

Senior Building Performance Engineer

London

Purpose of Job:

We are looking for a Senior Building Performance Engineer to join our growing Sustainability and Building Performance team. This person will work with engineers to oversee and provide energy auditing, energy management and technical building services input to projects in a variety of sectors.

The successful candidate will have experience of line managing people, project management, energy auditing, technical and practical knowledge of building services and energy management work. They will use these skills to organise, conduct and review a range of different building performance audits to develop building optimisation plans and net zero carbon roadmaps.

Working within a multidisciplinary team, the successful candidate will have the potential to grow this role considerably in the coming years.

Whilst this role is based in our London office, the team support clients nationwide, so travel across the UK will be required.

Duties and Responsibilities:

- + Carry out energy audits, asset condition surveys and other works on buildings in operation
- + Carry out works associated with ESOS and CRREM
- + Produce engineering decarbonisation plans and net zero carbon roadmaps
- + Conduct/oversee on site engineering services inspections and reporting
- + Provide strategic low energy design advice with an emphasis on operational performance
- + Understand energy modelling and energy prediction and develop calculations to support road-mapping
- + Prepare Energy Assessments for Local Authority approval as part of planning applications
- + Prepare Low and Zero Carbon (LZC) technology feasibility studies
- + Develop digital tools for streamlined delivery
- + Manage and mentor junior engineers
- + Manage client and other team relationships. Understand client needs and interpret and confirm the project brief

This list is not exhaustive, and we would expect the successful candidate to be willing to undertake additional duties to support the team when necessary.

Training Programme requirements:

- + Commit to goals and objectives of a career development programme including attendance of in-house and external technical and non-technical training
- + Commit to achieving or maintaining CIBSE or similar membership status through relevant professional institution
- + Support the development of team members and undertake the mentoring of members of the design team
- + Familiarise and learn about sustainable low energy initiatives and to share this with other members of your team and wider within the Partnership

Person Specification:

	Essential	Desirable
Knowledge	<p>Good knowledge of how buildings are built and operated and the processes that goes into their operation and design</p> <p>Ability to apply theoretical principles to the practical design of building systems</p> <p>Operational energy/carbon analysis and prediction of future energy/carbon consumption</p> <p>Ability to navigate BMS systems and implement changes</p> <p>Awareness of energy and environmental related EU and UK Directives , energy audits regulations and ESOS</p> <p>An appreciation of sustainable buildings and how this can reflect upon design principles</p> <p>Mechanical engineering background with a good understanding of: HVAC systems, BMS/Controls, energy use in buildings, energy / carbon benchmarking and renewable technology</p>	<p>Awareness of BREEAM standards and its impact on Building Services design</p> <p>Understanding statutory and regulatory compliance requirements involved in the operation of a building and knowing the risk assessments and details that are required</p> <p>Understanding of codes, standards, guides and technical reference material relevant to building services design and operation</p> <p>Experience of energy modelling, energy procurement, digital tool development and reporting</p>
Skills	<p>A strategic thinker with a proactive attitude and attention to detail as well as good problem solving and communication skills.</p> <p>Capable of researching new ideas and technologies and look for opportunities to expand the business work stream</p> <p>Engage with operators, designers and sustainability consultants, in order to challenge and verify proposals</p> <p>Carry out reviews of colleagues work and provide feedback effectively</p> <p>Excellent team working and inter-personal skills</p> <p>People management skills</p> <p>Time management and prioritisation</p> <p>Good communication within a team and externally with other companies /clients</p> <p>Able to present and explain the thought processes and engineering processes behind their own work including excellent report writing skills</p> <p>Enthusiastic approach to work and problem solving</p> <p>Understanding of QA/QC procedures</p>	<p>Programming languages and excellent digital skills</p>
Experience, qualifications and prospects	<p><u>Qualifications:</u> BEng, BSc, MEng or MSc in relevant sustainability or engineering subject</p>	<p><u>Software:</u> IES virtual environment, PowerBI, Python</p>

	<p><u>Experience:</u> Demonstrable building energy knowledge skills gained with working in a Building Services environment, (must be associated with operational buildings, not only design stage)</p> <p>Good experience in performing energy audits</p> <p>Good experience of operational energy management</p> <p><u>Software:</u> Microsoft office</p> <p>Experience in CAD drafting systems, e.g. AutoCAD</p>	
<p>Attributes and Personal characteristics</p>	<p>Logical thinker, scientific and analytical – having an engineering approach to problem solving</p> <p>Methodical, flexible attitude to work</p> <p>Works on own initiative but equally can contribute to the team</p> <p>Approachable and personable</p> <p>Commitment to maintaining high quality standards with an eye for detail</p> <p>A passion for sustainability</p>	<p>An interest in architecture, landmark buildings and new technologies</p> <p>An interest in environmental sustainability in the workplace and home</p>