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# Example of Automation & Controls Job Description

Our company is hiring for an automation & controls. 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 automation & controls

* Working with vendors of commercially available equipment to ensure the control system being provided meets national, state and local electrical codes and company standards including the safety-related parts
* Electrical and controls integration
* Ensure in the successful execution of engineering and design for mining/mineral processing or other heavy industrial sector projects within budget and on schedule
* Provide technical leadership and guidance, mentor and assist with on-the-job training of engineers-in-training and designers
* Prepare equipment specification packages
* Prepare detailed design, supply, construction, and installation specifications
* Participate in company business development activities
* Coordinate design and work as a draftspersons in the preparation of contract drawings, record keeping and other statistical work
* Produce and maintain technical and engineering drawings in using 2D or 3D CAD software such as Microstation
* Assist with the development of Piping and Instrumentation Diagrams (P&ID) and Process Flow Diagrams (PFD)

## Qualifications for automation & controls

* LabVIEW and TestStand preferred
* Minimum of 5 years of programming and deployment experience with Automation & Control technologies such as PLC, DCS and PC based control systems
* Experience with Robotics Programming
* Design and maintain instrument lists, loop drawings, termination schedules, Motor Control Circuit (MCC) configuration and control panel arrangements
* Assist in review and design of vendor package interfaces
* Engineering diploma or college diploma or equivalent electronics/instrumentation tertiary training