



## JOB DESCRIPTION

<b>Job title</b>
Senior Electrical Engineer
<b>Name of person or job role reporting to</b>
Engineering Coordinator
<b>Responsibilities</b>
<p>We are currently looking for an experienced senior electrical engineer to take on the responsibilities of ensuring quality assurance of the design and specifications with consideration to installation, inspection, and testing.</p> <p>The ability to take into account when designing the environmental influences, routing, suitability for purposes, eliminate foreseeable health and safety risks, produce equipment schedules, develop electrical schematics in addition to having in-depth understanding of electrical / renewable systems, strong attention to detail, be able to work as part of a team, collaborate professionally with others within the industry.</p> <p>You must have proficiency to operate computer-aided software systems like AutoCAD 2D/3D (required) PVCase, PVSol, PVSyst, Inverter and Mounting kit manufacture designer software (desirable) as well as cable calculations software. Designs can vary from initial, planning, draft, detailed, construction or single line diagrams for electrical / renewable systems in a development with the consideration to pre-construction specifications provided by the client or survey information which may require performing technical developments and enquiries from an electrical and renewable perspective.</p> <p>The role would involve supporting the technical department with interactions with Sales, Commercial, Construction, O&amp;M and Procurement as well as support individuals with cable calculations, site queries, junior engineer support, reviewing designs and other relevant documentation.</p> <ul style="list-style-type: none"><li>• Required to analyse and interpret pre-construction information and client specifications.</li><li>• Provide technical support required by pre-construction and project delivery teams.</li><li>• Interface with the client and client consultants / engineers for specified projects. Co-ordinate with third party contractor and attend start up, site visits and design meetings</li><li>• It is important to continuously develop your skills and stay up to date with the latest technologies, best practices and innovations within the industry.</li><li>• Provide design deliverables, such as specifications, drawings, data's sheets, and schedules.</li><li>• Ensure design risk assessments and design solutions consider value engineering for best value, as well as safety, cost and time constraints.</li><li>• Able to provide an equipment schedule to follow the design that has been populated.</li></ul>

### Qualifications/Experience

- On-site experience (either from an installation, survey, maintenance, design prospective)
- Excellent knowledge and understanding of BS7671 18<sup>th</sup> Edition Amendment 3.
- A recognised Electrical Design Qualification. (desirable)
- Degree in Electrical engineering or recognised modern apprenticeship and HND.
- Understanding of CDM.
- Renewable Knowledge and Understanding. (desirable)
- Able to work well with others.
- Excellent communication skills.
- Confident in reading technical specifications, writing reports, giving presentations and meeting with clients and management.
- Time Management – Timelines of projects.
- Good computer skills and typography
- Ability to Problem solve if required.
- Understanding basic design principles. – BS8888
- 2D/3D AutoCAD
- Demonstrate Creativity.
- General mathematical understanding.
- Good working knowledge of Microsoft 365.
- Attention to detail.
- Ability to lead and motivate.
- Drivers License
- Understanding of British Standards.
- Provide engineering experience in the industry in LV / HV, generation, distributions or building services.