

## JOB DESCRIPTION

<b>Job Title</b>	<b>Control Engineer</b>
<b>Reports To</b>	<b>Engineering Manager</b>
<b>Function</b>	<b>Engineering</b>
<b>Version/Date</b>	<b>February 2025</b>
<p><b>Company / Function</b></p> <p><a href="#">Pearson Engineering Ltd</a> 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.</p> <p>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 of new equipment, both internally and at our customers' sites, all over the world.</p>	
<p><b>Job Purpose</b></p> <p>Reporting to the Engineering Manager, the primary role is to leverage their technical expertise and experience to 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.</p>	
<p><b>Key Responsibilities</b></p> <ol style="list-style-type: none"> <li>1. Working within a multi-discipline engineering team to meet the project requirements.</li> <li>2. Develop electrical designs from concept through to manufacturing detail, including specifications of proprietary components, supporting analysis and reports.</li> <li>3. Develop, program, and test PLC systems for controlling PEL products.</li> <li>4. Hosting and participating in internal and external design reviews, providing technical input throughout the development of a product/solution.</li> <li>5. Supporting verification of fellow engineers' designs.</li> <li>6. Developing the testing requirements for both prototype and product manufacture.</li> <li>7. Supporting build, commissioning, and trials of new products.</li> <li>8. Analysing problems and producing ideas/designs to solve them.</li> <li>9. Working within the budget to deliver safe, effective products, on-time and to specification.</li> <li>10. Maintaining a knowledge of current technical trends and innovation to assist in the development of current and future products.</li> <li>11. Supporting delivery of customer training.</li> <li>12. Working cross functionally (Commercial, Sales, Projects teams) within the business to improve efficiency and deliver effective products.</li> <li>13. Coaching team members to improve capabilities and develop their engineering knowledge / expertise.</li> <li>14. Communicating professionally with fellow staff, directors, and clients.</li> <li>15. Other related duties as assigned.</li> </ol>	

**Skills/Experience**

- A degree in Electrical, Control, or Electronics Engineering, Science, Physics or Maths with a grade of at least a 2:1 or an equivalent qualification and experience.
- Proven experience in relevant industry.
- Experience of electronics and electrical design is essential.
- Knowledge of PLC software is beneficial.
- Experience of robotics / machine control systems / automation is beneficial.
- Experience working in a multi-disciplined engineering team.
- Able to think laterally when problem solving.
- Ability to investigate and interpret data, issues, and situations, to make sound decisions in high-stress situations.
- Staff development and career progression is crucial to our business, and we are therefore seeking a highly motivated engineer that can help others to develop and achieve their potential. You will therefore have skills in (or an interest in undertaking) the leadership and development/mentoring of staff and to help develop others by sharing your knowledge and experience.
- Appetite for learning new technologies and applications.
- Ability to communicate complex procedures to colleagues.
- Self-motivating, initiative-taking and results driven approach.
- Ability to work to deadlines whilst maintaining high quality.
- Exceptional knowledge of MS office applications including Excel and Word.

**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/uncomfortable field conditions.