

Job Description

Electrical Engineer

Summary: This individual is responsible for Programming, Commissioning, and Startup of PLC based automation systems. The position responsibilities include system design, planning and creating programs, in-house debug, and field start-up of an automated system. A typical system includes an AB Logix PLC, FANUC robot, and an HMI. The person in this role will work as part of an overall design team to specify control requirements and sequence of operations. Most of the job will be performed at Company's location, with travel required for start-up, servicing, and commissioning at customer facilities.

Essential Duties and Responsibilities:

General:

- Develop a complete set of electrical design prints utilizing AutoCAD LT.
- Develop and write PLC programs to integrate multiple material handling devices with a robot to create an integrated production system.
- Willing to be trained to design robot programs to perform required material handling functions.
- Edit and interface HMI programs with PLC and robot functions.
- Specify and maintain I/O lists used to coordinate electrical design with program design.
- Maintain electrical schematics after initial system assembly is complete.
- Test, debug, modify, and validate all system functions prior to shipment.
- Start-up and commission completed system at customer site for final customer approval.
- Train company and customer technicians on the operation and program maintenance of the delivered system.

Additional Requirements:

- Expertise in PLC programming, Allen Bradley/Rockwell Logix products
- Experience in programming, installation, startup, and debug of integrated production systems.
- Experience with FANUC Robotics or other industrial robots a plus, but not required.
- Experience working independently at customer facilities
- Proficient in reading, interpreting, and editing electrical schematics and diagrams
- AutoCAD LT experience a plus.
- Good verbal and written communication skills.
- Work well within a team environment.
- Proficiency with Microsoft office programs including spreadsheets, email, and documents
- Position requires 25-30% travel

Qualification Requirements

To perform this job successfully, an individual must be able to perform each of the duties satisfactorily. The requirements listed below are representative of the knowledge, skill and/or ability required. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

Educational Requirements

Bachelor of Science in Electrical Engineering with two to three years' experience preferred.

Pay Range: Commensurate with experience; salary position.