

Barnwood Limited Carbon Statement



1st May 2025 →

| Carbon Reduction Plan 2025

Our Commitment to Carbon Reduction

Our commitment to our environmental, social and governance goals is not just about compliance but about fostering a sustainable culture for Barnwood, our employees, customers, and communities in the UK and globally.

About Barnwood

At Barnwood, we are committed to reducing our environmental impact and playing our part in addressing the global climate crisis. Sustainability is central to how we operate, so we continue to measure, monitor, and reduce our carbon emissions across all areas of the business.

As an employee-owned trust, we have a very clear steer from our employees over environmental and social issues. This is encapsulated in our core values: reputation, trust, quality, reliability, collaboration, and these values support our ethical behaviours.

Our ethos of maintaining relations with the local supply chain - and thereby maximising the economic benefit to Gloucestershire - equally supports our ambition to reduce our carbon footprint by reducing distance travelled for goods and materials. Similarly, our commitment to collaboration and reliability is reflected in the strong, long-standing relationships we have built with key clients at both regional and national levels. We are experienced in achieving buildings that meet BREEAM Accreditation, and are certified to ISO 14001:2015 - demonstrating our commitment to reducing the environmental impact of our activities.



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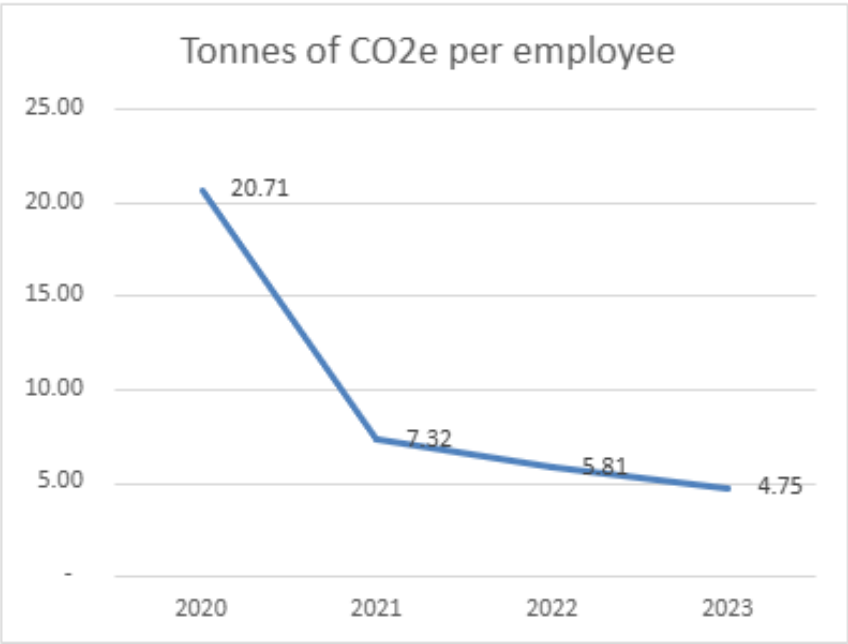
Emissions Footprint

Baseline: 2020

Current: 2024

Table Showing tonnes of Co2e:

	2020	2021	2022	2023	2024	% reduction (2020 vs 2024)
Scope 1 Sub Total	1407.33	967.51	745.7	632.56	600.91	57.30
Scope 2 Sub Total	102.21	56.95	49.62	61.2	41.33	59.56
Scope 3 Sub Total	437.57	366.56	308.8	336.82	351.97	19.56
Total tonnes of Co2e	1947.11	1391.02	1104.12	1,015.44	972.06	50.08



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Barnwood upload our data to the Disclosure and Emissions Factor Database as part of the Carbon Database Initiative ([Carbon Database Initiative \(CaDI\)](#)), ensuring that our progress is visible and transparent.

We have also teamed up with Ecovadis: one of the most trusted business sustainability ratings schemes. EcoVadis allows us to collaborate on sustainability with our clients, be visible on a universal scorecard and helps benchmark us within the industry. Most importantly, it helps us to continually improve our carbon reduction, sustainability and CSR performance.

In 2023, we achieved a total carbon footprint of 384 tCO₂e, calculated in accordance with the GHG Protocol. This represents our Scope 1 and Scope 2 emissions, with further efforts ongoing to assess and manage Scope 3 emissions.

Key Highlights:



- Renewable electricity usage across all our owned offices since 2022.
- Hybrid and electric company vehicles now make up over 70% of our motor fleet.
- Ongoing improvements to site energy efficiency, including the use of LED lighting, PIR sensors, and smart building technology.
- Strong emphasis on sustainable sourcing, responsible waste management, and reducing emissions in our supply chain.

Barnwood have recently been recertified to the FSC's chain of custody FSC standards, and we are proud to use FSC-regulated timber for the majority of our projects.

We are proud to report a 14% reduction in emissions compared to the previous year, reinforcing our goal of continual improvement.

Our carbon targets are:

Reduction %	Description	By
50%	Reduction from 2020 figures	2032
75%	Reduction from 2020 figures	2037

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Whilst we are delighted to report positive progress, we know that the construction industry as whole still has plenty of scope for improvement in its carbon reduction. We have therefore designed and implemented our own carbon reduction plan as follows:

Key Focus Areas	Plan	Do	Check	Act
Use of HVO Fuel for Generators	- Transition all necessary generator use to Hydrotreated Vegetable Oil (HVO) fuel. - Ensure compliance with local regulations and standards.	- Replace diesel with HVO in all required generators. - Educate employees on the benefits and handling of HVO.	- Monitor fuel consumption and emissions compared to diesel. - Regular performance checks of HVO generators.	Adjust HVO usage strategy based on performance data and feedback.
Eco Site Setups	- Implement solar panels on site cabins and use hybrid generators where feasible. - Ensure compliance with local regulations and standards.	- Install solar panels on new and existing site facilities. - Deploy hybrid generators for backup power.	- Measure energy production from solar panels. - Assess the efficiency of hybrid systems in reducing emissions.	Scale up solar installations or adjust hybrid generator usage based on energy savings and site feedback.
Transition to Electric Vehicles	- Convert the company fleet to electric vehicles (EVs) over the next 5 years. - Ensure compliance with local regulations and standards. Engage with stakeholders.	- Purchase EVs for new fleet additions. - Install charging infrastructure at key locations.	- Track the percentage of EVs in the fleet. - Monitor vehicle performance, charging efficiency, and cost savings.	Refine vehicle procurement and charging strategies based on operational data and technology advancements.
Use of Battery Storage at HQ	- Install battery storage systems at the headquarters to store excess renewable energy. - Ensure compliance with local regulations and standards.	- Integrate battery storage with existing solar installations at HQ. - Develop protocols for energy management.	- Monitor battery performance, energy storage, and usage patterns. - Evaluate the reduction in grid dependency.	Optimise battery storage usage and consider expansion based on energy demand and cost savings analysis.

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We remain on track to deliver our carbon aims and regularly check our progress against plans.

Should any of these checks identify that we are at risk of not meeting our targets, senior management will be advised and a new strategy put in place.

Signed: Nathanael Challacombe - Head of HSQE & Sustainability

Date: 22/08/2025