



Position Description

Automation Engineer

General Description

An individual classified as and Automation Engineer is a member of the Automation team, reporting to the Manager of the Automation Group. Individual will be required to work under minimal supervision to design, develop and implement control system solutions for industrial applications.

Duties & Responsibilities

- Design, develop and commission industrial automation systems.
- Design and provide technical oversight of electrical panel assembly.
- Creating BOM's and I/O lists.
- Maintain and update project documentation.
- Develop HMI/Graphics for SCADA and DCS applications.
- Ensure customer satisfaction with all aspects of project execution and final solution.
- Create and maintain customer relationships.
- Travel to customer sites as required to implement projects.

Minimum Qualifications

- 3+ years Oil and Gas, Petrochemical or Mining experience related to implementing Industrial Automation Systems.
- 3+ years' experience programming automation platforms such as Honeywell, Emerson, Allen-Bradley, and Modicon.
- Experience with low voltage power systems, field instrumentation and associated technologies in industrial environments.
- Experience developing a BOM based on I/O counts and client specifications.
- Complete understanding of interlock shutdown systems.
- Working knowledge of current design codes and standards (i.e. IEC, NEC, NFPA, ANSI).
- Ability to read/interpret P&ID's, C&E, loop drawings, and other design documents.
- Extensive knowledge of industrial control communication network topology and protocols such as Modbus, Ethernet/IP, Ethernet, Profibus.
- Proficient in troubleshooting process control systems from sensor to HMI.
- Excellent communication and inter-personal skills.
- Extensive experience with MS Office Suite.

Preferred Qualifications

- BS in Engineering(Mechanical, Electrical or Chemical)
- Experience developing design drawings using Auto-CADD or Visio.
- Experience with a control system integrator or EPC firm.
- Experience with Visual Studio 2010.
- Understanding of SIS, IEC61508, CFSE/CFSP, SIL Ratings, PHA, MOC.

Classification

Exempt