



Example of Project Controls Engineer Job Description

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Our company is growing rapidly and is searching for experienced candidates for the position of project controls engineer. Thank you in advance for taking a look at the list of responsibilities and qualifications. We look forward to reviewing your resume.

Responsibilities for project controls engineer

- Timely inform project management of potential problems related to cost and schedule and make recommendations for the path forward
- Driving the development, design, and implementation of instrument and controls portions of capital projects
- Developing capital and expense budget requirements related to instrumentation and controls upgrades
- Generating detailed functional requirements specifications to ensure new instruments / controls meet project requirements
- Writing and participating in Factory and Site Acceptance Testing of PLC / SCADA systems
- Supporting the effort to ensure Instrument Mechanical Integrity (MI) regulatory compliance
- Providing designs to improve instrument / controls reliability
- Instrument engineer on Capital projects instrument with contractor oversight
- Processing Hazards Analysis (PHA) / Layer of Protection Analysis (LOPA) support
- Performing Independent Protection Layer (IPL) Analysis and determine required upgrades to existing Safety Instrumented Systems (SIS)

Qualifications for project controls engineer

- Competent in technical disciplines with a broad general knowledge of

- Willingness to learn and understand fundamentals of contracts and accounting principles
- Familiarity with client-specific contractual requirements
- Simulation and Model based design tools experience
- HTS/TU education level