

Job Description: Mechanical Engineer – Pump Hoist, Reel Systems, and Irrigation Design

Position Title: Mechanical Engineer

Industry: Pump Hoist, Reel Systems, and Irrigation Design

Experience Required: Minimum 10 years in equipment design, pump industry or water well industry.

Education Required: Bachelor's Degree in Mechanical Engineering or related field

Job Summary:

We are seeking a highly skilled and experienced Mechanical Engineer to join our team. The ideal candidate will have a strong background in designing and building pump hoist systems, reel systems, and irrigation systems. This role requires a combination of technical expertise, innovative thinking, and practical experience to develop and implement high-quality engineering solutions.

Key Responsibilities:

1. Design and Development:

- Lead the design and development of pump hoist systems, reel systems, and irrigation systems.
- Create detailed engineering drawings, specifications, and plans using CAD software.
- Conduct simulations and analyses to ensure designs meet performance and safety standards.

2. Project Management:

- Manage engineering projects from concept to completion, ensuring they are delivered on time and within budget.
- Collaborate with cross-functional teams, including production, quality assurance, and procurement, to ensure seamless project execution.
- Prepare project documentation, including design reports, test plans, and user manuals.

3. Innovation and Improvement:

- Identify opportunities for innovation and improvement in existing products and processes.
- Conduct research on new materials, technologies, and industry trends to enhance product performance and reliability.

4. Testing and Validation:

- Develop and oversee testing protocols to validate the performance and durability of designs.
- Analyze test data and implement design modifications as necessary to meet specifications and standards.

5. Compliance and Standards:

- Ensure all designs comply with relevant industry standards, codes, and regulations.

- Maintain up-to-date knowledge of industry best practices and standards.
- 6. **Technical Support:**
 - Provide technical support and guidance to manufacturing and assembly teams.
 - Assist in troubleshooting and resolving design-related issues during production and field deployment.

Qualifications:

- **Experience:**
 - Minimum of 10 years of experience in mechanical engineering, and those having experience with pump hoist systems, reel systems, irrigation systems, or pump design are preferred.
 - Proven track record of successful project management and product development.
- **Education:**
 - Bachelor's degree in Mechanical Engineering or a related field. A master's degree is a plus.
- **Skills:**
 - Proficiency in CAD software (e.g., AutoCAD, SolidWorks).
 - Strong analytical and problem-solving skills.
 - Excellent project management and organizational abilities.
 - Ability to work collaboratively in a team environment.
 - Strong communication skills, both written and verbal.
 - Knowledge of relevant industry standards and regulations.

Benefits:

- Competitive salary and performance-based bonuses
- Paid time off and holidays
- Professional development and training opportunities

Application Process:

Interested candidates are invited to submit their resume and cover letter detailing their relevant experience and qualifications to careers@sterlinghose.com. Please include "Mechanical Engineer – Pump Hoist and Irrigation Design" in the subject line of your email.

Company Overview:

Sterling Hose, Reel & Supply, LLC. is a leading provider of innovative engineering solutions in the water management industry. We specialize in the design and manufacture of advanced pump hoist systems, reel systems, and irrigation solutions. Our commitment to quality, sustainability, and customer satisfaction drives our success and reputation in the market.
