

Mechanical and Electrical (M&E) Design

Supporting energy saving, cost reduction and carbon compliance.



Our comprehensive M&E design services incorporate energy-saving measures into building design, leveraging renewable energy options, and implementing decarbonisation strategies. We can help organisations achieve their sustainability goals, optimise building performance, and reduce costs, all while reducing their carbon footprint and contributing to a more sustainable future.

Our Mechanical and Electrical (M&E) Design services are designed to help customers achieve their energy efficiency and decarbonisation goals, while avoiding unnecessary costs and optimising building performance.

As experts in the design and project management of practical, cost-saving low carbon building services solutions, we work collaboratively with our clients to deliver high quality, innovative and technically advanced projects that deliver long-term value through reduced ongoing energy and maintenance costs.

Our team has the resources to support projects from inception to completion. We offer all aspects of M&E design and have extensive knowledge and experience in the implementation of renewable technologies. Where necessary, we partner with specialists to ensure that the optimum solution is provided to our clients.

We are specialists in the Building Regulations Part L compliance and SBEM Dynamic

Simulation, with many of our projects being awarded a BREEAM excellence status.

We offer expertise in decarbonisation strategies, helping businesses to identify and implement solutions that reduce their carbon footprint and align with their sustainability goals. In addition, our services have been designed to align with the RIBA stages of design. The RIBA stages define the key stages of each project from feasibility, through design to completion and post-completion.

M&E Design Services

We can provide support from the early stages of a project at inception, through the design stages, to witnessing, commissioning and handover. Our experienced team of Mechanical, Electrical and Plumbing (MEP) professionals can provide support at key project stages aligned with the RIBA design stages, such as feasibility; performance design and client duties; technical design; and commissioning.

Using industry-approved software, we offer a full scope of simulation services including building regulation calculations; dynamic thermal modelling; overheating analysis; solar PV modelling; and electrical cable calculations.

We integrate our MEP professionals within the project design team to ensure our solutions are efficient, comprehensive, and diligent.

BIM Consultancy

We can provide BIM Consultancy as part of our service for RIBA stages 2, 3, 4 and 5. Where necessary, we will appoint a BIM

coordinator for the project. We will utilise Revit modelling software to produce MEP installation drawings and models. We will utilise industry-approved clash detection software to monitor MEP designs alongside other disciplines. We will fully integrate the MEP designs and models with wider design and services associated, where necessary.

We will produce a fully coordinated MEP model throughout design phase and, where detailed in the proposal, produce a fitted MEP model.

Project Management

We work on projects from inception through to handover, and work on decarbonisation schemes, implementing renewable technologies which require a lead consultant and project manager to ensure successful delivery for the end user.

Our project management service includes client-side consultancy duties through the construction programme, or acting as project lead on engineering-based projects. We can provide full project consultancy services through to completion.

Our team of highly experienced and qualified Energy Engineers deliver expert advice and services to help clients achieve their carbon reduction objectives.

By incorporating energy-saving measures into building design, taking advantage of renewable energy options, and implementing decarbonisation strategies, we help organisations achieve their sustainability goals, optimise building performance, and reduce costs, all while reducing their carbon footprint and contributing to a more sustainable future.