



INDUSTRIAL ELECTRICIAN

Industrial electricians are responsible for the installation, maintenance, testing, troubleshooting, and repair of electrical equipment and systems in industrial plant settings. They ensure that all electrical components operate safely and efficiently to support the plant's operations.

MAIN RESPONSIBILITIES

1. Electrical maintenance:
 - Perform electrical maintenance on plant equipment and machinery;
 - Troubleshoot and repair electrical components on plant equipment and machinery;
 - Install and test new electrical and instrumentation systems and equipment;
 - Ensure compliance with safety standards and regulations.
2. Preventive Maintenance:
 - Conduct preventive maintenance programs;
 - Keep accurate records of maintenance and repairs;
 - Perform inspections of electrical systems and components.
 - Coordinate the inspection and maintenance activities for all electrical systems and components with utility, associated contractors and at times the electrical safety authority
3. Collaboration and Compliance:
 - Read and interpret electrical schematics and blueprints;
 - Collaborate with plant engineering, operations and maintenance personnel;
 - Adhere to electrical codes and regulations.

More specifically, the industrial electrician is responsible for :

- Electrical maintenance/repair/calibrations of all electrical systems including..
 - Network systems, ASI network, UPS backup systems, MCCs, Electrical Heat Trace, Tank level radars, electrical instrumentation devices
- Coordination of utility contractors for maintenance of high voltage substation including MCC's
- Coordination with contractors for annual UPS maintenance and annual electrical systems shut down (plant shutdown), electrical portion of projects including meeting with ESA and completing inspections, and for general site maintenance and repair.
- Emergency repairs of all electrical systems in the plant and shutdown of high voltage equipment.

- Coordination/reporting of electrical permits for installations that have been completed at the plant and reporting to ESA with coordination of inspections.
- Meetings with ESA inspectors to review new installations at the plant
- Coordination of electrical portion of new project installations including ordering of electrical components and materials and organization of contractors / ESA permits
- Reviewing new project designs from automation team, confirmation of design integrity and ensuring design and installation conform with the electrical code. Advise the automation team of any required modifications to drawings prior to installation, for construction issues and for AS-Built revisions
- Ordering of material required for electrical maintenance and new project installations as is required. (ordering of motors, actuators, high voltage switch gear, instrumentation equipment etc.)
- Coordinating any required repair of electrical motors at the plant with motor repair shop.
- Coordination of electrical generator repairs for the roofing trucks by Kelly cycle.
- Ordering, receiving and reviewing of all invoices for parts ordered
- Ensure all installations conform to the electrical safety authority (electrical code)
- Coordination and planning for emergency installation repairs to our high voltage switch gear including contingency planning for power outage at the plant
- Ensure plant electrical systems are fully operational and conform the Canadian electrical code for safe operation

TECHNICAL REQUIREMENTS

- 442A licensing an asset vs. 309A
- Certified Journeyman Electrician with 5+ years' experience. Preference to those with proof of completing the Industrial Apprenticeship Program
- General knowledge of conveying equipment operation, motors / compressor, electrical / electronic controls, piping systems and high speed packaging equipment
- Strong working knowledge of human machine interface (HMI), electric motor controls centers (MCC), programmable logic controllers (PLC), basic wiring circuits, power wiring, and skills necessary to safely test common electrical systems and make minor repairs where permitted

REQUIRED SKILLS AND QUALIFICATIONS

- Knowledge of electrical systems and components used in industrial settings;
- Proficiency in troubleshooting and repairing electrical systems and equipment;
- Ability to read and interpret blueprints, schematics, and technical drawings;
- Strong attention to detail and ability to follow safety protocols;

- Flexibility in working varied hours and schedules, including weekends and holidays as needed.
- Be able to communicate with other department's (communication skills)

WORK ENVIRONNEMENT AND CONDITIONS

- Work environment is primarily on equipment located outdoors;
- Workplaces include electrical contractors and maintenance departments of factories, plants, mines, shipyards, and other industrial establishments;
- The work environment may involve hazardous conditions, exposure to weather, dangerous chemical substances and must be able to work at heights as well as in confined spaces;
- Due to nature of business, hazards are present everywhere and must be aware of environment at all times.
- Standard safety equipment is required, and physical proximity to others is typically close (at arm's length).
- uniforms and personal protective equipment supplied

SCHEDULE

- Full time permanent - Monday to Friday and available occasionally on weekends when needed to ensure plant operation
- 7h-3h30 PM