

Example of Electrical Controls Engineer Job Description

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Our growing company is searching for experienced candidates for the position of electrical controls engineer. Please review the list of responsibilities and qualifications. While this is our ideal list, we will consider candidates that do not necessarily have all of the qualifications, but have sufficient experience and talent.

Responsibilities for electrical controls engineer

- Manage projects to minimize investment cost while providing conveyors, equipment, and facilities that require a minimum operating cost (with maximum throughput, energy efficiency)
- Knowledge of Australian Wiring rules
- Rockwell RSLogix 500/5000 and FactoryTalk View Studio programming required
- Plan, develop, coordinate and direct a number of large and important projects or a project of major scope and importance
- Draws on depth of personal experience to approach problems through a series of complete and conceptually related studies to deal with difficult problems which require unique or novel approaches
- Continually seeks out and applies methods, procedures, practices and technology to improve performance level and efficiency of assigned tasks
- Interacts with Operations and plant personnel to obtain input required to provide customer accepted product
- Drive and support Electrical Preventive and Predictive Maintenance functions and repairing of manufacturing equipment, electrical controls, electrical equipment and functions in the facility and other related duties
- Assist with design, integration, installation, and support of manufacturing equipment, control systems, and data acquisition systems
- Systems analysis and troubleshooting

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- Superior breadth of electrical project management experience
 - Talented Automation and Controls engineer with hands-on experience in PLC (Rockwell preferred), HMI, DCS and SIS applications development , systems integration, testing and troubleshooting
 - Engineering degree, or in lieu of degree, 5 years of Electrical Experience to include Control Panel design
 - Minimum Associates Degree in Electrical Engineering or Technical discipline, plus 5 years experience in automotive parts manufacturing/ assembly
 - Experience in high volume, high variation manufacturing environment
 - A master's degree or equivalent is preferred