

## Senior – Associate Electrical, Manchester

### Purpose of Job:

We are looking for an established Senior Electrical Engineer or someone working at an Associate level to join our busy building services design team based in our Manchester office.

Applicants will already be working at a senior engineer level with experience of managing both people and projects and will have the desire to progress quickly to a management position, if not already in one. Candidates will preferably be degree qualified and have attained or be working towards Chartered Engineer status.

### Duties and Responsibilities:

- + Lead the electrical design team within the business unit and take an active role in the development of junior engineers
- + Provide input on design strategy and conceptual design relative to electrical installations within major building projects.
- + Be technically proficient in the principal aspects of electrical design and able to brief others
- + Undertake constructive peer reviews of other design projects
- + Lead an M&E team in the coordination and delivery of individual projects, including attendance at meetings, internal programming, project reviews etc. to ensure high quality work is achieved each time
- + Liaise with senior mechanical engineering counterparts to ensure co-ordinated approach to overall design and consistency of delivery of client work
- + Be able to set programmes for design work and manage inputs to achieve dates including the input of others in the team
- + Be commercially aware, have an appreciation of time management within fee levels and assist with calculating additional fees/programme impact for client change
- + Be proficient at managing multiple projects at any given time and confident in reporting internally and externally on progress and the management of any key issues arising
- + Be external facing – attend project meetings, client meetings, site meetings and act as sole representative of Troup Bywaters + Anders at such meetings, being able to speak on behalf of both mechanical and electrical designers working on specific projects
- + Manage client and design team relationships. Understand client needs, interpret, and confirm the project brief
- + Implementing internal IMS/Quality Assurance procedures and be able to review adherence to these
- + 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>