



CONTROLS ENGINEER

Department: Engineering
Reports To: Chief Engineer
FLSA Status: Non-Exempt
Updated: 04.09.2018

Working at Logic Plus, an Eckhart Holdings company, is an opportunity to directly impact the future of American manufacturing. We strive to improve the lives of the men and women who partner with us by developing and integrating custom engineered solutions that enhance life and contribute to improved safety, efficiency, and product quality for our customers.

Logic Plus invests in people because we believe it is our people who differentiate our solutions and our company from our competitors. For over 30 years our company has committed dedicated creative minds to conceptualize and design custom electrical solutions for industry. Our customers include Nestle, Cargill, Herman Miller, Clopay, and CertainTeed Corporation.

Description

Logic Plus specializes in custom electrical controls design and integration for a variety of end markets including consumer packaged goods, food, medical, pharmaceutical, and material handling. Logic Plus is a UL certified electrical panel builder that delivers the highest quality electrical panels available in North America. With over 200 customers across all major industrial regions of the world, Logic Plus has the experience and technical depth to solve the most difficult electrical controls related problems. We take great pride in the reliability and quality of our solutions. We work closely with our customers to ensure their design to installation experience at Logic Plus is exceptional.

A Controls Engineer is responsible to work within a project team to provide controls engineering hardware and software knowledge & direction to the organization through review, design, and communication. Our goal is not to meet expectations. Our goal is to exceed expectations and ensure our customers receive an exceptional experience at Logic Plus.

Essential Duties and Responsibilities:

- Participate in design reviews at all levels; proposal, standards, project, etc.
- Analyze customer requirements and participate in proposal development activities.
- Manage technical solutions to minimize costs while maintaining reliability.
- Coordinate with other departments as necessary to satisfy project requirements.
- Provide industry specific application knowledge and direction.
- Develop project requirements and design specifications
- Maintain customer specifications and logging of deviations.
- Provide support for product development.
- Perform detailed system design, implementation and test.
- Participate in system startup activities.
- Diagnose problems with pneumatic and mechanical systems interfacing with electrical & electronic systems.
- Develop tools and integration strategies to increase effectiveness and lower cost.
- Investigate and suggest architecture and technology enhancements.
- Project tasks completed on schedule and under budget.
- Project tasks completed to specifications and checked for accuracy.

- Controlled alarm diagnostics with minimal impact to customer's production.
- Product cost containment through improved engineered solutions.

Qualifications:

To perform this job successfully, an individual must be professional, proactive, and positive. Having a passion for exceptional customer service and support is a must. Being sensitive to the unpredictable demands and uncertainties associated with customer service is a requisite to delivering superior results and exceeding the expectations of very demanding customers. Willing to travel a minimum of 35% of work year; typical projects average two weeks of straight required field service.

Education and/or Experience:

- Associate's Electrical Degree and 4 years of robotics, controls/electrical technology, or engineering experience; OR
- Bachelor's Electrical Degree and 2 years of robotics, controls/electrical, or engineering experience.

REQUIRED QUALIFICATIONS:

- 3 years of experience in automated controls systems or robot applications.
- Functional electrical maintenance and troubleshooting skills.
- Competence in industrial machinery controls design.
- PLC/HMI programming experience with an emphasis on Rockwell Software (AB). Siemens or Mitsubishi a plus.
- Experience with different fieldbus architectures such as DeviceNet, Ethernet/IP, Profinet, Profibus.

PREFERRED QUALIFICATIONS:

- Robot programming experience primarily with Fanuc
- Efficient using 2D AutoCAD to generate control system packages.
- Functional experience programming VFD's and Servo controllers.
- Familiar with electrical standards (IEC, ISO, NFPA, NEC, UL, CE, CSA).
- Familiar with Chrysler, Ford, and GM standards and specifications.
- Candidates must already have a work authorization that would permit them to work in the US.