



Process Technical Services
14550 Torrey Chase Blvd, Ste 220
Houston, TX 77014
1 (800) 426-2317
www.ProcessTechnicalServices.com

Senior Electrical Engineer

The Senior Electrical Engineer provides technical leadership and electrical engineering support for plant operations, capital projects, maintenance programs, and process improvements. This role is responsible for identifying, developing, designing, and implementing electrical equipment, power distribution improvements, control systems, and maintenance strategies in collaboration with technology licensors, engineering contractors, consultants, manufacturers, Operations, Maintenance, and cross-functional project teams.

Responsibilities

- Promote, support, and comply with all plant safety policies, procedures, and regulatory requirements.
- Provide senior-level electrical engineering support for plant operations, maintenance, troubleshooting, reliability improvements, and capital projects.
- Plan, survey, design, and develop electrical specifications, scopes of work, estimates, and technical documentation for new projects and modifications to existing systems.
- Support electrical power distribution, motor control, instrumentation, automation, and control systems, including PLCs and related industrial equipment.
- Coordinate with contractors, consultants, vendors, manufacturing representatives, Operations, Maintenance, and project teams to execute engineering work safely, effectively, and on schedule.
- Review, inspect, and verify electrical equipment, installations, and contractor work for compliance with project requirements, applicable codes, and plant standards.
- Participate in plant meetings related to operations, maintenance, safety, environmental compliance, reliability, and special projects.
- Assist plant management with compliance activities related to local, state, and federal safety and environmental regulations, including associated training as needed.
- Maintain accurate electrical equipment records, engineering reference materials, site maps, drawings, and documentation of underground utilities and plant infrastructure.
- Prepare and submit technical reports, engineering recommendations, and project updates as requested by plant management.
- Conduct or support electrical safety inspections, audits, and training as needed.
- Perform other duties as assigned.

Qualifications

- Bachelor's degree in Electrical Engineering or a closely related field.
- Minimum of 10 years of electrical engineering experience, preferably in a manufacturing, industrial, petrochemical, chemical, LNG, or heavy industrial environment.
- Strong knowledge of electrical engineering principles, electrical safety practices, industrial power distribution, controls, and applicable codes and standards.
- Experience with PLCs, motor control systems, industrial automation equipment, instrumentation, and plant electrical systems.



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- Ability to develop technical specifications, review engineering drawings, evaluate vendor documentation, and support field execution of electrical projects.
- Excellent written and verbal communication skills, with the ability to work effectively with operations, maintenance, contractors, vendors, and project teams.
- Strong problem-solving skills, attention to detail, sound judgment, and commitment to safety.