

Controls Engineer

About this job

Summary

Part of the Engineering team, the Controls Engineer develops, tests, and documents machine control systems by performing the following duties:

Job description

Responsibilities include, but not limited to:

- Design, test, and install large-scale PLC based material handling systems, equipment, and machinery for use in the baking industry.
- Produce "sequence of operation" diagrams, flowcharts for electrical system designs.
- Produce detailed design drawings to customer specification.
- Design, write, and troubleshoot PLC code for AB, Mitsubishi, and Siemens PLC.
- Design and program HMI screens from a variety of manufacturers.
- Work within a specified design schedule.
- Troubleshoot equipment. This may be at assembly, or in the field. **Up to 50% travel required.**
- Records test procedures and results, numerical and graphical data, and recommendations for changes in product or test method.
- Write technical materials, such as equipment manuals and operator and maintenance instructions.
- Estimate and forecast information related to machine costing for a given project.

Desired Skills and Experience

Knowledge and Skills (Education):

- BS/EE, BS/ME, or similar
- 5+ years of experience in PLC programming and control panel design.
- Proficient in Microsoft Office, AutoCAD, general computer skills.
- Computer programming, networking, SQL proficiency a strong plus.
- Ability to solve practical problems and deal with a variety of concrete variables in situations where only limited standardization exists. Ability to interpret a variety of instructions furnished in written, oral, diagram, or schedule form.



Physical Demands

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

While performing the duties of this Job, the employee is regularly required to sit; use hands to finger, handle, or feel; reach with hands and arms and talk or hear. The employee is frequently required to stand and walk. The employee is occasionally required to climb or balance and stoop, kneel, crouch, or crawl. The employee must regularly lift and/or move up to 10 pounds and occasionally lift and/or move up to 25 pounds. Specific vision abilities required by this job include close vision, distance vision, color vision, peripheral vision, depth perception and ability to adjust focus.

Work Environment

The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

The noise level in the work environment is usually moderate.