

Job Description for Lead Engineer, Process (SAP &SOP)

Position Overview

The Lead Engineer, Process at our Sulfuric Acid Plant will oversee the development, optimization, and implementation of process engineering designs and solutions. This role requires a deep understanding of chemical engineering principles, specifically with respect to sulfuric acid production, as well as strong leadership and project management skills. The Lead Engineer will work closely with other departments to ensure the efficiency, safety, and environmental compliance of the plant.

Key Responsibilities

- **Process Design and Optimization:** Develop and refine process designs to improve efficiency, yield, and safety. Conduct technical evaluations and process simulations.
- **Project Management:** Lead and manage engineering projects from conceptualization through commissioning. Ensure projects are completed on time, within budget, and to specifications.
- **Team Leadership:** Supervise and mentor a team of process engineers. Foster a collaborative environment and ensure continuous professional development.
- **Safety and Compliance:** Ensure all processes comply with safety standards and environmental regulations. Conduct risk assessments and implement necessary safety measures.
- **Technical Support:** Provide technical support and troubleshooting expertise to the operations team. Assist in resolving process-related issues.
- **Documentation:** Maintain detailed process documentation, including process flow diagrams, operating procedures, and safety guidelines.

Qualifications

- **Education:** Bachelor's or Master's degree in Chemical Engineering or a related field.
- **Experience:** Minimum of 10 years of experience in process engineering within the chemical industry, with at least 5 years in a leadership role. Specific experience with sulfuric acid production is highly preferred.
- **Skills:**
 - In-depth knowledge of chemical process engineering principles and practices.
 - Proven project management skills with the ability to lead cross-functional teams.
 - Strong problem-solving and analytical abilities.
 - Excellent communication and interpersonal skills.
 - Proficiency in process simulation software and other engineering tools.

