



Example of Electrical Controls Engineer Job Description

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Our company is growing rapidly and is searching for experienced candidates for the position of electrical controls engineer. To join our growing team, please review the list of responsibilities and qualifications.

Responsibilities for electrical controls engineer

- Update knowledge and skills in order to keep up with rapid advancements in FPGA/communication technology
- Review Customer requirements / Specifications and work with stakeholders / customers to meet / clarify specs
- Lead & Execute Application SW for Excitation / Static start systems
- Drive continuous improvement on Products
- Participate in Product Development Programs as and when required
- Work to support and troubleshoot issues with control systems including PLC programming, and interface systems to PLC's such as MMI, SCADA and other
- Develop power transformer control design(s)
- Prepare documentation and drawings for customers and shop (including Control Wiring Department, Assembly Shop)
- Manage line priorities to assure that all activity is directed in alignment with Business objectives
- Serve as controls engineer expert for all areas of the plant

Qualifications for electrical controls engineer

- Determine cost of engineering, labor, equipment and materials for projects
- Sound proficiency in process control applications and database systems
- Develop, program and troubleshoot Allen Bradley PLC applications
- Investigated and resolved root causes for all system malfunctions

- Monitored power distribution system features such as single-line diagrams and electrical equipment layouts