

TUYAN, LLC
Vacancy Announcement

Job Title: **Senior Mechanical Engineer**
Reports To: Engineering General Manager
Supervises: None
FLSA Status: Exempt

Senior Mechanical Engineer
General Functions:

As a Senior Mechanical Engineer, you have the opportunity to take ownership of small/medium projects and to complete mechanical engineering and project management tasks, lead, inspire and mentor team members by adhering to Tuyan's core values and becoming a strong Tuyan brand ambassador.

Duties and Responsibilities:

- Review, understand, develop and check Process and Instrumentation Diagrams (P&ID's) ortho-graphics, isometrics, bill of materials, pipeline lists, valve lists, and tie-in lists for piping design projects incorporating your familiarity with piping design in process environments
- Estimate costs of completing projects (engineering costs and total installed construction costs)
- Take ownership and manage project costs
- Understand pumping, piping, air and liquid flow and distribution systems; apply these principles to create a sound engineering design
- Complete mechanical engineering calculations such as:
 - Hydraulic calculations to size pumps and piping, determine NPSH, etc.
 - Heat loss calculations for piping, tanks and other equipment
 - Simple structural beam calculations for pipe supports, etc.
- Develop mechanical engineering documents according to industry, project and company standards including P&ID's, general arrangements, equipment installation details, tank data sheets, tie-in procedures, and piping design while leading other engineers and designers
- Take ownership and responsibility of all drawings, documents, schedules and budgets
- Prepare technical specifications for review and approval
- Evaluate vendor bids and drawings to assure compliance with specifications and project requirements
- Provide project management for projects that are primarily mechanical in nature demonstrating the ability to:
 - Be the primary point of contact for a client, and suggest solutions based on minimal information when a client calls to discuss a project
 - Lead weekly internal and client meetings
 - Prepare and communicate weekly meeting agendas and minutes

Job Specifications:

- Experience running projects using MS Project or similar tool is strongly preferred
- Strong written and oral communication skills
- Strong computer skills including the use of MS Office Suite (Outlook, Word, Excel), web meeting software (Teams, WebEx, GoTo Meeting, etc.), and PDF markup software (Bluebeam Revu or Adobe Acrobat)
- Basic knowledge of CAD software terminology, methods and practices; ability to operate CAD software is not required
- Strong leadership skills and problem resolution skills
- Ability and willingness to serve as primary customer liaison, serve as a subject matter expert in front of clients and to work within the team of engineers and designers to achieve client objectives

Minimum Qualifications:

- BS in Mechanical Engineering (BSME) required
- PE (Professional Engineer) registration desired; must be working toward or be willing to obtain PE
- 6+ years of experience in the completion of projects for clients in the industrial market sector including project development from concept through completion, including estimating, start-up and commissioning
- Demonstrated experience in oil and gas, refinery, process, or other industrial environments
- Technical field experience is relevant; our team spends time with clients at their site
- Experience designing industrial piping systems and equipment layouts
- Experience estimating mechanical engineering labor and associated cost and total installed construction costs for the mechanical aspects of the project is required
- Strong background providing a combination of both project management and engineering skills and a high comfort level with taking ownership and leading small/medium projects that are mechanically focused with little to no managerial oversight

PREFERENCE STATEMENT: Hiring Preference Shall be given to eligible Alaska Native/American Indian applicants pursuant to the P.L. 93-638 Indian Self-Determination and Education Assistance Act.

Disclaimer

The information provided in this description has been designed to indicate the general nature and level of work performed by incumbents within this job. It is not intended to be interpreted as a comprehensive inventory of all duties, responsibilities, qualifications, and working conditions required of employees assigned to this job. Management has sole discretion to add or modify the duties of the job and to designate other functions as essential at any time. This job description is not an employment agreement or contract.