



## Job Description: Electrical Control System Design Engineer

**Position:** Electrical Control System Design Engineer

**Reports To:** Electrical & Instrumentation Manager

**Responsibilities:** Design of Electrical Control Systems for Oilfield Mechanical Handling Equipment.

### Duties:

- Responsible for the design, specification and services related to electrical control systems including PLC systems, safety systems, control panels, and field instrumentation etc. related to oilfield mechanical equipment.
- Develop preliminary sketches and detailed schematics using AutoCAD Electrical Software.
- Knowledge of API, ABS, DNV, hazardous area regulations and other industry standards relative to engineering design and control systems.
- Specify component parts and create bill of materials for all bought out components.
- Assist with project scope development, resource management, cost control, and scheduling of assigned projects.
- Provide project status updates to management and participate in the evaluation and selection of qualified vendors.
- Collaborate extensively with various other groups outside of engineering (e.g., quality, marketing, construction, field service, clients etc.).
- Travel to client locations to provide detailed site support including engineering design support and start up / commissioning assistance.

### Requirements

- Bachelor Degree plus a minimum of 5 years of relevant experience **or** Diploma qualified with the equivalent representative experience as degree substitution.



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**Drilling Rig Equipment**