



Automation Engineer/Specialist Exton, PA

Summary: The Automation Engineer/Specialist is responsible for overseeing/completing the design, testing, programming, commissioning and startup of complex control systems.

Essential Functions:

- Participation in Client/contractor meetings, preparation of meeting minutes and action items list.
- Assist in the preparation of engineering project proposals as required.
- Oversee/complete the design and implementation of complex control systems, while staying within budget and exceeding customer expectations.
- Provides drawings, literature, training, and technical support to customer upon completions of projects.
- Preparation of control system hardware and software procurement specifications.
- Programming PLCs, HMI's, and other ancillary equipment.
- Preparation and maintenance of control system documentation including input into the generation and interpretation of P&IDs.
- Apply innovative programming skills to the PLC's, HMI's and variable frequency drives on the automated equipment.
- Interface with other internal engineering disciplines (piping, civil/structural, electrical, instrumentation, etc.) to ensure a coordinated design and complete engineering deliverables.
- Monitor/review/supervise the work of less experienced engineers/specialists and assist with training. This includes mentoring of less experienced engineers and helping develop them into Automation engineers/specialists.
- Lead on-site commissioning and startup of control systems including set point development and process control loop tuning as required.
- Oversee other Automation Engineers/Specialist on larger and/or more complex projects to complete the complete control system implementation.
- Troubleshoot issues in the field and develop solutions to customer problems both during startup and during the course of normal client operations.

Education and Experience Requirements:

- Requires a bachelor's degree in engineering from an accredited college or appropriate experience
- Minimum of 6 years of experience in PLC programming, Human Machine Interface configuration. Rockwell Automation experience required. Siemen's, Wonderware and others a plus.
- Must possess valid driver's license and credit card with the ability to travel as needed.

**Qualifications:**

- Working knowledge of instrumentation and control system wiring and grounding practices.
- Knowledge of NFPA70 (NEC) and other electrical industry codes, standards and recommended practices a plus
- Possess excellent leadership, communications, organizational, and interpersonal skills
- Ability to tune process control loops employing methods such as process identification, PID loop tuning, Lambda tuning, loop simulation using available software.
- Professional Engineer Certification (PE) required for Engineer
- Has an excellent working knowledge of general engineering principles and is proficient in his specific area of specialization.
- Must have a working knowledge of Microsoft Office; design software and is able to navigate the internet with reasonable proficiency. (Network administration a plus)
- Ability to lead and work in a team environment for project collaboration.
- Ability to successfully pass government security and drug checks.