



## PROJECT ENGINEER

### Job Description

**Department:** Engineering  
**Reports to:** Engineering Manager

**Position Summary:** Under the supervision of 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.

#### **Essential Duties and Responsibilities:**

- Development of I/O lists, Cause & Effect Diagrams, control system panel designs, network architectures, electrical schematics, mechanical designs, calculations, etc. as required by the project scope.
- Configuration, programming and testing of the PLC/HMI applications as necessary to safely operate the system.
- Selection and procurement of materials for the control system, including, when necessary, field instrumentation and electrical equipment. Review Vendor data to ensure specifications and project requirements are met.
- Preparation of project documentation including Factory and Site Acceptance Test Protocols (FAT/SAT), Operations Manuals, and Functional Design Specifications.
- Perform FATs/SATs to demonstrate for the customer the hardware and software compliance to the control system drawings/specifications.
- Development and Implementation of customer training programs.
- Interface effectively with other 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.
- Commissioning and startup assistance.
- Carry out work in accordance with Health, Safety, Environmental and Quality systems.

#### **Job Qualifications:**

- BS Degree in engineering or technical field.
- Ability to work well with others.
- Prefer 5+ years of experience (minimum 2 years) in a mechanical/electrical/process engineering role.

**Working Conditions:**

- Supportive team environment.
- Typical office environment with travel for troubleshooting/commissioning at industrial work sites in the energy sector.
- Some (~15%) domestic and/or international travel required.