

## Electrical Project Engineer Job Specification

<b>Job Title:</b>	Electrical Project Engineer
<b>Job Location:</b>	Home based, UK site based assignments
<b>Reporting to:</b>	Principal Electrical Engineer
<b>Package:</b>	Circa £55k Salary, Car allowance, Healthcare Insurance, Pension

### Summary

An opportunity has arisen for an Electrical Project Engineer who is looking to further develop their skills and career in the field of Electrical Engineering. This is a fantastic opportunity to work with Electrical Engineers and commercial developers who work on HV/LV and process control equipment and projects in a growing sector for the business.

As an Electrical Project Engineer within our diverse team, you will play a crucial role in designing, developing, and implementing power generation solutions. You will work on cutting-edge projects in the renewable energy sector and power sector, contributing to the growth and advancement of Cobalt Energy.

### Company Profile Summary

[Cobalt Energy Limited](#) is an engineering and operational services company, focused on the delivery of sustainable solutions. The business is specifically focused on waste-fuelled Thermal Renewables, Anaerobic Digestion, Carbon Capture Storage and Usage (CCSU), Waste to Chemical and Energy Storage in the UK.

Cobalt Energy consults, engineers, constructs, and operates - providing solutions in all parts of the project life cycle. Its core strength is providing practical solutions to ensure projects are configured, progressed and move over the investment decision point line, before then moving them through construction and commissioning into sustained operation.

The Technical Services team, is focussed on delivering core engineering resource to the business and external clients.

The growing workload has presented an opportunity to recruit an Electrical Project Engineer into the Technical Services team, to learn the business and provide support to projects.

### Skills & Qualifications:

We are looking for someone with the following:

- Bachelor's or master's degree in electrical engineering, renewable energy, or a related field.
- Proven experience in the design, engineering, and implementation of power generation solutions.
- Proficiency in system modelling and simulation software, such as MATLAB, AutoCAD, or equivalent.
- Familiarity with energy management systems (EMS) and supervisory control and data acquisition (SCADA) systems.
- Solid understanding of grid integration requirements, power system dynamics, and relevant industry standards (e.g. IEC, ENA, BS7671).
- Excellent problem-solving, analytical and practical skills, with the ability to identify and resolve technical issues.

- Strong communication skills to effectively collaborate with internal teams, clients, and external stakeholders.
- Ability to manage multiple projects and prioritize tasks in a fast-paced environment.
- Knowledge of health, safety, and environmental regulations related to energy generation systems.
- Professional engineering certification or chartered engineer status.
- Familiarity with renewable energy technologies, such as Energy from Waste, solar PV, wind power, battery technologies, energy storage & generation systems, and associated components.
- Understanding of energy project financing and economic evaluation methodologies.

### **Principal responsibilities**

- Design and engineer electrical distribution systems for various applications, including grid-scale installations, commercial and industrial facilities, and renewable energy projects.
- Conduct feasibility studies, technical assessments, and economic analyses to evaluate the viability of energy generation & storage projects.
- Collaborate with cross-functional teams, including electrical engineers, project managers, and technicians, to ensure seamless integration of systems into existing infrastructure.
- Perform system modelling, simulation, and optimization to maximize the performance and efficiency of energy generation & storage systems.
- Develop and implement control strategies for systems, ensuring optimal energy management, safety, and reliability.
- Stay updated with the latest advancements in technologies, regulations, and industry best practices and ensure compliance with relevant standards.
- Support project development activities, including site visits, data analysis, and preparation of technical reports and proposals.
- Conduct testing, commissioning, and troubleshooting to both project and operational teams as required.
- Collaborate with external stakeholders, such as utilities, regulatory bodies, and technology suppliers, to facilitate successful project execution and maintain industry relationships.

### **Role details**

- Based remotely (at home) with UK project-based assignment work as required.
- Potentially frequent periods of travel, project and site work.
- Occasional overseas travel for meetings, site visits and project work .
- Experience of working in multi-national environments would be an advantage but not essential.
- Excellent personal and interpersonal skills such as organisation, communication and attention to detail.
- Willingness and ability to travel to site facilities and offices across the UK.

### **Application details**

CVs and Covering Letters are to be sent to [HR@CobaltEnergy.co.uk](mailto:HR@CobaltEnergy.co.uk)