

EnerCorp is a private equity sponsored oilfield services company with operations in Canada and the United States. EnerCorp specializes in providing its customers sand filtration and sand management technologies / services, and custom fabrication. We are committed to delivering high quality specialty products and services, on budget, on time, and exceeding customer expectations while providing a safe and excellent working environment for our employees. EnerCorp provides innovative technologies produced in North America that deliver engineered solutions.

1.0 DUTIES AND RESPONSIBILITIES

A Mechanical Development Engineer designs, builds, and tests various mechanical devices, like industrial machines, transportation systems and robotics equipment. Their main duties include locating problems with various machinery, conducting experiments to improve different product design and using CAD technology to build product designs.

1.1 Specific responsibilities

- Engineer and design oilfield service products from initial concept and prototype through to commercialization.
- Translate client needs and requirements into technical product and service requirements.
- Help expand our product line of best-in-class flowback, drill out, and well testing equipment, focusing on automation, and improving efficiency.
- Create fully detailed parts, assemblies, drawings and BOM's in Solidworks.
- Engage heavily with all areas of the business, engineering, operations, manufacturing, sales, and marketing.
- Review drawings from other members of the engineering team.
- Revise drawings, designs, and documents in a timely and accurate manner.
- Collaborate with engineering, operations, and customers to design products and resolve problems.
- Perform calculations to develop and design components using computer-assisted programs.
- Generate SOP's, maintenance instructions, troubleshooting guides and documentation packages for equipment.
- Always seek ways to improve or optimize current company standards and procedures.
- Communicate with operations, shop personnel, clients, vendors, manufacturing facility, contractors, sales team, management, and regulatory boards.
- Report to Engineering Manager.
- Other duties as assigned.

1.2 Education, Training and Experience

- Possess Engineering Degree or Engineering Technologist Diploma or equivalent training and experience.
- Minimum five (5) years of Solidworks and AutoCAD/DraftSight, or other 3D CAD experience required.
- Minimum of three (3) years mechanical design
- Experience designing and manufacturing mechanical, or process automation equipment is required.

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- Previous experience with FEED projects and developing R&D Prototypes is an asset.
 - Experience with ASME BPVC Section VIII Division 1 & B31.3 and/or API Piping codes is an asset.
 - Knowledge with ERP system management programs. Global Shop ERP experience preferred.
 - Experience with automated mechanical equipment, pneumatics, hydraulics, electric PLC controls, is an asset.
 - Proficiency with design, drafting, and reading instrumentation and P&ID's is required.

1.3 Skills and Abilities

- Strong understanding of engineering drawing standards for manufacturing.
- Firm understanding of revision control for drawings and documents.
- Must be flexible and capable to handle wide range of situations and personalities.
- Excellent discretion and confidentiality.
- Result oriented.
- Strong analytical, mathematical, and problem-solving skills.
- Works well under pressure.
- Working knowledge of Microsoft products (Word, Excel, Outlook, etc.)
- Excellent oral and written communication skills.
- Strong interpersonal skills and the ability to communicate effectively at all levels of the organization and directly with customers.
- Strong attention to detail.
- Self-starter who can work with minimal supervision.
- Excellent time management and organizational skills

2.0 OTHERS

- Temporarily work from home with plans to return to an office environment. On some occasions, such as field prototype trials, field deployments can last multiple weeks.
- Must be able to Travel to Field, Shop, and Office locations in US and Canada
- Job is office based, but will require occasional field assignments (Prototype testing etc.)
- The successful candidate will be required to pass a drug and alcohol screening.
- Maintain an "above approach" lifestyle that reflects the company's values. Teamwork. Caring. Integrity. Work Ethic.



4.0 ACKNOWLEDGEMENT OF RESPONSIBILITIES

I have read and understand the duties outlined in this job description.

Employee Signature

Supervisor Signature

Employee Printed Name

Supervisor Printed Name

Date Signed

Date Signed