Mainer Associates

CarbonCentric App







CarbonCentric

Built with precision and innovation in mind for carbon measurement, our new cutting-edge App reshapes the way we approach building projects, introducing a new era of responsible development.

The Carbon Tool App provides real-time insights and preliminary results through a comprehensive carbon score, empowering intervention and guidance at any stage of the project, even before a single brick is laid.

Enabling better informed and more decisionmaking, adaptability, accuracy, as well as more coherent and aspirational carbon management, tailored to the client's budget and targets.



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Process with the App

A **centralised approach** of obtaining accurate and realtime data on what has been (& will be) procured/installed on-site.

This ensures an easy & effective liaising process, communicating with sub-contractors on the client's behalf.

The app enables Mainer to collate data with the desired granularity/detail and narrative for the client, with **greater efficiency**. For instance, if the client requests to compare predicted emissions to actual emissions, the client could login and review such information.

Quantified carbon emissions can also be 'timelined' as the construction project progresses, rather than a providing a 'snapshot' of total emissions when each report is issued, as previously done.

This helps the client understand the 'WLCA assessment completeness' of the project.

Process without the App

Cannot provide a real-time carbon emissions score and compare against predicted emissions (what is yet to be installed)

A longer, more fragmented liaising process, whereby the client may provide data to different colleagues through information requests, long email-threads, and frequent catch-up meetings.

On occasions, the data provided previously has not always been detailed nor conducive enough for Mainer to calculate carbon emissions with complete confidence, including:

- Generic product descriptions
- Default transport distances
- Recycled content

Although normal at early design stage, this often yields a WLCA report that contains **greater uncertainty scores** when feeding this back to the client.



Nottingham Trent University

The time benefits to using the App

We trialled a manual version of the App on our next project at NTU, testing it against the current process of long and fragmented liaising. We sent part populated forms to the sub-contractors and engaged with them to fill their data in.

We found the returned forms contained far more accurate data on what has already been installed, detailing:

- The concrete grade (where applicable)
- Transport distances (both direct to site and via the supplier) and
- More detailed product descriptions

This speed up the process, increased data detail and reduced uncertainty scores for the client.

We also found that more than **27 sub-contractors** returned their carbon material forms within **15 working days**.

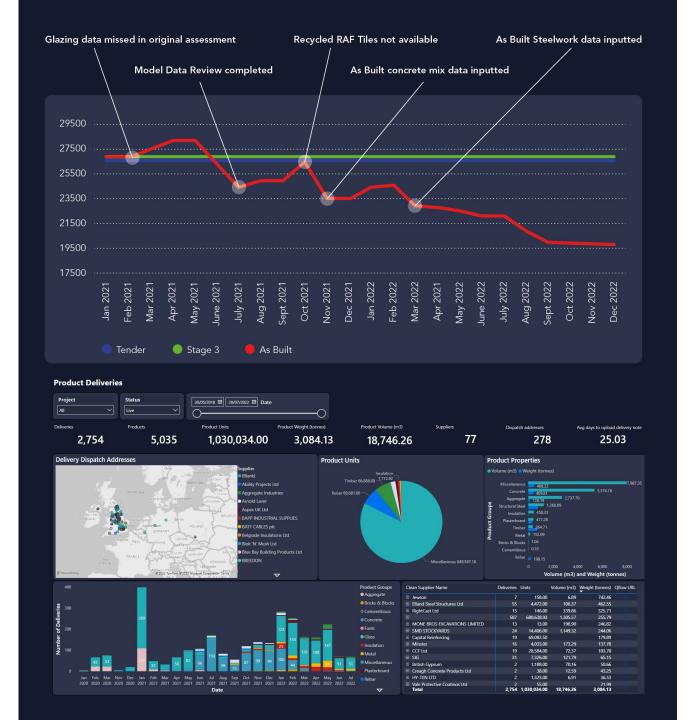
Mainer Associates Brochure



The Carbon Centric App ensures systematic swift & simple data collection using a centralised approach obtaining accurate and real-time data.

The App allows for greater data transparency and can help deliver a much more comprehensive embodied carbon assessment.

It reduces the chance of misrepresentation on the true sustainability performance of a project, as well as mis-guided decisionmaking on assumptions.



Thank you



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