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Mainer Associates

CarbonCentric App



**SPECIALIST
SUSTAINABILITY
CONSULTANCY**



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 decision-making, adaptability, accuracy, as well as more coherent and aspirational carbon management, tailored to the client's budget and targets.

The screenshot displays the CarbonCentric app interface. At the top, there are navigation tabs: Project Details, Instruction Form, Summary (selected), Bill of Quantities, One Click Graphs, and Carbon Centric Dashboard. Below the navigation is a key for carbon status: Green < 50%, Amber > 50%, and Red > 85%. A table lists various building components with their CO₂e values and percentages. A detailed view for 'B2 - Metal Doors' shows a 'Bill of Quantity' of 99721 and 'RESULTS' of 33,240 kg CO₂e. A 'Carbon Budget Bar' indicates 33% used and 66% remaining. Below this is a table of material data with columns for Material Data (A1-A5), Material Confirmation, Quantity, Unit, Supplier Quantity, Supplier Unit, Default Max Transport Distance (km), and kg. The table lists items like steel door, high-speed steel door, aluminum frame profile, floor door system, and kitchen cabinet. A 'TOTAL' row at the bottom shows a quantity of 964.37, a value of 2893.11, and a count of 5. The interface includes a 'company name' watermark and a 'Strictly Private & Confidential' notice.

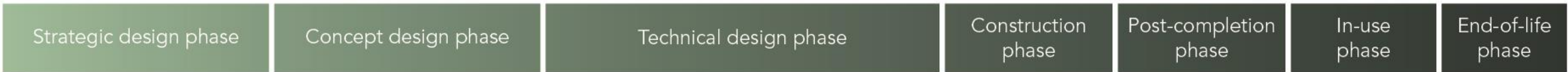
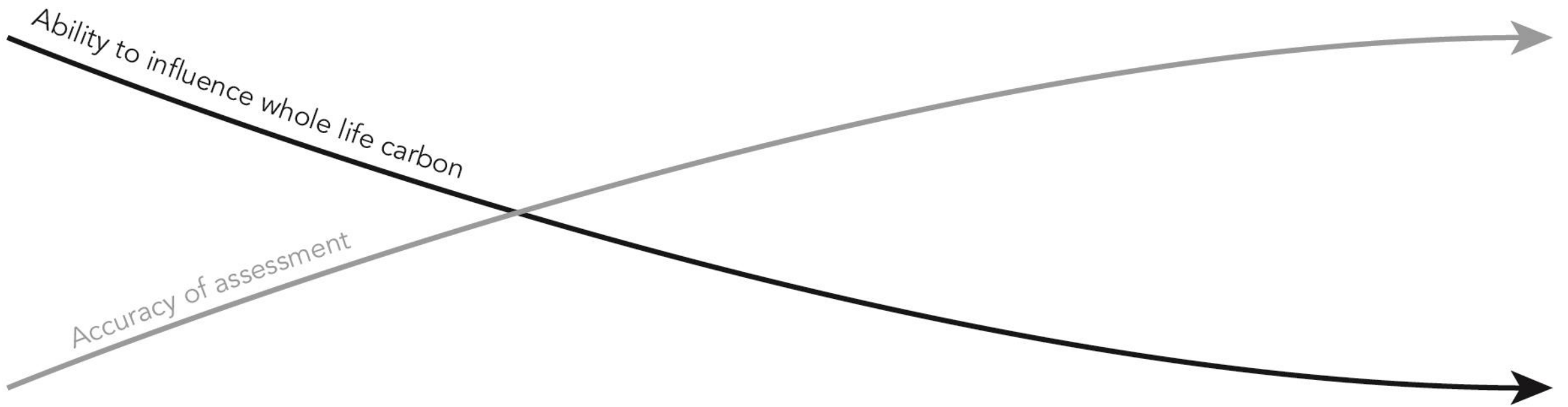
Bill of Quantity	CO ₂ e	% of Total	Sub Return CO ₂ e	% +/-	Final CO ₂ e	% +/-
B1 - Balustrades	9.93	0.08%	8.50	86%	850	86%
B2 - Metal Doors	99.72	0.76%	265.31	276%	0.00	276%
B3 - Joinery&Accessories	41.49	0.31%	0.00	43%	0.00	43%
B4 - Blockwork	184.66	1.40%	0.00	21%	0.00	21%
B5 - WC/Vanity Units	14.80	0.11%	36.19	22%	0.00	22%
B6 - Decoration	17.11	0.13%	0.00	57%	0.00	57%
B7 - Ceramic Tiling	37.82	0.29%	0.00	63%	0.00	63%
B8 - Soft Flooring	10.02					
B9 - Sounding	7.49					
B10 - Ceilings	20.23					
B11 - Screens	45.46					
B12 - Specialist Finishes	1.09					
B13 - Earthworks	127.80					
B14 - Hard Landscaping	580.52					
B15 - Retaining Walls	179.04					
B17 - Street Furniture	22.36					
B18 - External Services	1.35					
B19 - Drainage	134.11					
B21 - Works Beyond Curtilage	0.55					
TOTAL	13,196.16					
A1-A5 - Site Fuel, Elec	377					
NEP A1-A5 Rate 107 kgCO ₂ e/m ³	2,616					

Material Data (A1-A5)	Material Confirmation	Quantity	Unit	Supplier Quantity	Supplier Unit	Default Max Transport Distance (km)	kg
Steel door, 48.00 kg/m ² , H 14-1 (TW) 60x200x 60 (Steel)	Item Correct	79.94	m ²	239.82	m ²	1500	1
High-speed steel door, 29.7 kg/m ² , 2,302.75 m, Schmitt and Opitz and Johnson (S&O)	Item Correct	25.21	m ²	75.63	m ²	1500	1
Aluminium frame profile, powder coated, 1.52 kg/m	Item Correct	19.2	kg	57.6	kg	1500	1
Floor door system, 33.01 kg/m ² , Solo -Quadro - steel door (S&O)	Item Correct	88.02	m ²	258.06	m ²	1500	1
Kitchen cabinet, 30 kg/m ² (S&O)	Item Correct	4	unit	12	unit	1500	1
TOTAL		964.37		2893.11			5



Organisations must communicate avoided Scope 3 emissions by showing reductions to the predicted total, through reporting actual emissions over time for projects they are involved with.





