

JOB DESCRIPTION

Job Title: Plant Engineer

Department: Redding Research & Development

Location: Redding, CA

COMPANY:

Want to disrupt one of the largest industries in the world? Fortera is a Materials Technology Company headquartered in Silicon Valley that has created a new low-cost, low CO₂ cement that can reduce cement emissions by 60% and global CO₂ emissions by 5%. The technology is inspired by nature and directly converts CO₂ into a replacement for ordinary cement, turning a problem into a product. With over ten years of testing and 100,000 hours of R&D backing the technology, Fortera is ready to grow the team and begin commercial production of this exciting new product. Be on the ground floor of a carbon-to-value movement that will impact millions for generations to come. We are looking for passionate thinkers, doers, and problem-solvers who share our vision that big challenges are big opportunities for change. Visit www.ForteraUSA.com for more information.

POSITION OVERVIEW:

We are searching for a dynamic Plant Engineer to take on the responsibility of leading maintenance & engineering activities of a multi-shift operation. Our ideal candidate will be comfortable working hard in challenging situations, has excellent communication skills, enjoys supervising and leading others, and can handle competing priorities. If you are self-motivated and have superb interpersonal skills, then you'll thrive in this work environment.

The Plant Engineer provides project oversight and coordination, construction, layout and process design, and technical support for expansions, new operations, and modifications. This position reports directly to the Plant Manager.

RESPONSIBILITIES:

- Maintain an efficient and safe working environment for all employees
- Train team members to operate equipment and abide by all Health, Safety and Environment programs
- Prepare reports for all client activities and ensure compliance to all state and federal laws

- Provide an efficient interface with all automation and validation processes and provide training to new engineers and operators
- Establishes standards and policies for pollution control, installation, modification, quality control, testing, operating procedure, inspection, and maintenance of equipment, according to engineering principles and safety regulations
- Design training programs to ensure achievement of objectives with required budget
- Monitor capital improvement projects, organize various performance appraisals, and recommend training programs as per requirement
- Perform plant commissioning activities:
 - Testing newly installed equipment to ensure fulfillment of contract specifications
 - Instrument checks and calibrations
 - Cold flow tests
 - Trial runs on draft Standard Operating Procedures (SOPs)
 - System troubleshooting
 - Validate all systems and prepare required documents
- Execute plant run plans as developed by the process and engineering team:
 - Operate the plant using a PLC system
 - Monitor plant performance through data collection software
 - Maintain and review everyday logs to assist in resolving all issues
 - Sample and analyze process streams
 - Document, analyze and troubleshoot process deviations
 - Write status reports for engineering department to evaluate capital projects and obtain and analyze feedback for equipment
- Manage and execute preventive maintenance and plant improvement projects:
 - Troubleshoot and resolve technical maintenance issues
 - Plan, direct, and coordinate activities concerned with design, construction, modification, and maintenance of equipment and machinery in plant
 - Recommend improvements and upgrades to resolve production issues
 - Perform regular audit on safety control programs
 - Prepare bid sheets for construction and facilities acquisition
 - Develop, review, and recommend improvements to SOPs

MINIMUM QUALIFICATIONS:

- Minimum B.S. in Chemical or Mechanical Engineering
- 5+ years combination of engineering experience (Manufacturing and/or Materials industry preferred) and chemical plant operations experience
- Effective written and verbal communication skills
- Highly collaborative spirit with strong team and interpersonal skills
- Capable of climbing stairs and ladders, standing 70% of the time, lifting 50 lbs. and wearing all required PPE including full face respirator, self-contained breathing apparatus and fall protection

ORGANIZATION'S VALUES AND CULTURE:

Fortera is proud to be an Equal Opportunity Employer. We do not discriminate on the basis of race, religion, color, national origin, sex, gender identity, gender expression, sexual orientation, age, marital status, veteran status, disability status or any other status protected by applicable law.