

Job Description

Mechanical Engineer

GENERAL CONSTRUCTION (GC)

When you join our team, you are in the right place for your career growth and to utilize your talents and potential. we are a full Engineering, Procurement, Construction, and Maintenance (EPCM) company serving clients in Oil & Gas, Mining & Metal, Petrochemical, Power, Civil Infrastructure, Water industries in U.S. and around the world.

Servicing our customers through our diverse business divisions, we offer challenging assignments on some of the world's largest and most complex projects. Our clients value us because they know we could deliver. General Construction is headquartered in Houston, Texas and has opportunities throughout the U.S., Canada, Mexico and China.

General Construction Group is looking for a **Mechanical Engineer** for our Houston office. Job duties will include but not be limited to the following:

Roles & Responsibilities:

- Provide leadership for all mechanical requirements, working closely with the project manager, engineering manager and other engineering disciplines to develop and execute an effective project design strategy.
- Prepare Scope of Work, Technical Specifications, standards and all required drawings documentation for bid packages. Interact with suppliers and contractors as necessary to resolve design issues.
- Preparation of various process calculations including hydraulics, process simulations, piping sizing, control valve and equipment sizing, pressure head calculations, and performance flow curves.
- Prepare process equipment specifications and selection by generating P&ID's and PFD's, technical specifications, data sheets, and requests for quotation.
- Assist in the definition of project scopes and estimates, execute all aspects of mechanical design, and support project construction as required.
- Reviews the discipline scope of work to be executed to ensure it matches project specification and/or the proposal documents as appropriate
- Interface as necessary with Company engineering and project management, drafting, purchasing, as well as outside consultant engineering firms, inspection, and operations personnel.
- Prepares or approves technical bid evaluations for equipment, materials, bulk material and subcontracts in cooperation with Procurement Department
- Review incoming RFIs/Submittals and expedite responses.
- Provide mechanical design for oil and gas transportation and processing facilities.
- Review, recommend and evaluate the design, installation, and operations of compressor station and associated systems to insure compliance with DOT requirements while evaluating them for the optimization of efficient, safe and economical operation
- Conversant with one or more of the major offshore design codes (API, AISC, ABS, DnV, ASME, etc.).
- Prepares or reviews equipment, valve, piping line, and piping tie-in lists.
- Participate and promote Zero Accident HSE work culture. Enforce HSE regulations and adheres to current codes and standards.
- Participate in proposal preparation activities if required.
- Ensure that work being performed is within scope of services and within budget.

Professional Certification: PE Registration desired.

Experience: Five (5) to fifteen (15) years of hands-on experience.

Education: BS or MS of Mechanical Engineering.

Intermediate to advanced computer hardware/ software literacy. Knowledge of electrical, process, mechanical, HVAC and instrumentation industries desirable (engineering, fabrication, testing, installation and start-up). Proven experience and track record of accomplishment with excellent oral & written communication skills.

Benefits:

General Construction Group offers a selection of competitive lifestyle benefits which could include a 401K plan with company match, pension, medical, dental, vision, life insurance, flexible spending account, disability, paid time off, or flexible work schedule. We support career advancement through professional training and development.

EOE:

General Construction Group is Equal Opportunity Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, or protected veteran status and will not be discriminated against on the basis of disability.