



Job Description Form

Department: Engineering
Location: Bethlehem
Job Title: Controls Engineer
Reports to: Engineering Manager

Level: Salary	Type of Position: <input checked="" type="checkbox"/> Full- Time <input type="checkbox"/> Part-Time <input type="checkbox"/> Contractor	Classification: <input checked="" type="checkbox"/> Exempt <input type="checkbox"/> Nonexempt
---------------	--	---

General Description

The responsibilities of the Automation & Controls Engineer will include:

- Provides technical support of automation and controls systems for a 24/7 manufacturing operation including hands-on assistance and troubleshooting.
- Diagnoses electrical wiring, relay logic, control and safety circuits, electronic boards, PLC's, touch screens, displays, contractor's, and motors.
- Works closely with the Maintenance, Engineering, and Operations personnel to address plant issues and to incorporate new equipment, capabilities and controls into plant operation.
- Independently manages automation and control improvement projects.
- Provides technical guidance and expertise to enhance troubleshooting skills and controls expertise of Maintenance technicians
- Assures uniformity of component specifications, system design, and documentation.
- Availability on nights, weekends and holidays to manage project work and to respond to emergencies.
- Supports safety initiatives and behavioral based safety observation program.
- Works across departments to develop a culture of root cause problem identification and solution while encouraging a high level of cross functional communication.
- Support operational performance improvement efforts to reduce costs, improve efficiency, reliability and quality which may require working some weekends and holidays.
- Ensures the highest levels of safety, quality, sanitation, and regulatory compliance with NEC and other codes and standards.
- Demonstrates leadership in compliance to plant safety rules, GMP regulations and company safety programs.

Work Experience Requirements

- 5+ years of hands-on experience troubleshooting manufacturing controls systems
- Proficiency with Allen Bradley equipment and systems: (ControlLogix, HMIs, SLC-500 and RS5000 series, Factory Talk SE & ME)
- Proficiency with AutoCAD – Autodesk software
- Electrical knowledge (National Electrical Code) and control system design to meet NEC and NFPA requirements.

- Good understanding of motor controls circuits.
- In-depth understanding of Ethernet & Device Net, communication protocols.
- Hands-on experience calibrating/setting up industrial instrumentation, flowmeters, level sensors and others
- Intermediate to advance computer skills including Microsoft Office
- Must be a self-starter with a high-level integrity and honesty.
- Ability to read, write, analyze, and interpret technical procedures & electrical diagrams.
- Ability to define problems, collect data, establish facts, and draw valid conclusions.
- Ability to work with a sense of urgency to resolve issues and to meet deadlines
- Ability to work in a team environment.
- Ability to multi-task with accuracy.
- Ability to apply common sense understanding to carry out instructions furnished in written, oral, or diagram form.

Education Requirements

- AS in Electrical Technology and 10+ years of experience
- BS in Electrical Engineering and 5+ years of experience
- Demonstrated level of training and experience comparable to a BS technical degree.

Please forward resume to Don Heisey, Freshpet Vice President of Human Resources at dheisey@freshpet.com