

Industrial Electrician

This role will be working in an industrial setting providing electrical repairs to pumps, motors, conveyors, etc. Duties involved will include pulling wires, installing instrumentation, performing preventative maintenance, performing electrical upgrades, calibrating instrumentation and maintaining distributive control system. Experience working on large pumps and conveyors within the 120v - 480v range is preferred. Must have previous experience working in an industrial setting, experience troubleshooting and installing PLC units (Allen Bradley preferred), and a valid apprentice or journeyman electrician's license is highly desired. Preference will be given to those who have completed an accredited 4 year technical program.

Essential Duties & Responsibilities:

- Assist in developing and carrying out all preventative maintenance programs.
- Diagnose electrical problems and determine how to correct them, checking blueprints, repair manuals, and parts catalogs as necessary.
- Inspect, operate, and test machinery and equipment in order to diagnose machine malfunctions.

Job Duties:

- Assemble and install all types of new or repaired electrical circuits, systems, instrumentation and equipment, including, but not limited to, motors, regulators, controllers, generators, switches, etc...
- Inspect electrical equipment and machinery, diagnose faulty operation, determine proper corrective action, document in maintenance scheduling program, and make indicated repairs.
- Make voltmeter, ammeter, ground locating and other electrical tests. Possess working knowledge of electrical distribution systems and switchgear. Must know Underwriter codes, national codes, state and local codes, company rules and regulations and comply with them.
- Keep current with latest types of electrical controls, motors, AC/DC Drives, (PLC) Programmable Logic Controllers, (HMI) Human Machine Interfaces and industrial lighting equipment.
- Configure, commission, troubleshoot & start up any AC/DC Drive, any (HMI) Human Machine Interface current, (PLC) Programmable Logic Controller or (DCS) Distributive Control System, current and future.
- Read, comprehend and make basic electrical prints and mark up for electrical installations.
- Install and repair electrical conduit and cable, including connections, controls, grounding, etc.
- Assisting or repairing PLC hardware for Die Cast and other plant equipment.
- Able to read electrical schematics and ladder logic.
- Troubleshoot electrical control circuits and repair and maintain all electrical systems in the facility.
- Troubleshoot, repair and maintain all hydraulic and pneumatic systems.
- Repair gas fired and electrical furnaces.

- Repair transformers, buss bars, water tower and pumps, compressors
- Repair of water cooling system and plant air system.
- Repair/Rebuild all parts of Die Cast Machines and gear reduction units.
- Take direction and work with various departments to coordinate work activities and resolve problems.
- Participate in the purchase of new materials and supplies, such as tools, equipment, and replacement parts for work activities.
- Coordinate and oversee outside service people, contractors and technicians.
- Maintain records pertaining to facility maintenance, equipment and tools.
- Ensure MIOSHA requirements are met during any maintenance activity.
- Assemble, install and/or repair wiring, electrical and electronic components, pipe systems and plumbing, machinery, and equipment.
- Complete Lock/Out Tag/Out training.
- Complete Forklift training and operate forklift in safe manner.
- Perform moderately heavy lifting.
- Capable and willing to work overtime.
- Wear required personal protective equipment.
- Participate in training programs deemed necessary by the company.
- Perform other associated duties, functions or work as may be needed or assigned to continue the productive operation of the company.
- Follow all safety rules and policies as set forth by OSHA guidelines and NPC policies and procedures.
- Keep work area clean and orderly.
- Reports to supervision as indicated by organizational chart. Has the authority and responsibility for controlling quality as directed by management.
- Other duties as assigned.

Knowledge, Skills & Abilities:

Must be able to read and understand written directives. The predominate form of instructions are written, visual and verbal. Must have a complete understanding of hydraulics and pneumatics, PLC's electrical and electronic system theory, with the ability to learn on-the-job. Ability to read and interpret blueprints and schematics. Forklift certification required. Must have some means of communication for callouts.

Work & Education Requirements:

- High School Diploma or GED is required.
- Vocational / technical training is desired.
- Technical school training in Machining or Tooling Technology.
- Successful Completion of an Apprentice Program. Electrical Journeyman certification, or 5+ years of verified experience as an industrial maintenance electrician highly desired.
- Requires 3 years of applicable plant maintenance experience.

Physical Demands

This position requires manual dexterity to properly and safely manipulate tools and controls. This position requires frequent walking and standing; occasional sitting, climbing, balancing, stooping, kneeling, crouching and crawling. The employee must frequently lift and/or move up to 25 pounds and occasionally lift and/or move up to 50 pounds. Specific vision abilities required by this job include close vision, distance vision, color vision, peripheral vision, depth perception and ability to adjust focus.