

Company:	Petards Joyce-Loebl Ltd
Department:	Petards Defence
Role Title:	Principal Engineer
Line Manager:	Defence Operations Manager

Purpose of the Role

The Principal Engineer is the lead on all technical and engineering matters in Petards Defence, providing design, development, delivery and in-service support on a range of systems, including in the fields of Communications Information Services (CIS), Fighting Vehicles (FV), Electronic Warfare (EW) and other defence and security related engineering fields. The Principal Engineer role manages and works in internal project teams, engaging with customers and suppliers when required.

The role will have responsibility for managing and developing the extant engineering process, including design reviews, safety boards and the management of engineering change. The Principal Engineer fulfils the role of Deputy Chairman on the Engineering Committee, with the Defence Operations Manager as the Chairman.

The Principal Engineer line manages a team of technical staff, in accordance with established company processes.

Key Working Relationships

- Head of Defence Operations
- Engineers & Technicians
- Other departments (e.g. Production, Purchasing, etc.)
- Senior Managers.

Skills & Attributes

- Good communicator both written and verbal
- Technical capability and an awareness of new developments in the associated field of engineering e.g. EW, Communications or Product Development).
- Be SC cleared or able to hold SC or higher security clearance.
- Hold & maintain a UK drivers Licence.
- Ability to attend and lead client meetings.
- Ability to breakdown tasks into a SoW's and delegate tasks accordingly
- Able to present visual presentations & chair meetings.
- Competent to use a configuration management application to approve and direct document production.
- Deployable off site as per the company's requirements.

Experience & Knowledge

A good candidate will be able to demonstrate experience and competency in the majority of the following:

- Strongly preferred experience in the defence and security industry, with an understanding of the relationship between Prime Contractors, the UK Ministry of Defence and SMEs.
- Experience of tailoring an engineering solution to a customer's requirements, and delivering the solution within time, cost and quality constraints.
- Maintain an awareness of safety related legislation applicable to defence projects.

Qualifications

Academic Qualifications:

One or both of the academic qualifications are essential:

- Bachelor of Engineering (BEng) at 2:1 or above, with minimum of three years of professional experience. Fields of relevance include Electronic Engineering, Electrical Engineering or Systems Engineering.

or

Higher National Diploma (HND), with seven years of professional experience.

- Experience can be traded against qualifications at the Company's discretion.

Professional Qualifications:

It is strongly preferred that the applicant already has the following; if they do not, there is a strong expectation that they will attain them within their probationary period.

- Member of the Institution for Engineering & Technology (MIET), or of similar professional body.
- Incorporated Engineer (IEng), or a higher professional accreditation, with the IET, or similar professional body.

Professional development is encouraged, supported and expected at Petards Defence; the Principal Engineer will be expected to progress to Chartered Engineer (CEng) status in a reasonable period.

Desirable Qualifications:

- Working Safely or Managing Safely from the Institution for Occupational Health & Safety (IOSH).

Specific Responsibilities

Specific responsibilities include:

- Providing day to day technical and engineering consultancy.
- Liaison with clients, suppliers, Project Managers, senior managers, and other product & project stakeholders.
- Line Management of designated staff.
- Approval of business expenses for subordinate staff
- Authorisation of overtime for subordinate staff (with Project Managers Sanction)
- Authorisation of leave and other absence for subordinate staff.
- Appraisals of subordinate staff and identification of training needs.
- Providing authorisation of documents and drawings pertinent to the designated field/product/project.
- Providing technical advice to other company departments (e.g. Purchasing, Sales & Marketing,
- Ensuring engineering output is produced at a high standard and to company processes (i.e. Governance).
- Preparation of, and leading of various Reviews within the scope of the designated field/product/project
- When directed to do so, acting as Bid Manager for bids, and providing technical input into Bids.

Other areas:

- This role is manages the following technical documentation: Product documentation: Requirements Specifications, Test procedures, Design Specifications, Design Descriptions, Maintenance documentation, Build Instructions, Bill of Materials, Technical Reports. Assembly Drawings and PCB schematics.
- Bids / Proposals: Technical authorisation of proposals - up to the value identified in the current Bid Process. Input into the Bid/No Bid review as the lead source of technical expertise.

Additional Requirements

- Deputise for the Defence Operations Manager, from time to time, when required.
- Domestic travel in the UK and overseas travel may be required, from time to time.
- The Principal Engineer must be capable of attaining and maintaining Security Clearance (SC) with the UK NSVS.
- The Principal Engineer must be capable of
- The Principal Engineer role will contribute to the supervisor factory security rota.
- If deployed to customer or supplier sites, the Principal Engineer may be nominated as “Off-Site Person in Charge” (PiC).

Name: (Employee)		Signed: (Employee)		Date:	
Name: (Line Manager)		Signed: (Line Manager)		Date:	