

EnerCorp Sand Solutions, LLC 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 Sand Solutions provides the largest sand management solutions rental asset base and manufacturing capabilities in North America.

1.0 DUTIES AND RESPONSIBILITIES

The Design Engineer/ Engineer Technologist works with the Engineering and Design Team to assist and complete detailed designs and drafting products/standards. Individual will prepare Solidworks designs and drawings from preliminary concepts, sketches, engineering calculations, spec sheets and other data, working with all departments to ensure our designs are safe, efficient and cost effective for both new and existing product designs.

1.1 Specific responsibilities

- Perform preliminary and advance work in the development of working layouts and final master drawings, adequate for detailing parts and units of design for new proposals and current designs.
- Create fully detailed parts, assemblies, drawings and BOM's in Solidworks.
- Mentor Jr. Design Drafters and review their work for accuracy.
- Check design work of other engineering department members including layout, form, fit, function, materials, specification callouts, geometrics, dimensioning and other out-put as directed.
- Coordinate with and consult other workers to design, lay out, or detail components and systems and to resolve design or other problems.
- Compute mathematical formulas to develop and design detailed specifications for components using computer-assisted equipment.
- Position instructions and comments into drawings.
- Develop and maintain standard parts library.
- Assist in the development of company drafting standards, dimensioning, and tolerances for manufacturing.
- Communicate with regulatory boards, clients, vendors, manufacturing facility, sales team and management.
- Make revisions to size, shape and arrangement of parts to create practical design drawings. Incorporate redlines timely and accurately.
- Perform liaison function between engineering staff and all internal departments.
- Keep Engineering Manager advised of work status, work load, problems and progress as related to work assignments.
- Other duties as assigned.

2.0 REQUIREMENTS

2.1 Education, Training and Experience

- Design & Drafting Diploma, Technologist Diploma or Engineering Degree required or equivalent training.
- Minimum five (5) years of Solidworks experience required.
- Three to five years designing in a manufacturing environment.
- Proficient in AutoCAD or DraftSight.
- Experience with piping, skid and vessel drafting an asset.
- Confident with ERP system management programs. Global Shop ERP experience preferred.

- Codeware Compress experience is an asset.
- Experience with ASME BPVC VIII-1 & B31.3 codes and PIP standards is a must.

2.2 Skills and Abilities

- Strong understanding of mechanical drawing standards, dimensioning, and tolerance for manufacturing.
- Firm understanding of revision control process for drawings and documents.
- Must possess flexibility and the capacity to handle wide range of situations and personalities.
- Excellent discretion and confidentiality.
- Strong results orientation.
- Strong analytical, mathematical and problem-solving skills.
- A dedicated and motivating leader of people and processes who is capable of successfully managing multiple tasks and meeting deadlines under pressure.
- Understand the importance of providing outstanding levels of customer service and is willing to assist and provide support to the sales team when/where needed.
- Working knowledge and skills in Windows based computer systems. Must demonstrate competency in business software packages such as Word, Excel, Access, PowerPoint, etc.
- Excellent oral and written communication skills.
- Must possess strong interpersonal skills and the ability to communicate effectively at all levels of the organization.

3.0 PHYSICAL AND SAFETY REQUIREMENTS

- Must be willing and able to work 8 hours or as necessary to meet multiple deadlines.
- Must be able to work on various projects under pressure.
- Sitting, bending, standing, walking, and typing 8 – 10 hours per day.
- Pass the required drug screen.

4.0 OTHERS

- Attention to detail and deadline-oriented.
- Self-starter who thinks of innovative, faster yet safe ways to accomplish tasks.
- Works with minimal supervision.
- Excellent time management and organizational skills.
- Flexible and able to adapt to our dynamic environment.
- May require work to be performed in wet or humid conditions, near moving mechanical parts, and around vibration, loud noise, potential of fumes or airborne particles, and varying outdoor weather conditions.
- Maintain the highest standards of professional ethics and integrity when representing the company. The employee must follow company policies and adhere to company standards of quality.
- Maintain an “above approach” lifestyle that reflects the company’s values. Teamwork. Caring. Integrity. Work Ethic.

5.0 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

The above statements are intended to describe the general nature and level of work being performed by employees assigned to this classification. They are not to be construed as an exhaustive list of all employee responsibilities, duties and/or skills required.