

**JOB DESCRIPTION**

<b>Job Title</b>	<b>Graduate Engineer</b>
<b>Reports To</b>	<b>Principal Engineer</b>
<b>Function</b>	<b>Engineering</b>
<b>Version/Date</b>	<b>October 2023</b>

**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 of new equipment, both internally and at our customers' sites, all over the world.

**Job Purpose**

Reporting to one of the Principal Engineers, you will be working alongside one of our experienced Engineers contributing to the development and testing of PEL products and technologies, whilst ensuring that best practice and the Company's defined engineering processes are followed.

**Key Responsibilities**

1. Learn about our products to build your understanding to apply your own ideas.
2. Assisting in the design and testing which forms part of a properly engineered system.
3. Working within a multi-discipline engineering team to meet the project requirements.
4. Contribute to product design through application of sound engineering knowledge to produce robust including manufacturing drawings, specifications of proprietary components, and supporting calculations.
5. Presenting your own designs to others, with justification of your design decisions.
6. Participating in internal design reviews, providing technical input throughout the development of a product/solution.
7. Developing the testing requirements for both prototype and product manufacture.
8. Supporting build, commissioning, and trials of new products.
9. Analysing problems and coming up with ideas/designs to solve them.
10. Maintaining a knowledge of current technical trends to assist in the development of current and future products.
11. Communicating professionally with fellow staff, senior managers, and directors.
12. Other related duties as assigned.

**Skills/Experience**

- A minimum of a 2:1 bachelor's degree in engineering or equivalent.
- Experience of relevant modern engineering design tools
- Knowledge of MS office applications including Excel and Word.
- Excellent analytical and numerical skills.
- Effective problem-solving skills.
- Acts with honesty/integrity to build trust, respect, and commitment in the workplace.
- Ability to investigate and interpret data, issues, and situations, to make sound decisions in high-stress situations.
- Self-motivating, proactive and results driven approach.
- Practical experience / background is an advantage.
- Communicates effectively, both verbally and in writing.
- Ability to work to deadlines whilst maintaining high quality.

**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.