

elliottwood



Our Sustainability Services

**Engineering a
Better Society**

Our Sustainability Services

Initial appointment 
Continued involvement 

RIBA Stages for a development project →		Stage 0	Stage 1	Stage 2	Stage 3	Stage 4	Stage 5	Stage 6	Stage 7
Corporate Services	Non project specific E.g. portfolio / estate management	Strategic Definition	Preparation & Brief	Concept Design	Spatial Coordination	Technical Design	Construction	Handover & Close Out	In Use
Carbon Assessments									
Bespoke embodied carbon calculations									
Whole lifecycle carbon assessments									
Certification									
WELL Feasibility study and gap analysis									
BREEAM assessment									
WELL assessment									
LEED assessment									
NABERS Design for Performance (predictive energy modelling)									
NABERS Energy for Offices (post completion)									
Circular Economy Consultancy									
Building User Guide									
Deconstruction Guidance									
Material passports and BIM									
Reuse & upcycling of timber									
Reuse of steel									
Reuse potential audits (based on methodology in Full Circle to Reuse)									
Second-hand materials sourcing									
Corporate Services									
Climate resilience and adaptation									
Corporate strategy and Net Zero									
Embodied carbon benchmarking and reporting									
ESG									
Planning Reports									
Circular Economy Statement (CES)									
Energy Statement (ES)									
Flood risk assessments (FRA)									
Operational energy modelling (for inclusion in WLC)									
Pre-demolition waste audit (for CES)									
Sustainability Statement (SS)									
Sustainable Urban Drainage Systems Strategy (SuDS)									
Whole Life Carbon Assessment (WLC)									
Post Planning									
Embodied carbon detailed design updates									
Circular Economy Statements for London Plan									
Post-occupancy evaluation									
BREEAM Reports									
Adaptation to Climate Change Report (BREEAM credit Wst 05)									
BREEAM Accredited Professional									
BREEAM Employer's Requirements									
BREEAM preliminary assessment									
Design for Disassembly and Adaptability Report (BREEAM credit Wst 06)									
Material Efficiency Report (BREEAM credit Mat 06)									
Stage 2 Life Cycle Assessment and Options Appraisal (BREEAM Credit Mat 01)									
Stage 4 Life Cycle Assessment and Options Appraisal (BREEAM Credit Mat 01)									
Research & Development									
Sustainability Research & Development projects									
Tools / Guides									
Full Circle to Reuse									
The Structural Carbon Tool									

Our Sustainability Services

Carbon Assessments

Elliott Wood offers bespoke embodied carbon calculations and whole life cycle carbon assessments for both live projects and to inform strategic decision making at corporate, portfolio or estate management level. These calculations are undertaken using either The Structural Carbon Tool or accredited software such as eTool or One Click LCA.

Certification

Sustainability certification is a key requirement of funders within the property market. We therefore offer BREEAM, LEED, WELL and NABERS certification. Early engagement with the client and design team is important to ensure the certification requirements are built into the project objectives from early in the design.

Post Planning

The New London Plan requires Circular Economy Statements and Whole Life Carbon Assessment to be updated at project completion or to take into account any changes to the design / construction since planning. It is also good practice to track the embodied carbon of the project throughout the detailed design and construction phases to ensure the proposals set out at Planning stage are followed through.

Post occupancy evaluation is important to track and minimise any 'performance gap' between the operational performance of the building in reality compared with the design. Elliott Wood offer a full post planning service to support clients with these items.

Circular Economy Consultancy

Through our involvement in research and development, ongoing projects, and industry wide research groups such as UKGBC, IStructE and LETI, underpinned by creative engineering, we are very well placed to consult on circularity within the construction industry. We are passionate about reusing existing buildings, materials and components and minimising construction waste.

Elliott Wood are leading the industry with respect to the reuse of structural materials which starts with identifying the materials within our existing buildings by completing a reuse potential audit. These audits are undertaken in line with our Full Circle to Reuse methodology. We know from our nearly 30 years in practice that data is key to the success of reuse and refurbishment projects; we are therefore championing the use of BIM and material passports to record information for the future about the buildings we're designing now.

BREEAM Reports

BREEAM Certification requires reports and assessments to be carried out at defined stages of the design in order to claim specific BREEAM credits. It's critical these reports are completed at the correct RIBA stage otherwise the credits cannot be claimed. We can work with your design team to offer a full BREEAM Accredited Professional service or we can be appointed to deliver individual BREEAM credit reports as required.

Corporate services

We work with companies to help define their corporate sustainability strategy, in particular their road map to achieving carbon neutrality and net zero carbon. Elliott Wood can assist clients in calculating their carbon footprint (scope 1,2,3) which includes calculating the embodied carbon of their portfolio and development projects to facilitate benchmarking and ESG reporting.

Climate resilience and adaptation is another important issue for building and portfolio owners to ensure assets do not become stranded in future; we can assess the impact of climate change on a portfolio of buildings and make recommendations on how to mitigate against future impacts.

Research & Development

Elliott Wood are always open to discussing opportunities for research and development projects. We are already heavily involved in industry leading research with the UKGBC and IStructE and have strong links with UK Universities including University of Sheffield, University College London (UCL), University of Cambridge and University of Bath. We have completed bespoke R&D projects for clients in the past. Please get in touch if you have an opportunity you would like to discuss.

Planning Reports

The following reports need to be submitted alongside all but the smallest domestic Planning Applications:

- Energy Statement (ES)
- Flood risk assessments (FRA)
- Pre-demolition waste audit (for CES)
- Sustainability Statement (SS)
- Sustainable Urban Drainage Systems (SuDS)

For GLA referable* schemes the New London Plan requires the following additional reports:

- Circular Economy Statement (CES)
- Whole Life Carbon Assessment (WLC)

Elliott Wood offers all the above planning reports and are keen to ensure the measures included in these reports have a significant positive impact on your project.

*GLA referable scheme: Development of 150 residential units or more / development over 30 meters in height outside the City of London / development on Green Belt or Metropolitan Open Land

Tools & Guides

Elliott Wood knows collaboration is required to shift the construction industry to be more sustainable. This is why we've developed The Structural Carbon Tool with the Institution of Structural Engineers and published our Full Circle to Reuse guide, both of which have been donated to the industry. We are open to discussing opportunities for further development of these resources, or the development of new resources for the industry.