



Example of Controls Senior Engineer Job Description

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

Responsibilities for controls senior engineer

- Monitors process, including new equipment and tools, to ensure performance to specifications
 - Works with plant quality control and manufacturing personnel to ensure process and equipment is capable of producing product that meets quality and engineering standards
 - Reviews new and modified specifications for proper content and schedules their introduction into the manufacturing system
 - Identifies causes and develops strategies for eliminating re-occurring downtime
 - Assists with assuring tools, equipment, and processes comply with OSHA and EPA standards
 - Develop feedback control applications for commercial and industrial HVAC systems and standalone equipment with an emphasis on energy efficiency, optimization, diagnostics, and low cost of ownership
 - Implement control strategies using industry standard software tools like MATLAB and Simulink (Model Based Design)
 - Develop units tests, automated simulation and emulation tests for testing and validating chiller controls
 - Develop and maintain Software Requirements Specification documents, Software Change Requests and chiller controls testing documents for York chillers
 - Perform functional testing of control strategies at the test block
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- Willingness and ability to provide and/or supervise panel building and machine wiring as needed
- Bachelor's degree in Engineering and 3-plus years related experience or
- Master's degree in Engineering and 1-plus years related experience
- Bachelor or Master Engineering degree in Instrumentation & Control
- Familiar with both International and Local Codes & Standards
- Able to function independently but also in a project team