

JOB DESCRIPTION

Job Title: **Electrical Controls Technician**

Department: Engineering

Reports To: Control Engineer

Job Summary:

This position performs duties under the general direction of the Control Engineer. The position works independently to troubleshoot, maintain, repair, and/or modify the Plant's Mechanical, Electrical and Computer driven controls systems. Also includes the installation of electrical conduit and machine/building wiring as needed.

Job Requirements:

- 1) Experience in trouble-shooting Programmable Logic Controllers (Allen-Bradley preferred).
- 2) Experience with DC and AC motors, VF Drives and Servo Controlled Systems (Allen Bradley preferred).
- 3) Experience with relay and discrete device control systems.
- 4) Experience using sensing and control devices.
- 5) Experienced in the use of electrical diagnostic equipment such as multimeters, amp clamps and meg meters
- 6) Prefer experience in electrical installations with conduit and wiring practices.
- 7) Experience reading equipment manuals, MSDS, safety materials, system drawings, Process and instrument Diagrams (P&ID's), electrical schematics and blueprints.
- 8) Proficient in the use of common hand tools and hand-held power tools, and their safe operation while following OSHA and company safety guidelines
- 9) Ability to work cooperatively as a team member

Job Duties:

- 1) Interface with Production Operators and Maintenance to troubleshoot electrical issues with equipment.
- 2) Assist with system startups and operational checkouts including wiring, calibration, grounding and power testing.
- 3) Utilize technical materials such as equipment manuals, MSDS, safety materials, system drawings, Process and instrument Diagrams (P&ID's), schematics and blueprints to troubleshoot and maintain systems.
- 4) Perform PM's on specified equipment as assigned
- 5) Aid in the installation of Process and/or Building Equipment
- 6) Other duties as assigned

Physical Requirements:

- Ability to work 20 ft. off the ground from a ladder, forklift cage, or lift platform
- Ability to work in confined spaces (with appropriate safety equipment)
- Ability to carry 50 lbs. for 50 ft.
- Ability to carry, set up, and climb a 30' extension ladder
- Full range of motion of all joints
- 20-20 vision (may use corrective lenses), ability to see all primary colors

Knowledge & Skill Requirements:

- 1) Associates degree in Electronics / Electrical Technology required, along with minimum of 3 years of appropriate experience preferred. Equivalent education and Experience considered.
- 2) Excellent communication skills, both written and verbal.
- 3) Proficient in the use of computers for handling PLC troubleshooting, work orders, e-mail, etc.