



Job title	<i>Controls Engineer</i>
Reports to	<i>Director of Engineering</i>

Position Summary

Coordinate and maintain manufacturing SCADA systems and overall machine controls strategy at Hudsonville Ice Cream. Proactively develop and lead initiatives to expand and strengthen machine logic, controls, and overall intelligence. Provide technical expertise in determining control system failures and identifying systemic solutions, while educating peers, maintenance staff, and operations to increase basic controls knowledge and understanding. Collaborate with internal and external partners to develop and implement standards to maintain the controls architecture and integrity.

Duties and Responsibilities

- Establish protocols, processes, and standards that create and maintain a safe work environment, product quality, and stable control conditions within the production equipment.
- Work with process/product engineering and maintenance to make necessary changes to equipment for improvements, system upgrades, preventative procedures, product changes, and new product launches.
- Maintain PLC-based control systems for manufacturing automation and instrumentation completing programming changes as necessary.
- Maintain electrical schematics.
- Troubleshooting vision software used within the manufacturing facility.
- Maintain PLC documentation upon receipt from equipment suppliers and an archive of PLC programs and machine controls drawings in an electronic and/or paper format and throughout facility.
- Maintain, troubleshoot, repair, and improve automated equipment including devices, I/O, instruments, and all other components associated with automated processes to meet production and safety goals.
- Improve equipment uptime and contribute to Plant reliability maintenance.
- Ability to diagnose problems with hydraulic, pneumatic, and mechanical systems interfacing with electrical and electronic systems. Knowledge of electronic and instrumentation principles to determine equipment malfunctions and applies skills in restoring equipment to operation.
- Implement and maintain manufacturing SCADA systems with Plant floor processing equipment. Identify and implement error-proofing requirements throughout the production process.
- Contribute to specifications for equipment purchases, which include review and commentary on equipment controls drawings prior to build approval.
- Will assist in estimating control system costs when developing capital project scopes.
- Administers access and assigns user rights to the SCADA system.
- Performs verification/validation of changes to SCADA and associated control systems.
- Partner with IT on hardware performance or infrastructure needs, changes, and overall architecture and design.
- Develops capital plans, project scopes and leads initiatives to improve overall controls stability and data integrity.

Desired Outcomes

- Implement standards that drive control system stability and reliability
- Increased equipment uptime by decreasing control system related failures
- Ensures controls related outages are thoroughly investigated as well as identification and implementation of effective corrective and preventative actions



Disclaimer

The above statements are intended to describe the general nature and level of work being performed by people assigned to this classification. They are not to be construed as an exhaustive list of all responsibilities, duties, and skills required of personnel so classified. All personnel may be required to perform duties outside of their normal responsibilities from time to time, as needed.

Qualifications

- Must have a Bachelors Degree in Electrical Engineering, Electrical Controls or equivalent of experience within controls and electrical engineering.
- Experience working with Allen Bradley PLCs.
- Experience working with electrical/controls circuitry and schematics.
- Must have experience with programing and designing automated equipment, controls systems, and SCADA environments.
- Experience with establishing control system standards and overall governance.
- Strong planning, organizational, and follow-up abilities.
- Excellent people and process management skills.
- Possess a high level of technical expertise and the ability to work independently or in a group as needed
- Experience in HMI, SQL, Vision Systems, robots, and Microsoft office computer and software.

Physical Requirements

Regularly required to stand at least 9 hours, walk, bend, and use both hands for repetitive grasping, and lifting.

Benefits

- 401K with a generous match
- Vacation
- Insurance (Health, Dental, Vision, Disability, Life)
- Bonus Plan
- Unique Wellness Incentives

Why Hudsonville Ice Cream?

At Hudsonville Ice Cream, we offer a first-class work environment with a real family feel. We appreciate and recognize the hard work, and dedication of our team members. We firmly believe that our employee's fiscal, physical, and mental health are essential elements to our organization's overall success. It is with this philosophy in mind that we offer a competitive wage and benefits package that starts day one. Moreover, Hudsonville Ice Cream is committed to its team members continual growth and development.