



# Example of Controls Senior Engineer Job Description

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Our growing company is searching for experienced candidates for the position of controls senior 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 controls senior engineer

- Programs and maintains various PLCs and HMIs but primarily Allen Bradley PLCs and Wonderware HIMIs
- Maintains proper controls documentation including cause and effect diagrams, controls narratives, and network drawings
- Using agreed standards and specifications to design technical control systems for BiW and influence the product manufacturing
- Planning and implementing improvements within Body in White, specifically those regarding controls system
- Providing technical support related to controls systems during the introduction of new models
- Ensuring the Original Equipment Manufacturer delivers specific documentation regarding proper controls
- Supporting Body in White technical training and development program, by conducting training courses and providing technical documentation
- Efficiently uses problem solving techniques including Pareto analysis, cause and effect analysis, multi-variable analysis, FMEA's and DOE's to reach solutions
- Initiates and leads plant teams in the development of process improvements
- Provides technical support for plant operations including maintenance support, capital project implementation, and Six Sigma project rollout support

## Qualifications for controls senior engineer

- Broad industrial experience to work with other engineering, safety, maintenance and managerial positions within the company
- Experience with Lean principles is preferable
- Robotics and vision system experience a plus
- Ability to document designs using the appropriate format (CAD drawings, schematics)
- Desire to learn new cutting edge technologies
- Ability to balance creative design concepts with project cost and time constraints