

Job Description

Mechanical Design Engineer

Purpose of Role:

Develop equipment concepts and schemes that create competitive advantage and can be constructed and commissioned safely and effectively. Produce general arrangements, detail drawings and material schedules which are clear, accurate, cost effective, and meet the requirements of the specification.

Reporting to: Engineering Manager

Primary Responsibilities/Activities:

- ◆ Assist with the preparation of design proposals and tender documents
- ◆ Report problems and deficiencies in the design brief, and develop pragmatic cost-effective solutions
- ◆ Suggest solutions to problems based on an understanding of the relevant technologies
- ◆ Produce technical information, drawings and associated schedules and documents, taking due account of health & safety requirements, designs, specifications and standards relating to the contract
- ◆ Maintain drawing files and records throughout the duration of the contract
- ◆ Ensure that such design solutions compliment and support the manufacture and assembly processes and assist in driving best practice throughout the business
- ◆ Provide technical leadership to production personnel and other staff
- ◆ Ensure as built specifications are recorded, and system function is tested and proven prior to commissioning
- ◆ Ensure that products are designed to meet customer expectations, but with modularisation and standardisation as key focuses
- ◆ Identify opportunities to continuously improve the performance & reliability of existing equipment through innovative design improvements, and where appropriate the use of new emerging technologies
- ◆ Support visits to customers as required, to help achieve sales, commission & test machines and resolve problems
- ◆ Ensure that assigned project tasks are completed on time and to budget
- ◆ Deal with specifiers and/or suppliers & distributors
- ◆ Ensure that all statutory and company procedures & practices are maintained
- ◆ Work with and support other departments to ensure business objectives are achieved
- ◆ Promote a safe working environment ensuring compliance with all current legislation
- ◆ Other duties as may be required

Key Performance Measures:

- ◆ Quality of technical solutions
- ◆ Technical solutions delivered within budget constraints
- ◆ Fit for purpose design concepts

Competencies/Skills:

- ◆ Analytical
- ◆ Self starter
- ◆ Team player
- ◆ Highly motivated
- ◆ Customer focused
- ◆ Change and goal orientated
- ◆ Realistic and pragmatic approach
- ◆ Project management skills
- ◆ Ability to assess risk
- ◆ Good oral and written communication

- ◆ Attention to detail
- ◆ Highly computer literate
- ◆ Proactive
- ◆ Flexible
- ◆ Planning & organisation skills
- ◆ Problem solving capability
- ◆ Influencing and negotiating skills
- ◆ Good customer/supplier facing skills

Background/Experience:

- ◆ Educated to BSc level or equivalent, or proven capability in a relevant discipline
- ◆ 2+ years in an engineering related position
- ◆ 5+ years in mechanical design, preferably in packaging or bespoke engineering
- ◆ Proven experience of using CAD/PDM packages at minimum intermediate level, specific experience of SolidWorks/PDM desirable
- ◆ Knowledge of CE and Health & Safety legislation
- ◆ Understanding of continuous improvement techniques
- ◆ Current driving license and passport

Signed in acceptance_____

Print Name_____ Date_____

Issued by_____ Date_____