

ECKHART

5438 220th Ave Reed City, MI 49667
Eckhartusa.com Phone: (231) 832-5638

DESIGN ENGINEER

Department: Design
Reports To: Business Development Manager
FLSA Status: Non-Exempt
Updated: 4.2.21

Working at Eckhart is an opportunity to directly impact the future of American manufacturing. We are an Industry 4.0 leader committed to developing advanced manufacturing solutions that enhance the quality of life. Our AUTOCRAFT™ autonomous guided vehicles and FLEXCHECK™ collaborative robotic error-proofing systems lead the market in reliability and dependability. Our suite of solutions includes AGVs, collaborative & traditional robotics, 3D printing, conveyance & automation, highly engineered weld fixtures, lift-assist & ergonomic tooling, and mechanical & electrical engineering services. Our solutions improve employee safety, product quality, and productivity at the largest companies in the world.

Eckhart invests in people because we believe it is our people who differentiate our solutions and our company from our competitors. For over 40 years our company has committed dedicated creative minds to conceptualize and design custom manufacturing solutions for industry. Our customers span medical devices, food, consumer packaged goods, aerospace, automotive, industrial machinery, commercial construction, household appliances, and farm machinery & heavy trucks. We thrive solving our customers' most difficult problems and find satisfaction when customers receive safe and efficient turn-key solutions that enhance their quality of life.

Description

Eckhart is a premier market leading manufacturing solutions provider to Fortune 500 industrial manufacturers. From ergonomic lift-assist solutions, that help manufacturers transfer raw material and large components to points of assembly in factories, to turn key fully integrated controls that empower manufacturing companies to identify parts, confirm work sequences, and monitor product quality, our team loves creativity and ingenuity. We work closely with our customers to ensure their design to installation experience at Eckhart is exceptional.

A Design Engineer applies electrical knowledge to design industrial controls systems. Applying a working knowledge of electrical principles as well as the ability to understand wiring diagrams, layout drawings and engineering specifications is required. Our goal is not to meet expectations. Our goal is to exceed expectations and ensure our customers receive an exceptional experience at Eckhart.

Essential Duties and Responsibilities:

- Detail, modify and complete the design of controls systems for industrial applications
- Participate in design reviews at all levels; proposal, standards, project, etc.
- Analyze customer requirements and participate in proposal development activities
- Coordinate with other departments as necessary to satisfy project requirements
- Provide industry specific application knowledge and direction
- Develop project requirements and design specifications
- Participate in system startup activities.

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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 in electrical technology, manufacturing or a related field AND at least (2) years of related experience is required.

Required Qualifications:

- UL 508A experience
- 2 years of experience in automated controls systems
- Efficient using AutoCAD Electrical 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, Rockwell, and Siemens.

Other Skills and Abilities:

- Ability to design and incorporate various controls components.
- Ability to read and understand mechanical and electrical drawings.
- Working knowledge of manufacturing processes.
- Ability to prioritize and work with limited supervision.
- Good presentation skills.
- Ability to explain how and why specific conclusions were reached.
- Ability to maintain confidentiality.
- Ability to work well under pressure and to remain flexible to changing schedules and demands.