

Controls Engineer

Description:

The Controls Engineer will be responsible for hands-on design, programming and installation of control systems for custom processes and equipment ranging from “ground-up” system design to modification and customization of existing baseline designs. The Controls Engineer may also be required to travel to local customer sites to develop or troubleshoot equipment. He/she will have a proven track record in developing and implementing standard electrical engineering practices, as well as provide detailed documentation upon project completion of the task. He/she will provide technical support during manufacture, testing and commissioning.

Required Skills:

His/her professional experience should demonstrate their computer skills, ability to handle multiple projects, ability to diagnose automation/control system problems and interact with teams, clients and vendors. Requires excellent engineering and project skills including machinery applications, computer skills, and excellent analytical, organizational, and communication skills. This position will interface with our valued clients on projects to develop control and automation solutions.

Potential candidates must have hands-on experience in process automation and controls for a variety of automated manufacturing processes and equipment. Experienced in Panel Design, Network Architecture, PLC and HMI design/programming.

- Skilled in PLC programming packages from Rockwell Software RsLogix 5-500-5000 platforms as well as Siemens Simatic, Mitsubishi and Omron.
- A working knowledge of industrial networking systems (Ethernet/IP, Profibus, and DeviceNet, CCLink) including design, configuration, and commissioning is desired.
- Understanding of panel design including back panel layouts, power consumption and hardware.
- The ability to read and interpret documents such as functional specifications, technical specifications, safety rules, operating and maintenance instructions, and procedure manuals.
- Servo design, development and troubleshooting experience of advanced motion control systems including multi axis, coordinated axis applications is a plus. (Rockwell Kinetix experience is a plus).
- Experience with Variable Frequency Motor Drives
- Knowledge of industrial safety standards
- Ability to design electrical schematics
- Design control panel layouts
- Experience successfully managing technical projects through the entire project cycle including initiating, planning, executing, monitoring, commissioning, and closing phases.
- Self-motivated and customer-focused.
- Strong organization, communication, and leadership skills.
- AutoCAD experience (AutoCAD Electrical a Plus)
- Microsoft Office products

Qualifications:

- Bachelor's Degree in Electrical Engineering, or equivalent technical experience or degree; 3-10 years of experience in the field of industrial controls and system integration with a strong focus (50% +) on PLC/HMI programming.
- Demonstrated ability to multi-task and prioritize different projects and work load.
- Proven ability to communicate effectively, (written and verbally) with peers, management, contractors and vendors.