



Controls Engineer

A market-leading manufacturer rooted in the Kent Island/Annapolis area of Maryland is seeking a highly motivated **Controls Engineer** to assist with the quest to provide the highest quality solutions. This position reports to the Engineering Manager. This is an amazing opportunity to join a family-oriented company, with ever-growing opportunities for success.

Responsibilities:

- Design and develop electrical control systems for Sauer Compressors on a standard and project specific basis
- Design, code and test controller programs in various Ladder Logic PLC Systems.
- Maintain inherited standard controller designs and PLC programs
- Provide After Sales and when required field support for PLC control systems
- Work closely with Project, Design and Manufacturing teams to design new products and custom solutions based on provided requirements and specifications
- Create detailed electrical documentation including but not limited to electrical wiring schematics, electrical interconnection diagrams, sequence of operations, controls narratives on a project specific basis, utility load calculations and other documentation required per specification.
- Support design documentation/spec reviews for Sales Team.
- Maintain Bills of Materials and Bills of Operations in ERP system related to the Controls Department.
- Perform engineering calculations, simulations, and testing to ensure proper design.
- Ensure design documentation/spec reviews for sales team.
- Develop risk assessments for new product lifecycle implementation.
- Review and improved existing designs to enhance performance with budget conscious decisions.
- Research industry regulations and standards to implement in design solutions.
- Maintain and support engineering change orders for controls.
- Support and develop design processes to comply with ISO 9001:2015
- Prioritize tasks throughout multiple job responsibilities
- Develop and test new products to bring to industry
- Other duties as assigned
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Education and Experience:

- BS in Mechanical Engineering or Electrical Engineering preferred
- (2-5) years related industry experience in the development of electrical control panels and PLC programs
- 2 years of industrial equipment system experience preferred
- Experience with UL508a, NFPA, CE and other international standards for electrical equipment and controls is preferred
- Demonstrate clear understanding of engineering change process



- Must have experience working in a team environment
- Must show initiative to learn and be a self-starter, bringing ideas and designs to fruition
- Ability to multi-task and prioritize, within high-paced environment
- Advanced skills on Microsoft Office Suite: Word, Excel, PowerPoint
- Clear understanding of design and manufacturing processes
- Experience creating bills of materials required
- Technical documentation creation and review required
- Preferred experience working under ISO9001
- 2D and 3D modeling software and electrical plug in experience preferred

Benefits & Compensation:

- Salary commensurate with experience
- Company subsidized Medical, Dental, and Vision benefits effective the first of the month following 30 days of employment, 401K with 3% Safe Harbor Contribution, Bonus, 13 paid vacations days, 5 paid sick days and 12 paid holidays
- Growth opportunities are available