Data Collection - Tender to Completion

Process with the App

A **centralised approach** of obtaining accurate and real-time 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 'time-lined' 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**

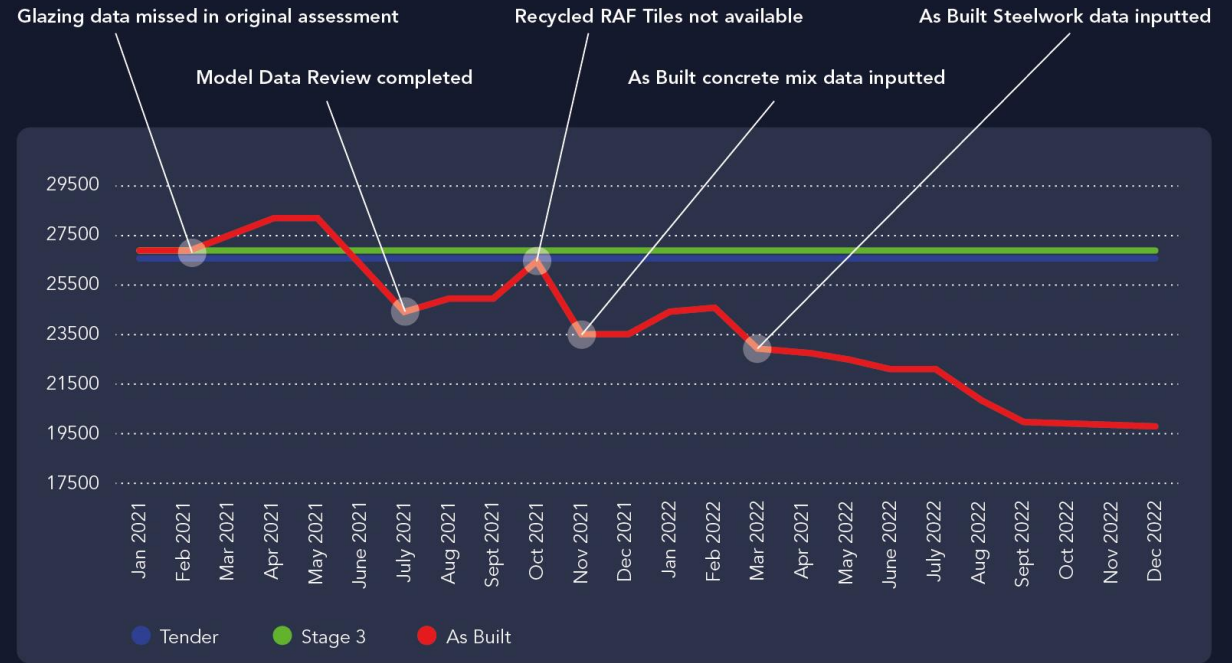
Although normal at early design stage, this often yields a WLCA report that contains **greater uncertainty scores** when feeding this back to the client.



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 decision-making on assumptions.



Product Deliveries

Project: All | Status: Live | Date: 30/05/2018 to 20/07/2022

Deliveries: 2,754 | Products: 5,035 | Product Units: 1,030,034.00 | Product Weight (tonnes): 3,084.13 | Product Volume (m3): 18,746.26 | Suppliers: 77 | Dispatch addresses: 278 | Avg days to upload delivery note: 25.03

Delivery Dispatch Addresses

Product Units

Product Properties

Number of Deliveries

Clean Supplier Name	Deliveries	Units	Volume (m3)	Weight (tonnes)	Offlow URL
Jewson	7	158.00	6.89	742.46	
Elland Steel Structures Ltd	55	4,472.00	106.37	462.55	
RightCast Ltd	15	146.00	339.86	325.71	
Concrete	567	680,638.93	1,305.57	205.79	
MCNE BROS EXCAVATIONS LIMITED	13	13.00	198.90	246.52	
SMD STOCKYARDS	24	14,406.00	1,149.32	244.06	
Capital Reinforcing	19	69,082.50		179.89	
Minster	16	4,033.00	173.29	137.78	
CCF Ltd	19	28,584.00	72.37	103.70	
SKG	31	7,326.00	121.79	65.15	
British Gypsum	2	1,188.00	70.16	50.66	
Creagh Concrete Products Ltd	2	38.00	12.59	43.25	
HY-TEN LTD	2	1,323.00	6.91	36.53	
Vale Protective Coatings Ltd	2	55.00		21.99	
Total	2,754	1,030,034.00	18,746.26	3,084.13	

Thank you



hello@mainer.co.uk

01235 854 042

[mainer.co.uk](https://www.mainer.co.uk)

Manchester

Unit 215, Ducie House
37 Ducie Street
Manchester
M1 2JW

Oxfordshire

Milton Park Innovation Centre
99 Park Drive, Milton Park
Oxfordshire
OX14 4RY

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