

Job Description

Position – Mechanical Design Engineer

Reporting to Principal Engineer **Responsible for** N/A

Purpose / Role –

It is a varied job with varying degrees of responsibility, differing types of tasks ranging from initial design to machine commissioning, perhaps customer visits but with practical design remaining central to the job.

Key Aims and Objectives –

- To produce practical new designs to tight timescales in a supportive team environment.
- As well as design, all staff work flexibly to cover all aspects of the production of relatively complex machines.

Prime Role and Duties

- Produce conceptual designs from process definitions.
- Layout design of mechanical/hydraulic machinery.
- Stress and other calculations to support designs.
- To work in multi-discipline project teams on specific aspects of the machine design.
- Whilst being a specialist in one of the following you will also have a good working knowledge of at least one of the other engineering disciplines: Mechanical, structural, hydraulic, maritime, materials.
- To be involved in the build, commissioning, test and trials of new build machines. This can involve working abroad/offshore.
- Working with control and software engineers to ensure correct interfacing between different aspects of machines.

Allied Occasional Duties

- Assistance with customer proposals and other sales activities.
- Assistance to customer support team



Key Internal Interfaces

Fellow Engineers, Project Managers, Sales, Production, Commissioning, Offshore Team

Core Competences

- A degree in Mechanical Engineering
 - Sound understanding of engineering principles
 - A minimum of 3 years previous post graduate experience in a design role preferably of low volume high machines.
 - An enthusiasm for engineering. A practical experience/background is essential.
 - Knowledge of fabrication design
 - Understanding of geometric tolerances, limits and fits, weld symbols and surface finish.
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