



JOB TITLE: Senior Controls Engineer

REPORTS TO: Robotic Automation Business Development Manager

JOB TYPE: Full Time

LOCATION: Monroe, NC

Spiroflow Systems, Inc. is a worldwide supplier of both standard and custom powder handling equipment, robotic automation, and automatic packaging solutions. Our robotic automation business provides complete bag palletizing, case packing, and carton loading automation solutions.

We currently have a senior mechanical design engineering opportunity within our robotic automation business at our corporate headquarters in Monroe, NC. Our employees earn competitive salaries and enjoy a comprehensive benefits package including medical, dental, vision coverage, life insurance, generous vacation days and a 401(k) plan.

Senior Controls Engineer:

The Controls Engineer designs, develops and implements equipment control systems and subsystems from specification through integration and start-up in a fast-paced, multi-disciplined team setting, meeting quality, performance, cost, and schedule goals. In addition, the position is to help develop design standards and assist with guiding and mentoring junior controls engineers.

This position encompasses all facets of controls engineering for factory automation and control systems, including: meeting with customers to define scope of work, controls system design, specification, programming, testing, installation, and start-up.

Responsibilities:

- Analyzes customer's systems and requirements in order to design creative and cost-effective solutions that achieve optimal performance.
- Software design including: programming, configuration, and troubleshooting of HMIs, PLCs, VFDs, servos, and other field devices.
- Program PLC and robotic control systems.
- Design electromechanical control systems.
- Requisition components for projects.
- Develop standard control designs.
- Perform system startups.

Experience and Skill Requirements:

- This position requires a solid foundation of electrical engineering with at least 5 years of experience designing complex electro-mechanical projects.
- Knowledge of industrial safety standards.
- Programming experience with Allen-Bradley PLCs. Other platforms helpful.
- Experience with HMI systems.
- Knowledge of industrial electrical systems and components.

- FANUC and/or KUKA robotic experience.
- Robot vision guidance.
- Machine vision inspection experience a pls.
- Strong communication and team skills.

Education Requirements:

The candidate must have an AS, AAS, BS, BSEE, or equivalent experience.

If your primary objectives are exceeding goals through offering customers innovative, automated robotic solutions then we would like to hear from you.

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