

## Electrical and Instrumentation (E&I) Engineer – Job Specification

**Job Title:** E&I Engineer

**Job Location:** Tunstall, Stoke on Trent, Staffordshire, UK

**Salary:** Up to £43k plus benefits

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**Job Purpose:** Stoke Operations Limited (SOL) are an Operation and Maintenance (O&M) service provider who have been awarded a 5-year agreement to operate and maintain a new Clinical Waste Incinerator Facility, located near Tunstall, Stoke on Trent, Staffordshire. The Facility is owned by Clinitek (Stoke) LLP and will process up to 16000 tonnes of clinical waste per annum whilst generating electricity for export. SOL is a subsidiary of Cobalt Energy Limited (CEL) who are a renowned thermal renewables and environmental engineering, service provider. CEL have been established for over a decade and have been successfully operating in the renewable power generation sector throughout this period.

SOL are looking to appoint an Electrical and Instrumentation (E&I) Engineer to enact the safe and reliable maintenance of the new facility. The E&I Engineer will be employed during the construction phase of the project to ensure plant and process knowledge is established, necessary training is undertaken and to assist the O&M Mobilisation function and Engineering, Procurement and Construction (EPC) contractors with the hot commissioning phase. They will report to the Maintenance Manager and will be employed on a day-shift basis. Ideally, we are looking for applicants who are electrically bias with strong instrumentation hands-on experience and knowledge. Candidates applying for this role should be suitably experienced in carrying out planned preventative and reactive maintenance on power generation / incineration technology or similar industrial plant.

### Job Duties:

- Perform maintenance and diagnostics on low voltage electrical equipment, systems and assets.
- Perform maintenance and diagnostics on actuation and instrumentation hardware (such as pressure/flow/level/temperature sensors, emission analysers, encoders, solenoids etc.)
- Perform calibration and loop checking of instrumentation to control hardware I/O.
- Ensuring planned preventative and reactive maintenance of equipment is carried out in accordance with the maintenance schedule and to the specifications of the works.
- Ensuring the completion of all relevant documentation and reports in-line with facility management systems requirements and the maintenance management system.
- Ensuring all works are carried out with the highest regard for health, safety, environmental & quality compliance.
- Undertake plant isolations.
- Supervising 3<sup>rd</sup> party contractors.
- Enact and assist in the continuous improvement of maintenance Safe Working Procedures (SWP)s.
- Maintaining a clean, safe and orderly plant condition to the prescribed standard.
- To understand and comply with all Quality, Health, Safety and Environmental Policies and Legislation.
- To work a regular dayshift, 40 hours per week, and support out-of-hours reactive maintenance as required.
- This is a relatively small facility and you will be required to hands-on support plant breakdowns and events.

### Qualifications/Experience/Skills:

- Detailed knowledge and experience of low voltage electrical systems.
- Detailed knowledge and experience of actuation and instrumentation hardware and an appreciation of the associated control interface.
- Detailed knowledge and experience of human machine interfaces.
- A flexible working attitude and a strong team working approach are essential.
- Strong communication skills with a logical approach to problem solving.
- IT skills as such to be able to undertake reporting via a computerised system.
- Qualified to C&G Level 3 to 4, O/HND, O/HNC, etc., in a relevant subject would be advantageous.
- Knowledge of power electronics and control would be advantageous.
- Any electrical AP or SAP background would be advantageous, but not essential.
- A Health and Safety qualification, such as IOSH would be advantageous.
- WAMITAB, CoTC, etc. qualifications are advantageous but not essential.
- BS7671 18<sup>th</sup> Edition and C&G 2395 Inspection and Testing qualifications are advantageous but not essential.
- Any steam raising plant knowledge and experience would be advantageous.
- Lean management would be advantageous but not essential.