Job Description: Principal Engineer, Process - Process Department – SAP, PAP, PAU

Overview

The Principal Engineer, Process in the Process Department is a pivotal role responsible for leading the design, development, and optimization of industrial processes. This position requires a dynamic professional with a deep understanding of engineering principles, a strong problem-solving ability, and a commitment to continuous improvement. The ideal candidate will demonstrate leadership, innovation, and collaboration skills to drive process excellence and efficiency.

Responsibilities

- Process Design and Optimization: Lead the development and optimization of manufacturing processes to ensure efficiency, quality, and cost-effectiveness.
- Project Management: Oversee process engineering projects from conception through completion, ensuring adherence to timelines, budgets, and quality standards.
- Technical Leadership: Provide technical expertise and mentorship to junior engineers and cross-functional teams.
- Continuous Improvement: Identify opportunities for process improvements and implement solutions to enhance productivity and reduce waste.
- Compliance and Safety: Ensure all processes comply with industry standards, regulations, and safety protocols.
- Collaboration: Work closely with other departments including R&D, Quality Assurance, and Production to align process engineering activities with overall business goals.
- Documentation: Maintain detailed documentation of processes, changes, and improvements for future reference and compliance audits.

Qualifications

- Educational Background: Bachelor's degree in Chemical Engineering, Industrial Engineering, or a related field. A Master's degree or Ph.D. is preferred.
- Experience: A minimum of 10 years of experience in process engineering, with a proven track record of successful project management and process optimization.
- Technical Skills: Proficiency in process simulation software, CAD tools, and statistical analysis.
- Leadership: Demonstrated ability to lead and motivate a team, manage cross-functional projects, and drive continuous improvement initiatives.

- Problem-Solving: Strong analytical and problem-solving skills, with the ability to identify root causes and implement effective solutions.
- Communication: Excellent verbal and written communication skills, with the ability to present complex technical information to a non-technical audience.
- Adaptability: Ability to work in a fast-paced environment and adapt to changing priorities and requirements.