



Example of Lead Controls Engineer Job Description

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Our innovative and growing company is looking for a lead controls engineer. If you are looking for an exciting place to work, please take a look at the list of qualifications below.

Responsibilities for lead controls engineer

- Work may involve providing technical direction to and coordination of less experienced process/controls engineers
- Lead resource across manufacturing and assembly on equipment controls, vision and robots
- Design and develop electrical and electromechanical systems, including servo motors, motion controls, and high precision feedback devices to be implemented on designed precision machinery and inspection systems
- Analyze a design for functionality, cost effectiveness, and production readiness
- Interact with customers to establish requirement and provide solutions
- Plan, schedule, conduct, and coordinate program of assigned engineering work and projects
- Test equipment, debug and isolate defects
- Hold design reviews for test plans & procedures, for results reviews
- Perform control valve, pressure relief valve, vent valve, level transmitter, and orifice plate calculations
- Perform design and develop documents including Control Logic Diagrams, Shutdown Keys, Loop Diagrams, Instrument Indices, Setpoint Lists, DCS and PLC Design, Instrument Location and Installation Design

Qualifications for lead controls engineer

- Significant experience as Software Engineer / Senior Software Engineer with

- Knowledge and experience in safety critical software development practices
- Test Driven Design techniques
- Documentation and Review experience and techniques
- MS in technical discipline, process control and/or automation are preferred
- Manage and coordinate electrical design activities for multiple applications