

Electrical Engineer

London

Purpose of Job:

We are looking for an established Electrical Engineer to join our busy building services design team based in our London office.

The successful candidate will play a key role in delivering electrical building services design across a range of complex building projects. While our portfolio is primarily healthcare environments, we welcome applicants from other sectors who have experience working on technically demanding projects and specialist building systems.

Candidates will preferably be degree qualified and have attained or be working towards their relevant grade of professional membership (IEng/CEng). Candidates should be able to:

- + Demonstrate relevant skills and experience within this role
- + Demonstrates the ability to work independently and take a proactive approach to tasks, while collaborating effectively with the wider team and seeking guidance when needed.

Duties and Responsibilities:

- + Provide input on design strategy and conceptual design relative to electrical installations
- + Undertake design calculations relevant to the design of electrical installations within major building projects
- + Design electrical installations including the production of design drawings, diagrams and schematics along with project specifications and schedules
- + Design electrical installations to meet all existing, relevant British Standards, Building Regulations and other relevant standards
- + Design electrical installations to meet requirements for energy efficiency and low carbon requirements
- + Able to work as part of a team to meet project brief and programme requirements on electrical design
- + Support senior members of staff in managing client and design team relationships
- + Demonstrate a wide knowledge and relevant project experience of electrical systems across a range of sectors
- + Commit to supporting strategic TB+A sustainability policies and our internal environmental programme objectives

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 Chartered Engineer status through relevant professional institution
- + Support the development of team members and undertake the mentoring of members of the engineering 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>Ability to apply theoretical principles to the practical design of building systems</p> <p>Sound knowledge of how buildings are built and the design process that goes into their design</p> <p>Detailed knowledge of engineering design approach and fundamentals of mechanical engineering</p> <p>Understanding of the role of the engineer in the design process</p>	<p>Specialist knowledge of particular electrical systems</p> <p>Awareness of energy and environmental related EU and UK Directives / Regulations</p>
Skills	<p>A strategic thinker with a proactive attitude and attention to detail, well organised</p> <p>Excellent team working and inter-personal skills, good communication within a team and externally</p> <p>Good time management and ability to prioritise</p> <p>Good numeracy and literacy</p> <p>Able to present and explain the thought processes and engineering processes behind their own design work</p>	
Experience, qualifications and prospects	<p><u>Qualifications:</u> BEng, BSc, MEng or MSc in relevant engineering subject, e.g. Architectural Engineering, Building Services Engineering or Electrical Engineering or HNC/HND in relevant engineering subject</p> <p><u>Experience:</u> Demonstrable project management skills Software skills including: Hevacomp/Amtech, Dialux/Relux, Barbour Index, Specification Expert, Microsoft Office.</p> <p>Experience in CAD drafting systems</p>	<p>Specialist interests or qualifications, e.g. renewable energy, low carbon design, BREEAM, lighting design, LCC registration or other relevant topic</p> <p>Experience in modelling software</p>
Attributes and Personal characteristics	<p>Logical thinker, scientific and analytical – having an engineering approach to problem solving</p> <p>Flexible outlook and attitude to work, approachable and personable</p> <p>Works on own initiative but equally can lead a team</p> <p>Commitment to maintaining high quality standards with an eye for detail</p>	<p>An interest in architecture, landmark buildings and new technologies</p> <p>An interest in renewable energy technologies</p> <p>An interest in environmental sustainability in the workplace and home</p>