



## **ELECTRICAL/CONTROLS ENGINEER**

**Department:** Electrical  
**Reports To:** Senior Electrical/Controls Engineer  
**FLSA Status:** Non-Exempt  
**Updated:** 7.18.18

Working at Eagle Engineering 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 manufacturing solutions that enhance life and contribute to improved safety, efficiency, and product quality for our customers.

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. We work closely with our customers to ensure their design to installation experience at Eagle is exceptional.

### **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 and support.
- 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.
- Follow Eagle processes and controls work level instructions.
- Controlled code incident management 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.

### **Education and/or Experience:**

- Associate's Degree and 4 years of robotics, controls, or engineering experience; OR
- Bachelor's Degree in Engineering and 2 years of robotics, controls, or engineering experience.

**REQUIRED QUALIFICATIONS:**

- 1 year of experience in automated controls systems
- Efficient using 2D AutoCAD to generate control system packages.
- Functional electrical maintenance and troubleshooting skills.
- Competence in industrial machinery controls design.
- PLC/HMI programming experience with an emphasis on Allen Bradley and Rockwell.
- Experience with different fieldbus architectures such as DeviceNet, Ethernet/IP, Profinet, Profibus.

**PREFERRED QUALIFICATIONS:**

- Functional experience programming VFD's and Servo controllers.
- Familiar with international standards (IEC, ISO, NFPA, NEC, UL).
- Candidates must already have a work authorization that would permit them to work in the US.