



Process Technical Services
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Instrumentation & Electrical (I&E) Technician

The Instrumentation & Electrical (I&E) Technician is responsible for installing, inspecting, troubleshooting, calibrating, repairing, and maintaining electrical and instrumentation systems that support safe and reliable plant operations. This role ensures critical equipment, control systems, and instrumentation function properly to maintain operational efficiency, accuracy, and regulatory compliance.

Responsibilities

- Install, maintain, troubleshoot, and repair electrical systems, instrumentation, and control equipment.
- Inspect and test instruments, transmitters, analyzers, sensors, motors, and electrical components for proper operation.
- Perform calibration, loop checks, and functional testing of instrumentation and control devices.
- Diagnose electrical and instrumentation failures and implement corrective actions.
- Support maintenance, shutdown, turnaround, commissioning, and startup activities.
- Read and interpret electrical drawings, loop diagrams, P&IDs, schematics, and technical manuals.
- Assist with troubleshooting PLC, DCS, and other control system-related issues.
- Ensure compliance with electrical codes, safety procedures, and company standards.
- Maintain maintenance records, calibration documentation, and work orders.
- Support continuous improvement initiatives to improve system reliability and operational performance.

Qualifications

- Associate's degree, technical certification, or trade school training in Instrumentation, Electrical Technology, or related field preferred.
- 5+ years of experience in instrumentation, electrical maintenance, or industrial maintenance preferred.
- Strong knowledge of electrical systems, instrumentation, calibration, and control systems.
- Experience with PLC, DCS, analyzers, transmitters, and industrial electrical equipment preferred.
- Strong troubleshooting, analytical, and problem-solving skills.
- Ability to work independently and collaboratively in fast-paced industrial environments.