

# TMD TECHNOLOGIES VACANCY

**Title:** Principal Engineer

**Responsible to:** Head of Engineering

## **Scope:**

**The Equipment Division's Principal Engineer will be responsible for the technical quality and integrity of all products developed by the division. This responsibility includes collaborating with key customers to ensure that we meet their technical requirements and deliver world class technical support. The technical innovation and long term reliability of our products are the cornerstones of TMD's success. The Principal Engineer will be responsible for leading members of the engineering team to develop and manufacture new products that continue to delight our customers.**

## **Main Duties:**

- To lead the design and development of innovative new products.
- To work with the Engineering Managers and budget holders to plan and implement the companies' technology development roadmap
- Work with the Head of Engineering and Engineering Managers to develop rigorous design review processes to ensure the technical integrity of all new products
- To lead the training and technical development of the engineering team to continually improve our processes and products
- To lead the investigation and corrective action required to resolve product defects and ensure lessons are learned and captured through the design review process
- To ensure technical risks are adequately mitigated during product development and thereby support the achievement of scheduled activity against forecasts / plans
- To act as design authority for all technical aspects of designated projects.
- Maintain up to date knowledge of new techniques and technologies.
- To consider and implement improvements and changes to improve manufacturing efficiency and product costs
- To ensure adherence to both customer and TMD product specifications and quality standards
  
- Maintain an 'Engineers Daybook' to allow visibility of activities in the event of absence
- To collaborate with the Test Equipment Team Leader to defining test requirements and obtain agreement for qualification reports and Acceptance Test Documents with customers
- To develop and agree a comprehensive understanding of customer requirements, including the nature of deliverables, specifications, reliability targets, delivery milestones, etc.
- To provide technical support for customer visits, teleconferences etc.
- Planning activities in conjunction with the programme manager to meet customer and company needs
- Reviewing customer new product requirement specifications and work statements to provide supporting commentaries and information for proposals
- To undertake any other task, which may reasonably be requested

- To comply with the Company Policy on Health & Safety
- Responsible for the state-of-the-art of engineering solutions at TMD to meet customer and regulatory requirements
- Responsible for supporting, developing and training design engineers to continually advance TMD's technical capabilities
- Responsible for the definition and delivery of TMD's technology roadmap in consultation with Engineering Management and new Business Development
- Responsible for supporting the analysis and resolution of technical issues
- Responsible for the technical liaison with customers and the development of cost estimates and supporting material for bids and proposals.
- Responsible for the technical integrity of all new products

#### **Qualifications:**

- Ideally, MSc or PhD degree qualification in Physics or Electrical / Electronics Engineering or equivalent experience

#### **Experience & Other Qualities:**

- Experience in the design and development of high power TWT amplifiers for radar and defence applications. Knowledge of military / defence engineering processes, standards and customer expectations.
- Engineering supervisory or management experience.
- Power Electronics design expert with considerable experience of high voltage design techniques.

Job Reference: Principal Engineer 20/03/2017

#### **Note for Recruitment Agencies**

We have a dedicated HR team that manages TMD recruitment. With the help of our PSL, Company Website and online advertising we plan to occupy our vacancies. CVs will only be accepted from the above mentioned methods. TMD will contact recruitment agencies should we wish to engage their services; please do not contact us as CVs will not be accepted.



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