

Chemical Engineering

Production Engineering

- Focus on day-to-day operation and optimization of an existing unit
- Identify and implement improvements to plant safety, environmental and profitability performance
- Develop small projects
- Participate in project teams for larger projects

Process Engineering

- Evaluate and develop major projects and debottlenecks
- Monitor industry trends and developments and recommend changes to current systems
- Provide support for production engineering
- Serve as a technical resource for the corporation
- Develop and improve systems to maintain excellent process safety and environmental performance

Control System Engineering

- Develop, optimize and troubleshoot control schemes
- Develop process models used in predictive control schemes and troubleshoot existing schemes
- Support or develop models used in unit optimization
- Support or engineer on-line process analyzer systems
- Optimize how humans interact with computer-based control systems

Environmental Engineering

- Perform assignments affecting and key to site-wide environmental compliance programs
- Assist in the development of action plans for timely, cost effective compliance
- Assist in the preparation of regulatory reports, such as emission inventory, and other state and federal required reports
- Provide support for a process unit – develop understanding of process and rules applying to unit
- Participate in Management of Change process, review compliance status and participate in field audits

Project Engineering

- Lead a multi-disciplinary team of engineers to develop and implement large projects
- Manage all aspects of a project, from concept through construction
- Interface with outside companies for engineering, purchasing of materials and construction
- Monitor activities to ensure they meet the goals of the project and adhere to company standards
- Maintain responsibility for project budgets and timelines.

We offer endless opportunities for career development. Exciting technical and management opportunities in research, marketing, sales and manufacturing are just a few of the possibilities.

Mechanical Engineering

Here are some examples of opportunities we offer:

Maintenance Engineering

- Troubleshoot, engineer, implement and/or improve plant equipment and processes
- Lead or participate on capital projects to improve plant reliability, profitability and operability, ensuring projects comply with health, safety and environmental requirements
- Participate on teams that design and execute projects to make the plant safer and more efficient and reliable
- Provide technical support to operations and maintenance, including design of new and inspection/repair of existing pieces of mechanical equipment
- Mentor engineers, specialists and technicians and provide training in the area of mechanical equipment operation and repair

Reliability Engineering

- Proactively support the development and implementation of ideas to improve plant reliability and operability, and reduce maintenance costs
- Lead or participate on capital projects to improve plant reliability, profitability and operability, ensuring projects comply with health, safety, and environmental requirements
- Implement long-range site reliability improvement programs
- Lead teams or technical networks to identify, prioritize and resolve leveraging reliability issues

Global Engineering - Mechanical

- Provide corporate level technical engineering support to plant engineering and capital project groups
- Develop standards for mechanical equipment
- Implement long-range reliability improvement programs
- Develop the strategic direction for plant maintenance
- Support major capital projects

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Electrical Engineering

Here are some examples of opportunities we offer:

Instrument & Electrical Engineering

- Troubleshoot, engineer, implement and/or improve process measurement and instrumentation, control systems, safety systems, process analyzers, process control computers and networks
- Participate on teams that design and execute projects to make the plant safer and more efficient and reliable
- Provide daily technical I and E or control systems support

Control Systems Engineering

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High Voltage Engineering

- Work as a team with electrical technicians to troubleshoot problems and perform equipment repairs
- Review equipment test reports, analyzes failures and recommends corrective actions
- Execute small projects and equipment upgrades
- Manage the electrical distribution system to ensure reliable and economical operation
- Continually evaluate the electrical system and plan for expansion and reliability improvements

Global Engineering - Electrical

- Provide electrical consultation for global manufacturing
- Develop and implement standards to maintain a consistent corporate philosophy on electrical systems
- Maintain long-term plan for equipment replacements and upgrades
- Lead engineering efforts for the execution of large scale electrical projects
- Represent the company's electrical interests to external groups

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