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# Example of Controls Engineer Job Description

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

* Troubleshoot and upgrade manufacturing equipment controls
* Lead in the installation of controls and auxiliaries on production equipment
* Hold meetings with machine operators, maintenance personnel, and others to discuss new technologies, applications, trouble shooting information and any other information beneficial to the operation
* Complete other duties as assigned or directed
* Perform routine system administration and maintenance activities (such as system monitoring, backup etc) for control networks, including but not limited to DeltaV DCS and Allen-Bradley PLC systems
* Provide on-call support to Manufacturing in the area of automation troubleshooting
* Provide support to other departments during process shakedown, testing, validation activities such as Installation and Operational Qualification
* Provide troubleshooting support on control systems process/manufacturing-related issues
* Assist to maintain implement control strategies for automated processes and equipment
* Execute change controls pertaining to DCS/PLC changes, including the generation/revision of SDLC documents as part of Change Control or project-related efforts

## Qualifications for controls engineer

* Design and write programs that control motion, perform routine functions, make decisions
* Possess good human relation skills in both implementing and coordinating efforts involved across several disciplines
* Experience with VRF or Ductless mini-split HVAC systems a plus
* Familiarity with VFD, Servo, Profinet
* Ability to independently troubleshoot all equipment and continuously evaluate equipment for improvement for quality and delivery
* DMAIC project methodology experience