

Job Description for Engineer, DCS III - Process Department

Position Overview

The Engineer, DCS III in the Process Department will be responsible for the design, implementation, and maintenance of distributed control systems (DCS) to enhance the operational efficiency and reliability of the company's industrial processes. This role requires a thorough understanding of process control engineering principles, hands-on experience with DCS technologies, and the ability to lead complex projects from conception to completion.

Key Responsibilities

- **System Design and Configuration:** Develop and configure DCS architectures to meet specific process needs, ensuring integration with existing systems and future scalability.
- **Project Management:** Lead and manage DCS projects, including planning, budgeting, scheduling, and coordinating with cross-functional teams to ensure timely and within-budget delivery.
- **Implementation and Commissioning:** Oversee the installation, testing, and commissioning of DCS systems, ensuring they meet all safety, quality, and performance standards.
- **Troubleshooting and Maintenance:** Provide technical support and troubleshooting for DCS-related issues, implementing corrective actions and preventive maintenance strategies to minimize downtime.
- **Process Optimization:** Analyze process data and control system performance to identify opportunities for optimization and improvement, implementing advanced control strategies as needed.
- **Documentation and Training:** Develop comprehensive documentation, including system specifications, user manuals, and training materials, and provide training to operators and maintenance personnel.
- **Compliance and Safety:** Ensure all DCS activities comply with industry standards, regulatory requirements, and company policies, with a focus on maintaining a safe and secure operational environment.
- **Collaboration and Support:** Work closely with other engineering disciplines, operations, and maintenance teams to support overall plant performance and reliability.

Qualifications

- **Education:** Bachelor's degree in Electrical Engineering, Chemical Engineering, or a related field. A Master's degree is preferred.
- **Experience:** Minimum of 5 years of experience in DCS engineering within the process industry, with a strong background in system design, implementation, and support.

- **Technical Skills:** Proficiency in DCS platforms such as Emerson DeltaV, Honeywell Experion, or Yokogawa CENTUM. Knowledge of PLCs, HMI software, and SCADA systems is a plus.
- **Problem-Solving:** Strong analytical and problem-solving skills, with the ability to diagnose and resolve complex technical issues efficiently.
- **Project Management:** Demonstrated experience in managing large-scale DCS projects, with a commitment to meeting deadlines and budget constraints.
- **Communication:** Excellent written and verbal communication skills, with the ability to convey technical information clearly and effectively to diverse audiences.
- **Teamwork:** Proven ability to work collaboratively in a team-oriented environment, with strong interpersonal skills and a proactive approach to problem-solving.
- **Attention to Detail:** High level of attention to detail, with a focus on producing accurate and high-quality work.