

Field Service Electrical Technician

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:

- The primary responsibility will be to provide (electrical) onsite service and troubleshooting to previously installed South Shore Controls equipment. In addition to South Shore Controls equipment, the Service Engineer, in most cases, will be the first choice for customer call-ins when service is required on their machinery. Onsite electrical service can include:
 - Troubleshooting PLC related control panels and wiring
 - Troubleshooting field devices
 - Identifying and replacing faulty PLC hardware/drives/HMIs/field devices
 - Recommending upgrade solutions for outdated equipment
 - Software PLC troubleshooting if necessary, to diagnose an issue or fix a problem. Software changes may be required for an upgrade/conversion project also. (Controls Engineer can assist)
- Assist with Electrical/Controls startup:
 - Onsite loop checks
 - Field setup of devices (Transmitters, Load cell units, safety equipment etc.)
 - Assist electricians with troubleshooting schematics
- Electrical Design/CAD. The Service Engineer is also expected to be able to work with the hardware designer to complete tasks relating to:
 - Specifying and purchasing parts per design
 - Creating electrical schematics/wiring diagrams for customer approval (AutoCAD)
 - Making as built drawing mark ups to systems after startup
- Electrical Design/Panel Quoting. Work with customer to quote new hardware design.



- Create electrical BOM for quoting purposes
- Select components to fit the needs of the design
- Loading or tweaking of software for machine

Skills:

- Strong verbal and written communication skills and ability to represent the company in a professional manner
- Excellent problem solving and time management skills and ability to work independently
- Good electrical / mechanical aptitude and knowledge
- Ability to read and follow electrical diagrams
- Process Control equipment experience a must
- Ability to work with other engineering and manufacturing personnel to resolve problems on the shop floor and at customers facilities

Education & Experience:

- Two-year associate degree in Electrical Technology or 5+ years of equivalent experience or military training
- Experience in Allen Bradley 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.

Travel:

- Majority of the travel will be within Northeastern Ohio. Some overnights are required, less than 25% can be expected

Licenses and work authorization

- Must have a valid driver's license and United States work authorization (both required)

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