



Example of Lead Controls Engineer Job Description

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Our company is growing rapidly and is looking for a lead 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 lead controls engineer

- Provide support to other functional areas for the transition from product development to release
- Provide troubleshooting, testing, analysis, technical support and direction to other functional areas on resolving manufacturing, procurement, quality, service, and reliability problems as necessary
- Lead implementation of Hardware design and/or customer hardware system architecture and requirements, interacting with Control Software Engineering, Systems Engineering and Project Engineering
- Translating high level architectural requirements into complex high design
- Support in creation of control hardware System architecture for tender and Project
- Support and mentoring of less experienced team members and project engineers
- Control systems requirement capture, interaction with selection of tools and methods for capturing design 'deltas'
- Participate in the hardware development of processes with the Controls management team
- Play a high profile and proactive part in the improvement and adherence across the department of Company procedures
- Work in a global team of electrical, controls and software engineers on developing state of the art control systems for reciprocating engines

Qualifications for lead controls engineer

- Familiarity with fundamentals of contracts and project accounting principles
- PhD degree preferred, in Vehicle/Electrical-Vehicle/Mechanical Engineering or related field, from top universities, with 3+ years experience
- Apply knowledge of manufacturing practices and geometric dimensioning and tolerancing (GD&T) to produce high-quality and cost-effective mechanical and packaged systems designs using 3-dimensional solid modeling and 2-dimensional computer aided design (CAD) software
- Understand Instrumentation, Electrical and Mechanical requirements for cabinet design for applications teams such as GT, ST, Excitation, DCS and compressor controls design
- Coordinating with Design, Manufacturing & Sourcing departments to improve component design and assembly as required for localization efforts