establish a yearly emission reduction target and this KPI will be integrated into our reporting system to ensure annual targets are met.

## Emissions Categories

Currently, we measure all our scope 1 and scope 2 emissions following the GHG protocol, and we measure a subset of scope 3 emissions (PPN 06/21 requirement) following the Corporate Value Chain Scope 3 Standard.

GHG Scope	Emissions sources
Scope 1	Direct emissions resulting from sources that are owned and controlled by our organisation
Scope 2	Indirect emissions from purchase of electricity and onsite EV charging
Scope 3	Indirect emissions from other sources not included in Scope 1 and 2 categories





# Completed Carbon Reduction Projects

The following environmental management measures and projects have been implemented before or during 2021.

## Newer Trucks

In recent years, we have made an active effort to replace all our older trucks with newer Euro 6 Trucks. This is almost complete with only four trucks left to replace, which we are hoping to do during 2023.

Euro 6 trucks provide substantial sustainability benefits compared to older truck models. One of the key advantages lies in their significantly reduced emissions of pollutants and greenhouse gases. By incorporating advanced emission control technologies, such as selective catalytic reduction (SCR) and diesel particulate filters (DPF), Euro 6 trucks drastically reduce harmful nitrogen oxides (NOx) and particulate matter (PM) emissions. Furthermore, the enhanced fuel efficiency of Euro 6 trucks reduces fuel consumption and associated carbon dioxide (CO2) emissions, making them more environmentally friendly and helping combat climate change.

## Solar PV Panels

As of July 2023, we currently have solar pv panels installed at four of our sites. The manufacturing industry typically consumes large amounts of energy, resulting in substantial carbon emissions. By adopting solar pv panels, we can reduce our carbon footprint and contribute to a cleaner and greener future.

In addition, solar pv panels provide cost saving benefits. Energy consumption is often a major expense for manufacturing operations, and solar pv panels provide an opportunity to generate electricity on-site and reduce reliance on the grid. By harnessing solar energy, we can significantly lower our energy bills and therefore providing further opportunities for future sustainability investment.



## LED Lighting

In recent years, we have upgraded the majority of our lighting to LED bulbs. LED lights are highly energy-efficient, consuming significantly less electricity compared to traditional incandescent or fluorescent bulbs. This energy efficiency translates into reduced electricity bills and a positive environmental impact by lowering carbon emissions. Additionally, LEDs have an impressively long lifespan, lasting up to 50,000 hours or more, which means fewer replacements and reduced maintenance costs.





# Future Carbon Reduction Projects

We aim to implement the following carbon reduction projects to reach our emission goals.

## Electric Material Handling Plant

Currently, the majority of our plant vehicles (forklifts and side loaders) are powered by fuels such as diesel. In the next four years, we are aiming to replace all of these with electric vehicles. This will total 57 forklifts being upgraded and thus will eliminate our fuel usage on site.

In addition to their environmental benefits, electric forklifts are also cost-effective in terms of their usage and maintenance costs, the batteries in electric forklifts can be charged overnight. This not only saves time and effort but also makes it possible to take advantage of cheaper electricity tariffs.

## Continue to Install Solar PV Panels

In an effort to continue reducing our scope 2 footprint, we will continue installing solar pv panels at our sites. We are currently in the process of having them installed at five sites meanwhile solar pv is under consideration at our additional sites.

## Considering Installing a Battery for Solar PV Panels

In addition to installing solar pv panels, we are also considering installing batteries to store the additional solar energy. As our sites are only open for one shift, 5 days a week, we are generating energy that we are unable to use. Therefore, if we were to store this energy, we could use this when our panels are not generating electricity (i.e. when there's little sun light) rather than purchasing energy from the grid.

## Electric/Hybrid Company Vehicles

We will also continue to integrate electric/hybrid vehicles into the company fleet. Electric and hybrid vehicles are becoming increasingly popular as a more sustainable and environmentally friendly alternative to traditional petrol or diesel-powered cars. These vehicles utilise electric motors and batteries to power the vehicle and reduce or eliminate the need for fossil fuels.





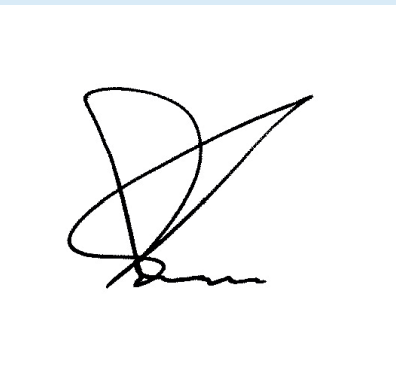
# Declaration and Sign Off

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 and uses the appropriate Government emission conversion factors for greenhouse gas company reporting.

Scope 1 and Scope 2 emissions have been reported in accordance with the Streamlined Energy and Carbon Reporting (SECR) requirements, and the subset of Scope 3 emissions have been reported in accordance with the published standard for Carbon Reduction Plans and the Corporate Value Chain (Scope 3) Standard.

This Carbon Reduction Plan has been reviewed and signed off by the Board of Directors for Crendon Timber Engineering Limited.

**Signed**



**Name: Stephen Thompstone**

**Position: CEO**

**Date: 19th October 2023**





enistic

# NET ZERO

## CERTIFICATE

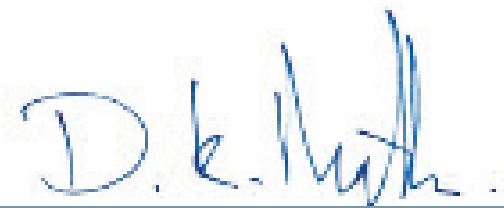
presented to:

**Crendon Timber Engineering Limited**

---

Has successfully been verified by the Enistic  
Certification Team.

For and on behalf of Enistic



Darryl Mattocks

Valid until 18 October 2024  
Licence No. NETZERO-J272





