

Job Description for Senior Engineer, Mechanical II

Capital & Design Department

Position Overview

The Senior Engineer, Mechanical II in the Capital & Design department is responsible for leading and executing mechanical engineering projects from conception through to completion. This role requires a high level of technical expertise, project management skills, and the ability to collaborate with cross-functional teams to deliver innovative solutions.

Key Responsibilities

- **Project Management:** Plan, coordinate, and oversee mechanical engineering projects, ensuring they are completed on time, within budget, and to the highest quality standards.
- **Design and Development:** Lead the design and development of mechanical systems and components, utilizing advanced engineering principles and practices.
- **Technical Leadership:** Provide technical guidance and mentorship to junior engineers and team members, fostering a culture of continuous improvement and innovation.
- **Collaboration:** Work closely with other departments, including electrical engineering, manufacturing, and quality assurance, to ensure seamless integration of mechanical systems.
- **Compliance:** Ensure all designs and projects comply with relevant industry standards, regulations, and company policies.
- **Documentation:** Prepare and maintain detailed engineering documentation, including design specifications, test plans, and reports.
- **Problem-Solving:** Identify and resolve technical challenges, utilizing strong analytical and troubleshooting skills.
- **Innovation:** Stay abreast of the latest technological advancements and industry trends, incorporating innovative solutions into project designs.

Qualifications

- **Education:** Bachelor's degree in Mechanical Engineering or a related field. Master's degree preferred.
- **Experience:** Minimum of 5 years of experience in mechanical engineering, with a focus on design and project management.
- **Technical Skills:** Proficiency in CAD software, FEA analysis, and other engineering design tools. Strong understanding of mechanical systems and components.

- **Project Management:** Proven experience managing complex engineering projects from start to finish.
- **Communication:** Excellent verbal and written communication skills, with the ability to effectively convey technical information to diverse audiences.
- **Problem-Solving:** Strong analytical skills and the ability to develop innovative solutions to complex problems.
- **Team Player:** Ability to work collaboratively with cross-functional teams and build strong working relationships.