



PETROTECH INC.
Job Description – Project Engineer

Position Title: Project Engineer

Department: Engineering

Reports To: Engineering Manager

Location: New Orleans, LA

FLSA Status: Exempt

Date: January 2026

Position Summary

Under the supervision of the Project Lead, the Project Engineer is responsible for the complete design and implementation of industrial control system projects in accordance with customer specifications and industry requirements. This position is responsible for the technical execution of assigned projects and will assist with development of project schedules, budgets, and timelines. The Project Engineer will develop and execute control system solutions, coordinate with clients and vendors, and ensure the successful delivery of high-quality control systems for power generation, oil & gas, and other industrial process industries.

Key Responsibilities

- Develop I/O lists, Cause & Effect Diagrams, control system panel designs, network architectures, electrical schematics, mechanical designs, calculations, and other technical documentation as required by project scope.
- Configure, program, and test PLC/HMI applications to ensure safe and reliable system operation.
- Select and procure control system materials, including field instrumentation and electrical equipment; review vendor data to ensure specifications and project requirements are met.

- Prepare project documentation, including Factory and Site Acceptance Test Protocols (FAT/SAT), Operations Manuals, and Functional Design Specifications.
 - Perform FATs/SATs to demonstrate hardware and software compliance to customer and project specifications.
 - Develop and implement customer training programs to ensure proper system operation and maintenance.
 - Interface effectively with engineering functions, project management, procurement, sales/applications, panel shop, and field personnel.
 - Participate in project meetings and represent Petrotech in technical discussions with customers and vendors.
 - Support loop checks and assist with system startup and commissioning activities.
 - Monitor project progress, identify risks, and implement corrective actions to meet schedules, budgets, and quality standards.
 - Maintain accurate project records, including change orders, test reports, and operational documentation.
 - Promote safety, environmental, and quality standards throughout project execution.
 - Support troubleshooting and technical problem-solving during project execution.
-

Job Qualifications

- BS Degree in Electrical Engineering, Mechanical Engineering, Controls Engineering, or a related technical field.
 - Minimum of 2 years of experience in mechanical, electrical, or process engineering roles related to control systems.
 - Recent college graduates with strong internships or co-op experience in a relevant engineering or process role will be considered.
 - Ability to work well with others and communicate effectively with clients, vendors, and team members.
-

Technical Skills

- Strong understanding of control and instrumentation systems, PLC programming, HMI configuration, electrical schematics, and network architectures.
 - Ability to interpret technical drawings, specifications, and vendor data.
 - Proficiency with control system configuration, testing, and troubleshooting.
 - Familiarity with safety standards, industry best practices, and quality systems.
-

Soft Skills

- Excellent communication, organizational, and problem-solving skills.
 - Ability to coordinate multiple tasks and work effectively in a team environment.
 - Strong attention to detail and commitment to quality.
 - Customer-focused mindset with the ability to manage stakeholder expectations.
-

Preferred Qualifications

- Experience with turbines, compressors, or rotating machinery control systems.
 - Certifications in control systems, project management, or relevant technical areas are a plus.
 - Knowledge of energy industry standards and best practices.
-

Supervisory Responsibilities

- May provide guidance to junior engineers or technical staff involved in projects.
-

Physical Requirements

- Ability to travel domestically and internationally up to 25% for troubleshooting, commissioning, and client support.

Working Conditions

- Supportive team environment.
- Typical office environment with site visits to industrial facilities such as compressor stations, power plants, refineries, offshore platforms, etc.
- Work may involve exposure to industrial environments and adherence to safety protocols.

Compensation and Benefits

- Salary: Commensurate with experience.
- Comprehensive benefits package including:
 - 401(k) matching
 - Medical, dental, and vision insurance
 - Life insurance and disability coverage
 - Paid time off and holidays
 - Professional development opportunities

Schedule

- Full-time, Monday–Friday, with flexibility for project demands and site visits.

Work Location

- New Orleans, LA with options for hybrid or remote work based on company policies and project requirements.
-

About Petrotech Inc.

Petrotech Inc. is a leading provider of industrial control and instrumentation solutions, specializing in advanced systems for turbines, compressors, and industrial process applications. We are committed to engineering excellence, customer success, and delivering reliable, high-performance solutions globally.

Equal Employment Opportunity Statement

Petrotech Inc. is an equal opportunity employer. We celebrate diversity and are committed to creating an inclusive environment for all employees. We do not discriminate based on race, color, religion, sex, national origin, age, disability, veteran status, gender identity, sexual orientation, or any other protected characteristic under applicable law.