

JOB DESCRIPTION

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| Job Title | Electrical Technician |
| Reports To | Principal Engineer - Electrical |
| Function | Engineering |
| Version/Date | October 2025 |

Company / Function

Pearson Engineering Ltd is a world leading provider of counter-mine and combat engineering equipment. Our product range is wide and varied, including complex attachments for armoured vehicles and remote-controlled mine clearance systems.

The Engineering function is a multi-disciplined team that provides technical support to all other functions and is responsible for product design, innovative product development and the delivery of the complete manufacturing and technical data packs associated with our contracts. The team also provides hands-on support for installation, testing and commissioning equipment, both internally and at our customers' sites, across the world.

Job Purpose

Reporting to the Principal Engineer - Electrical, the primary role is to leverage hands on technical expertise and experience to assemble, test and fault find electro-mechanical products and control systems. The role will contribute to the development of products, technology, capability, and reliability across PEL's range of products, whilst ensuring that best practice and the Company's defined engineering processes are followed.

Key Responsibilities

1. Support the wider engineering team with assembly, test and fault finding relating to electronic and electrical systems.
2. Work within a multi-disciplined engineering team to meet the project requirements and deliverables.
3. Support build, commissioning, and trials of prototypes and new products.
4. Execute electronic and electrical test requirements for both prototype and product manufacture.
5. Troubleshoot and analyse problems. Producing ideas to solve them.
6. Perform business duties such as efficient stock management, record keeping and test reports.
7. Maintain a knowledge of current technical trends and innovation to assist in the development of current and future test and fault-finding methods.
8. Work cross functionally (Commercial, Sales, Projects teams) within the business to improve efficiency and deliver effective products.
9. Communicate professionally with fellow staff, directors, and clients.
10. Other related duties as assigned.

Skills/Experience

Essential

- Proven experience in a manufacturing environment within a relevant industry.
- Experience assembling and testing electronic and electrical equipment.
- Experience in assembling and testing electro-mechanical products.
- Experience in faultfinding electronic and electrical equipment, using devices such as multimeters and oscilloscopes.
- Experience of DC electrical systems.
- Ability to read and understand electronic and electrical schematics.
- Ability to understand cable harness drawings.
- Knowledge of MS office applications including Excel and Word.
- Experience working in a multi-disciplined engineering team.
- Collaborative ethos.
- Able to think laterally when problem solving.
- Ability to investigate and interpret data, issues, and situations, to make sound decisions in high-stress situations.
- Ability to communicate complex procedures to colleagues.
- Self-motivating, initiative-taking and results driven approach.
- Ability to work to deadlines whilst maintaining high quality.

Desirable

- IPC-610 and IPC-620 certification.
- Experience using CAD packages such as E3, Altium and Inventor to review and understand designs.
- Knowledge of PLC's and knowledge of CODESYS or similar PLC software.
- Knowledge of stock management systems and processes.

Personal attributes and other requirements

- As a defence contractor, we have a number of security obligations placed upon the Company, which means that all our staff must be able to successfully achieve the relevant security clearances.
- You will be expected to support in-house training programmes, as required.

Working Conditions

- Mainly office based with visits to external customers (both UK and overseas) from time-to-time.
- Working conditions whilst on customer sites may include working outside of normal business hours and being required to work in inclement field conditions.
- Reduced working hours on a Friday.