

The Controls Engineer is responsible for designing, programming, and supporting automation and control systems within a food manufacturing environment. This role ensures production lines operate safely, efficiently, and reliably by integrating electrical, mechanical, and software systems.

The Controls Engineer plays a critical role in supporting automated production lines, improving uptime and OEE, and leading the commissioning and startup of new equipment and production lines.

Responsibilities

Automation & Controls Development

- Design and program PLCs to support automated production systems
- Configure and maintain HMI and SCADA systems to provide operators with real-time system visibility
- Develop and maintain control panels and electrical schematics
- Integrate sensors, motors, drives, and robotic systems into production environments

Troubleshooting & Support

- Diagnose and resolve automation and electrical control issues to minimize downtime
- Provide technical support to production and maintenance teams
- Identify root causes of system failures and implement corrective actions

Commissioning & Continuous Improvement

- Support commissioning and startup of new equipment and production lines
- Partner with cross-functional teams to optimize system performance
- Drive improvements in system reliability, uptime, and overall equipment effectiveness (OEE)

Operational Excellence

- Support highly automated production lines and PLC-controlled equipment
- Ensure HMI systems are user-friendly and effective for operators
- Optimize performance of sensors, drives, and motors across production systems
- Contribute to initiatives that enhance production efficiency, reduce downtime, and improve throughput

Other Responsibilities

- Enforce adherence to GMPs and Food Safety protocols at all times.
- Rapidly escalate and resolve any Food Safety or Quality concerns.

- Perform other duties as assigned.

Requirements

Education & Experience

- Bachelor's degree in Electrical Engineering, Mechanical Engineering, or related field (or equivalent experience)
- 3–7+ years of experience in controls engineering, preferably in a manufacturing environment
- Strong experience with PLC programming (e.g., Allen-Bradley, Siemens)
- Experience with HMI/SCADA systems
- Knowledge of industrial automation components including sensors, drives, and motors
- Experience supporting equipment startup and commissioning

Physical Requirements

- Required to stand; use hands or fingers to handle or feel or reach.
- May be required to walk and stoop, kneel, or crouch, talk or hear.
- Occasionally required to sit, climb.
- Must frequently lift and/or move up to 10 pounds
- Occasionally lift and/or May require lifting, pulling or pushing of up to 50 lbs.
- Specific vision abilities required by this job include close vision, depth perception, and ability to adjust focus.

Other Duties as Assigned: *This job description is not intended to be all inclusive, but to serve as a guideline. Management retains the right to determine additions or changes to job responsibilities*

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