

# Senior Project Engineer



**Department:** Engineering

**Reports To:** Engineering Team Leader

## Job Purpose:

The Senior Project Engineer will have full responsibility for the technical execution of multiple projects together with managing the design documentations submitted to Clients and Production.

## Main Responsibilities:

### (Overall responsibilities, delegated authorities & accountability)

- Assist the project management team to convert client engineering requirements into detailed defined instructions, identifying key priorities for the procurement and production departments to complete a project.
- Conceive, research, and develop engineering designs from product ideas gathered from liaising with Clients, together with Sales, Projects, and Production departments.
- Evaluate all key factors including client requirements, use of the product, material selection, safety, legal requirements, and design for manufacture.
- Apply knowledge and experience in the application of various engineering disciplines and procedures and fully appreciate their potential effect on the product definition.
- Ultimate responsibility for assigned design projects and delivering these projects within the required timescale.
- Understand project work sequences and can contribute to producing deliverables and undertaking activities.
- Attend and contribute to associated project meetings as technical lead.
- Review status forecast and control work area activities against schedule.
- Prepare project and progress reports.
- Responsible for attending meetings/reviews and reacting to any issues to best serve the customer.
- Liaise with Project Engineering Team Leader & Project Engineering Manager to look at project requirements including resources.
- Supporting other departments when/if required.
- Supporting Design Engineers with their workload when/if required.
- Training Engineers when/if required.
- Be flexible to do drawings when/if required.

## 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.
- Design to British and ISO Standards.
- Participation in internal audits if requested.

### **Health & Safety Responsibilities:**

- Take reasonable care of your own health and safety.
- Take reasonable care not to put other people - fellow employees & members of the public at risk by what you do or do not do in the course of your work.
- Co-operate with the Company, making sure you get training, and you understand and follow the company's health and safety policies, procedures, and work instructions.
- Not to interfere with or misuse anything that has been provided for your health, safety, or welfare.
- Report any injuries or illnesses you suffer as a result of doing your job.
- Report any incidents, near-misses or safety concerns you see in the workplace.
- Tell your employer if something happens that might affect your ability to work (e.g., becoming pregnant or suffering an injury)
- If you drive or operate machinery, to tell your employer if you take medication that makes you drowsy - they should temporarily move you to another job if they have one for you to do.

### **Environmental Responsibilities:**

- Understand and ensure measures designed to minimise environmental impact as a business is adhered to as per the company Environmental Policy.
- Adhere to & follow environmental initiatives in place at MSCM, e.g., Recycling, printer usage.
- Tell your employer if you wish to report an environmental matter concerning the business.

### **The Person:**

#### **Experience & Personal Attributes:**

- Associated Degree or minimum 10 years of experience mechanical, and hydraulic design.
- Oil and Gas Industry experience. (desirable)
- Experience of working in a Senior Project Engineer Role
- Experience of pressure retaining components.
- Should be mechanically biased.
- Fully conversant with Solidworks, ANSYS FEA and Microsoft Office
- Knowledge of British Standards for Engineering Draughting
- Able to deal proactively with senior discipline representatives in the co-ordination of work.
- Excellent communication skills, the ability to present complex technical results in a clear and concise manner.
- Good organisational skills with ability to manage time effectively between multiple technically demanding projects.
- Flexibility in responding to critical deadlines.
- Knowledge of British Standards for Engineering Draughting
- Good verbal communication skills.
- Good writing skills, with the ability to write technical reports and procedures for Clients
- Good attention to detail.
- Strong communication skills are a must, both written and verbal.
- Fully conversant with AutoCAD, Solidworks, Microsoft Office.
- Efficient, well organised, and able to communicate at all levels.
- Desire to work as a team with a result driven approach.
- A self-motivated, proactive individual.
- Ability to work unsupervised – self-motivated.