

Controls Engineer

Exciting opportunity to design and develop automated machinery for advanced manufacturing using robotics, vision, sensing, measurement, and control systems. Established, rapidly growing factory automation equipment manufacturer is seeking Controls Engineers. Creative, hands-on problem solvers will excel.

Job Responsibilities:

- Typical project lead tasks are:
 - Define I/O list
 - Define control hardware list. Working with vendors and staying up to date with new products to create cost effective designs.
 - Design control network
 - Work with mechanical project lead to ensure successful design
 - Work with customer to write controls specification
 - Review electrical drawings
 - Define alarm list
 - Creating logic flow diagram
 - Complete PLC Logic or applicable programming.
 - Complete HMI software design
 - Inspect and test panels
 - Host customer Factory Acceptance Test
 - Complete on-site startup and commissioning
 - Responsible for getting as-built electrical drawings delivered to customer.
 - Responsible for system controls manual.
- Service Calls:
 - Supporting customer on existing systems designed by the Controls Engineer.
 - Assist with on-site service calls that require higher level programming/ troubleshooting.
- Project Quoting. Meet with customer to quote electrical portion of projects.
 - Create electrical BOM for quoting purposes
 - Quoting hours for programming based on customer input



Skills:

- Knowledge of VFDs and coordinated drive systems. AB Powerflex, Siemens SINAMICS.
- Knowledge of motion control systems, including servo applications.
- Advanced knowledge of PLC programming: Rockwell Automation RS Logix 500, RS Logix 5000, Studio 5000, Connected Components Workbench. Siemens S7, PCS7.
- Knowledge of network and communication protocols.
- Knowledge of HMI systems. Rockwell Automation Factory Talk View Studio SE/ME. Siemens WinCC, Wonderware InTouch.
- Willingness to travel
- Experience in vision systems is a plus
- Good communication skills, ability to work with others and delegate tasks.
- Experience in robot programming is a plus

Education & Experience:

- BS EE Degree or equivalent Electrical / Electronic or proven control experience
- 3 – 4 years of experience with industrial electrical/machine control system design desired.
- Experience in Allen PLC & HMI programming and products is preferred. Siemens expertise is a plus.
- Experience with communications networks (Ethernet, Modbus, Profibus, and Profinet).
- Knowledge of Electrical Code requirements such as NEC, NFPA, CE, CSA, is a plus.

About Us:

South Shore Controls designs, manufactures, and installs turnkey factory automation systems with fully integrated hardware and software. Our staff of experienced engineers and highly-skilled technicians bring world-class automation to America's factories. We create:

- Industrial automation systems



- Integrated control systems
- PLC and software programs
- Certified industrial electrical panels and enclosures
- Industrial washing systems
- Field service and machinery installation
- Custom engineered solutions
- Custom machinery

South Shore Controls has a complete mechanical and electrical fabrication facility in Perry, Ohio with resources to engineer and fabricate automation control systems that streamline manufacturing operations.

Our equipment is used in industries such as:

- Food Processing
- Chemical Processing
- Rubber & Plastics manufacturing
- Paper, Film & Foil manufacturing
- Web Converting
- Primary Metals manufacturing
- Power Generation
- Water & Wastewater treatment
- Ash Handling
- Pharmaceutical manufacturing
- Building Materials
- Pigment manufacturing

Please send cover letter and resume for consideration to careers@southshorecontrols.com

For more information about South Shore Controls, visit www.southshorecontrols.com