

Senior Electrical Engineer

Cardiff

Purpose of Job:

We are looking for a Senior Electrical Engineer to join our busy building services design team based in our Cardiff office.

Applicants will already be working at a senior engineer level and ideally have the desire to progress their career to a management position. Candidates will preferably be degree qualified and have attained or be working towards Chartered engineer status. Candidates should be able to demonstrate relevant skills and experience within a similar role.

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
- + Lead an M&E Team in the coordination and delivery of individual projects, including attendance at meetings, internal programming, project reviews etc.
- + Undertake lead engineer duties including checking of other engineers' work and take an active role in the development of trainees
- + Manage client and design team relationships. Understand client needs and interpret and confirm the project brief
- + Provide assistance and support to other members of the engineering team within the office
- + Undertake constructive peer reviews of other design projects
- + Have an understanding of electrical engineering systems and the ability to report of both disciplines during meetings
- + 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	Ability to apply theoretical principles to the practical design of building systems Sound knowledge of how buildings are built and the design process that goes into their design Detailed knowledge of engineering design approach and fundamentals of mechanical engineering Understanding of the role of the engineer in the design process	Specialist knowledge of particular electrical systems Awareness of energy and environmental related EU and UK Directives / Regulations
Skills	A strategic thinker with a proactive attitude and attention to detail, well organised Excellent team working and inter-personal skills, good communication within a team and externally Good time management and ability to prioritise Good numeracy and literacy Able to present and explain the thought processes and engineering processes behind their own design work	
Experience, qualifications and prospects	<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 <u>Experience:</u> Demonstrable project management skills. Software skills including: Hevacomp/Amtech, Dialux/Relux, Barbour Index, Specification Expert, Microsoft Office. Experience in CAD drafting systems	Specialist interests or qualifications, e.g. renewable energy, low carbon design, BREEAM, lighting design, LCC registration or other relevant topic Experience in Modelling software
Attributes and Personal characteristics	Logical thinker, scientific and analytical – having a engineering approach to problem solving Flexible outlook and attitude to work, approachable and personable Works on own initiative but equally can lead a team Commitment to maintaining high quality standards with an eye for detail	An interest in architecture, landmark buildings and new technologies An interest in renewable energy technologies An interest in environmental sustainability in the workplace and home