



Example of Controls Senior Engineer Job Description

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Our company is growing rapidly and is searching for experienced candidates for the position of controls senior engineer. We appreciate you taking the time to review the list of qualifications and to apply for the position. If you don't fill all of the qualifications, you may still be considered depending on your level of experience.

Responsibilities for controls senior engineer

- Troubleshooting and problem solving in the area of integrating electronic controls
- Participate on cross-functional engineering teams to develop innovative and feasible design concepts of special equipment or components which will economically and reliably meet project requirements and cost constraints
- Preparation of electrical drawings, control panel layouts and bills of materials
- Maintaining and developing standardized methods of controls design, programming and documentation
- Maintaining and developing design methodologies for global applications including OSHA, NEC, UL508A and EU Machinery Directive
- Responsible for satisfying the design requirements of the safety related parts of the control system
- Accountable for design quality, schedule and budget
- Programming and configuration of control hardware
- Instructing personnel in the safe operation and maintenance of equipment
- Bachelor's degree in Engineering, Computer Science or related field (Associates degree in engineering with applicable experience)

Qualifications for controls senior engineer

- Thorough knowledge of the following are a plus

- 10+ years experience in programming PLC/DCS for chemical plant design and operation process data collection and distribution for wider corporate use
- Knowledge and experience of instrument engineering
- Trained in standard procedures for safe gas and chemical handling
- Chemical plant operation experience strongly preferred