Position Title: **Electrical Technician**

Location: Risehow, Maryport

Department: Projects/Engineering

Reporting to: **Engineering Manager**

**The Role**

Forth Engineering has been finding solutions to customer’s problems in West Cumbria for 22 years. With a head office in Maryport, we work in nuclear decommissioning, agriculture, fishing, research and development, and the utilities sector, providing innovative solutions to our customer’s needs. Following the opening of our Barrow-in-Furness branch in 2018, we expanded our services for the oil and gas, and defence sectors.

* Mechanical designing and prototyping are our speciality with our flexible and pragmatic approach.
* We pride ourselves on our responsiveness to our customer’s problem statements with a ‘can do’ attitude and our willingness to go the extra mile.
* With design, manufacturing, and machining under one roof, we can control our ‘cradle to grave’ engineering solutions to complex problems in any environment. We deliver HD Visual Inspection, HP Water Jet Cleaning, Ultra Sonic Inspection, Debris Recovery, Bespoke Project Solutions and Caisson Inspection.
* Our multi-million pound Deep Recovery Facility provides a test facility unrivalled in the UK and our warehousing facility caters for all our customer’s storage needs.
* Our Trade Counter and call out service supplies, installs and maintains hydraulic and pneumatic equipment. We stock products ranging from valves to high pressure connectors and provide 24/7 technical support.

This role will join our established teams at an exciting time as our operations expand and we seek to grow our own talent. You will be working with some of the country’s biggest nuclear and defence companies with opportunities to take part in cutting edge research and development.

**The Ideal Candidate**

Our ideal candidate for the role of Electrical Technician will support the project team to ensure that allocated projects are completed and delivered to specification and customer requirements. You will have a passion for engineering and seeking innovative solutions to problems with proven experience of working in an electrical role, ideally through an electrical apprenticeship.

You will embody our values which are:

* Tenacity - We have a ‘can do’ mentality
* Curiosity - We find a way to get things done through investigating and being pro-active
* Responsiveness - We manage teams and priorities to meet our customer’s needs night and day
* Family - As a family business, we nurture talent with a view to progressing everyone.

**Role Responsibilities:**

The post is primarily practical, including carrying our work on AC/DC systems, single and 3 phase power supply. Maintain electrical control systems and components to required specifications; focus is on economy, safety, reliability, quality and sustainability. You will undertake a range of electrical requirements associated with the operations of the projects, workshop, trade counter and all Forth’s production activities.

* Comply with all relevant electrical legislation and regulations in relation to project delivery.
* Researching suitable solutions and estimating costs and timescales.
* Propose modifications and retesting products as necessary.
* Carry out the installations, refurbishment and commissioning of equipment to specification and on time.
* Read and interpret engineering drawings of various equipment, to ensure correct tolerance, and fits are maintained for efficient operations.
* Inspect, repair, install and test mechanical/electrical equipment in order to ensure that mandatory legislative requirements are met.
* Carry out an assessment of spares and materials required to complete work effectively, where necessary ordering additional items via the Engineering Manager.
* Designing and conducting tests.
* Recording, analysing and interpreting test data.
* Constantly monitoring and reporting on progress of the project to the Engineering Manager.
* Ensure quality assurance at all times within the scope of ISO 9001 and ISO 14001.
* Report any complications which may affect the delivery of the installation on time to your line manager
* Investigate the nature of equipment failures and subsequently carry out repairs as quickly and efficiently as possible.

**General Duties**

* Maintain accurate records relevant to project management and operational activity.
* Adhere to the project planning process including the performance of team members, through effective regular individual discussions.
* Manage all correspondence in line with the company’s policies and procedures.
* Ensure all documents and communications are accurate, consistent and well presented.
* Liaise with Managers in other areas to monitor and feedback on the effectiveness of projects and identify opportunities for improvement and sharing best practice.
* To make use of appropriate systems and procedures to assist in the project progression, development and objectives.
* Comply with organisation’s data quality standards. Report instances of non-compliance, errors, omissions or inadequacies in procedures.
* Assist and support the management team in identifying and implementing methods which increase safety, efficiency and effectiveness.
* Ensure the department is active in the cost-effective use of resources.
* Support the management team in the overall development of Forth’s production activities and services.
* Carry out work off-site as required.
* Maintain site tidiness and general good housekeeping.
* Maintain tools and equipment to ensure safe and efficient operations.
* Carry out scheduled planned maintenance work on company premises in compliance with company procedures.
* Operate at all times in keeping with the values of Forth where the emphasis is on collaboration, participation and respect – empowering individuals to contribute their best.
* To take an active role in health & safety, business continuity and emergency procedures
* Operate within the scope of Forth’s policies and the law.
* Undertake any other duties as consistent with the post.

**Health and Safety**

* Ensure a safe working environment by adhering to Forth’s Health and Safety policy, systems and procedures.
* Establish that all equipment, plant and substances used are suitable for the task and are kept in good working condition; this includes the regular maintenance and servicing of equipment.
* Ensure compliance with all Health and Safety legislation
* Take immediate and appropriate steps to report any risks to health and safety arising from the work activity.

**Person Specification**

**CRITERIA SKILLS**

(Competence and Aptitudes)

* Ability to communicate effectively with a wide range of individuals and groups.
* Excellent practical skills and demonstrable experience of safe ways of working.
* Ability to prioritise, plan and organise work whilst in a busy environment.
* Ability to maintain legible and accurate records.
* Excellent interpersonal skills.
* Demonstrates leadership skills, showing ability to improve organisational effectiveness and engender a culture of continuous improvement.
* Experience of using analytical skills to forward plan and to make effective, prioritised and timely operational decisions.
* Capacity to deliver stimulating learning experiences for Forth apprenticeships and student placements.

**PREVIOUS EXPERIENCE**

Essential

* Comprehensive ‘Hands On’ Electrical Experience.
* 3 years of industry experience. Experience of physical installation of Electrical/C&I systems
* Facilities installations experience with an understanding of the following:
	+ Schematic diagrams
	+ General arrangements
	+ Understanding of coding practices/languages
	+ Building layout / containment drawings
	+ Earthing diagrams
	+ Load / cable schedule
* Testing and commissioning of control systems (highly beneficial)

Desirable

* Experience of working with 18th edition BS7671 regulations.

**KNOWLEDGE**

* Knowledge of AC/DC systems. Single and 3 phase power supply.
* Knowledge of Microsoft Office including Outlook.
* Working to and assisting with writing risk assessments and method statements.
* Generating customer quotes.
* Working within the scope of ISO9001/14001.
* Workplace health and safety.

**QUALIFICATIONS - essential**

(Educational and Vocational)

* Advanced Level 3 NVQ, City & Guilds or ONC in electrical engineering.

**QUALIFICATIONS - desirable**

* HNC Level 4 qualification within electrical/electronic engineering.
* 18th edition BS7671 qualification.
* IOSH Managing Safely/Working Safely.

**Key Additional Requirements**

* The right to work in the UK.
* Full UK Driving Licence (Highly desirable but not critical).

**Why Forth?**

In return, Forth will provide you with interesting work and no two days the same! In our small business, there is the opportunity to see your projects come to life by working on solutions from concept to realisation. Job satisfaction is guaranteed!

* Competitive salary
* Training opportunities and professional qualifications
* Structured career path
* Contributory pension scheme
* Enhanced holiday entitlement