

Job Description for Engineer, MOC/HAZOP III - Capital & Design Department

Overview

The Engineer, MOC/HAZOP III in the Capital & Design Department will be responsible for managing and executing Management of Change (MOC) and Hazard and Operability (HAZOP) studies. This role ensures that all engineering projects meet safety, regulatory, and design standards. The ideal candidate will possess extensive experience in process safety, risk management, and project design.

Key Responsibilities

- **Management of Change (MOC):** Lead and oversee the MOC process to ensure all modifications to systems, processes, and equipment are evaluated for safety, regulatory compliance, and operational impact.
- **HAZOP Studies:** Conduct and facilitate HAZOP studies to identify potential hazards and operability problems in the design phase of projects. Ensure the implementation of recommended safeguards and mitigations.
- **Project Design:** Collaborate with design teams to integrate safety and risk management principles into project designs. Ensure compliance with industry standards and best practices.
- **Risk Assessment:** Perform detailed risk assessments and develop risk mitigation strategies for engineering projects.
- **Documentation:** Prepare comprehensive reports, documentation, and presentations related to MOC and HAZOP studies.
- **Regulatory Compliance:** Ensure all designs and changes comply with relevant safety regulations, standards, and codes.
- **Training and Development:** Provide training and guidance to engineering staff on MOC and HAZOP processes and best practices.
- **Stakeholder Communication:** Maintain clear and effective communication with project stakeholders, including clients, regulatory bodies, and internal teams.

Qualifications

- **Education:** Bachelor's degree in Engineering (Chemical, Mechanical, or related field). A Master's degree is preferred.
- **Experience:** Minimum of 5 years of experience in process safety, risk management, and project design.
- **Certifications:** Professional Engineer (PE) license preferred. Certification in MOC and HAZOP methodologies is a plus.

