

Job Description



Job Title: Design Engineer

Department: Engineering

Reporting to: Engineering Manager

Reports to Engineering Manager, however day-to-day may be supervised by Lead Engineer when working on projects.

Key Objectives: The Design Engineer will conceive research and develop engineering designs from product ideas gathered by liaising with the Production and Sales Departments. He/she will be familiar with, and experienced in, the application of various Design Engineering disciplines and procedures and fully appreciate their potential effect on the component definition. Factors, including the use of product, material, production processes, safety, legal requirements, quality and cost, and ease of maintenance will all need to be assessed. He/she will prepare working designs, arrange construction and test prototypes. He/she will also produce design information and prepare specifications for materials and components.

Responsibilities:

- Assist the project management team to convert client engineering requirements into detailed defined instructions for the procurement and production departments
- Establish cost effective design packages for the satisfaction and timely completion of manufacturing and inspection activities insuring compliance to quality, engineering and safety standards
- Perform stress analysis calculations
- Provide quotation data in the form of layout drawings and technical assistance
- Attend internal design reviews
- Assist in the development of design standards
- Participate in training and personal development

Client Interaction

- Participate in client interface meetings to support the sales and project engineering departments
- Support client site visits, this may involve a proportion of worldwide travel

Quality Assurance

- Adhere to Company procedures, British Standards and ISO

The Person

Qualifications:

- Associated Degree or minimum 5 years of experience mechanical, and hydraulic design within the oil and gas industry

Essential Experience & Knowledge:

- Experience of pressure retaining components
- Should be mechanically biased
- Knowledge of British Standards for Engineering Draughting
- Good writing skills, with the ability to write technical reports and procedures for Clients
- Good verbal communication skills
- Strong communication skills are a must, both written and verbal
- Fully conversant with AutoCAD, Solidworks, Microsoft Office
- Ability to work unsupervised – self motivated

Desirable Experience and Knowledge:

- Oil and Gas Industry experience
- Hydraulic analysis skills