

11 & 12 Wellington Place, Leeds

How did Mainer
Associates achieve such
a high embodied
carbon reduction?



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Firstly, what did
we achieve?

Design Figure A1 - A5

866kg CO₂e/m²

Actual Figure (3rd Party Verified)

533kg CO₂e/m²

Saving

333kg CO₂e/m²

11 & 12 Wellington Place, Leeds

Mainers' role on this ambitious project

Located in Leeds' urban quarter, 11 & 12 Wellington Place is one of the UK's most sustainable office buildings. Mainer Associates have worked on the Wellington Place estate for over 10 years delivering sustainability consultancy for the client and delivery teams.

Appointed as Carbon Consultant, BREEAM Assessor & AP, Fitwel Ambassador and Acoustician, Mainer was integral in the development of the project sustainability credentials achieving **BREEAM Outstanding, Fitwel 2 Star** and reducing the embodied carbon target by **333kg CO₂e/m²**.

BREEAM®

 fitwel®



11 & 12 Wellington Place

Leeds

Following appointment by the client MEPC pre-contract, Mainer partnered with Wates, the contractor, to offer a Carbon Consultant role which focused on reducing the targeted embodied carbon intensity for the build.

The original embodied carbon result of 866 kg CO₂e/m² was significantly reduced to a figure of **533kg CO₂e/m²** at practical completion.

This saving represents an incredible achievement by the whole team and key to this success was the close collaboration with Wates on the supply chain data.



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Mainer were responsible for gathering and reviewing all the supply chain data, this ensured the quantification was exact and that our expertise could identify clear opportunities for real reduction in embodied carbon. Mainer are proud to share that we have now been appointed to deliver the Carbon Consultant role for Wates at 9 Wellington Place.

Mainer can partner with the construction team to offer a Carbon Consultancy role which manages the supply chain data from design through to practical completion to deliver the absolute best embodied carbon results for the project.

With net zero ambitions growing in the UK, Mainer strongly believe that the supply chain management role is key to the success of net zero in the built environment.





11 & 12 Wellington Place is the first in a set of developments at the scheme set to revolutionise sustainable construction while always keeping social responsibility at their heart.



Paul Pavia, Commercial Director

"I led this assessment from tender stage and managed the process through RIBA Stage 4, Construction, and onwards to Practical Completion. I was part of the construction team who collaborated to achieve this fantastic result with key stake holders, within the supply chain.

As well as the project stakeholders, I couldn't have done this without the help from the fantastic Mainer Associates team.

Deep diving into the supply chain has been a tough but rewarding experience, crucial in delivering this piece of work to reach an as-built result ready for third party verification."

Dominic Wintie

Senior Sustainability Consultant



What does 333kgCO₂e/m² saving look like?



3458

Long Haul Flights

A typical long-haul flight per person will equal 3 tonnes



2075

Family Car Trips

10,000 miles driving in a typical family petrol car will equal 5 tonnes



6915

UK homes heated for a year

Heating a typical UK home for a year will equal 1.5 tonnes



2804

Trees

Based on a 40 year tree saving 3.7 tonnes




Through close collaboration with the whole project team, we've carefully approached every aspect of 11 & 12 Wellington Place looking to meet NABERS and maximise efficiency. It's been a true test of our expertise and design ingenuity and we're incredibly proud to have received the five-star rating, allowing Wellington Place to act as a flagship for others to follow.



Dan Miller, Project Director

11 & 12 Wellington Place, Leeds

Mainer have delivered

- WLCA
- BREEAM® Outstanding
-  fitwel® 2 Star
- Life Cycle Costing
- Acoustics
- Ecology
- Pre-development Audit and Supply-Chain Management
- Site Carbon Management

Contact us for more information

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