

## **Design Engineer (Equipment & Piping)**

**Job Code: NEPL-DE-02**

**Job Profile:** As a Design Engineer you will be responsible for doing hand calculations using industry codes/standards, generate 3D model and detailing. Creating specifications for piping systems, prepare piping model, isometrics, plot plan, finalise MTO as per standards with applications in Energy, petrochemical, Oil & Gas industries.

### **Key Responsibilities:**

- Engage in project discussion, scope definition, methodology setting & deliver solution
- Conceptualize, design, and develop equipment based on project requirements, technical specifications, and industry standards.
- Design piping systems for various industrial applications, ensuring compliance with engineering standards, codes, and project specifications.
- Prepare material specifications and ensure compliance with industry standards and regulations.
- Develop specifications for piping components, including valves, fittings, and supports, based on the design requirements and industry standards.
- Perform stress analysis and simulations to ensure that the piping systems can withstand the operational conditions, loads, and stresses they will encounter
- Use CAD (Computer-Aided Design) software to create detailed drawings and models.
- Prepare detailed documentation, such as design reports, technical specifications, equipment datasheets, piping isometrics, and bill of materials.
- Maintain accurate records of design changes, revisions, communication logs and progress.
- Collaborate with cross-functional teams, to integrate different aspects of equipment design.
- Communicate effectively with clients, and suppliers to ensure design requirements are met.

### **Skills and Qualifications:**

- Experience : 1 to 3 years
- Bachelor's or higher degree in Mechanical Engineering, Industrial design, Production, Petroleum Engineering, or a related field.
- Proficiency in CAD software (e.g., SolidWorks, AutoCAD or any other) for designing and modeling equipment/Piping.
- Knowledge of engineering principles, materials science, fluid dynamics, thermodynamics, and manufacturing processes.
- Strong analytical and problem-solving skills with commitment to deliver solutions.
- Effective communication skills to collaborate with multidisciplinary teams.
- Basic project management skills to manage multiple tasks, deadlines, and priorities.

### **How to Apply:**

- Apply with your updated resume mentioning Job code '**NEPL-DE-02**' in email subject to [contactus@nurbsengineering.com](mailto:contactus@nurbsengineering.com)