

Job Description

Electrical 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 an **Electrical Engineer** for our Houston office. Job duties will include but not be limited to the following:

Roles & Responsibilities:

- Provide leadership for all electrical requirements, working closely with 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.
- Provide project support and plant facilities support, including troubleshooting and/or evaluation of existing electrical systems.
- Responsible for the design, installation and technical support of electrical distribution systems.
- Assist in the definition of project scopes and estimates, execute all aspects of electrical design, and support project construction as required.
- Interface as necessary with Company engineering and project management, drafting, purchasing, as well as outside consultant engineering firms, inspection, and operations personnel.
- Review incoming RFIs/Submittals and expedite responses.
- Provide general electrical design for oil and gas transportation and processing facilities.
- Develop electrical design deliverables such as electrical site plans, conduit plans, wiring diagrams, one-line diagrams, control diagrams, motor schematics, PLC layout / termination drawings, wire schedules, lighting panel schedules, electrical equipment installation details, etc.
- Perform sizing, selection, and specification of electrical components and instrumentation.
- Ensure detailed electrical engineering meets design specifications, codes and engineering standards.
- 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.
- Must have comprehensive knowledge of the specification and design details for electrical equipment including but not limited to one-line and elementary diagrams, breaker control schematics, area classification, national electrical codes and industry standards.
- Ensure that work being performed is within scope of services and within budget.
- May need to be able to work after hours to complete work product.

Professional Certification: PE Registration desired.

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

Education: BS or MS of Electrical 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.