



Mechanical Design Engineer

JOB PURPOSE:

The Mechanical Design Engineer is responsible for the product design and development of the Victory Energy (VEO) Firetube product line. This role will support as necessary materials processing and manufacturing support to the production process.

ESSENTIAL JOB DUTIES AND RESPONSIBILITIES:

- Perform the analysis, development, design, and rating of the VEO Firetube product line; therefore, Steam Boiler experience is preferred.
- Assist in the development of VEO standards, engineering formulas, skills, and compliance with applicable codes as they relate to the Firetube product line.
- Coordinate efforts with the Production and Facilities Operations, Purchasing Manager, Operations Coordinator, Firetube Sales Managers and Firetube Aftermarket/Parts Sales.
- Use computer-assisted engineering and design software (SolidWorks) to prepare design documents.
- Provide design and analysis assistance for improvements to VEO products.
- Assist with the maintenance of QA / QC policies as requested.
- Effective coordination and communication with other departments is essential (including drafting). Timely completion of assignments is essential to avoid negatively impacting other departments.
- Troubleshoot and resolve shop fabrication or job site problems as needed. In addition to fixing the immediate problem, this requires determining the cause of the problem and means to prevent or minimize the possibility of a reoccurrence of the same problem.

OTHER JOB DUTIES:

- As a member of the Victory Energy Steam Team, your interaction and cooperation with all fellow team members are essential to achieving our goal – providing equipment that meets or exceeds our customers' expectations.

COMPETENCIES:

- Strong written and verbal communication abilities
- Time Management - Ability to manage multiple priorities and projects.
- Excellent time management and organizational skills
- Demonstrated critical thinking and problem solving.
- Flexibility and adaptability to changing priorities.
- Creative thinker, who can develop innovative solutions
- High sense of curiosity and willingness to learn
- Detail-oriented with commitment to accuracy and quality.
- Analytical approach with data-driven decision making.

REQUIREMENTS:

- Minimum 3 years of boilers, pressure vessels, HRSG and Heat Exchangers equipment is mandatory.
- Thorough experience and knowledge of combustion equipment to include boiler wind box burners, gun type burners, scroll burners and related equipment.
- An Engineering Degree is required; and professional registration as a Mechanical or Structural Engineer is beneficial.
- Previous experience with NFPA, ASME Section I boilers or Section VIII pressure vessels is required.
- Knowledge of ISO 9000 a plus.
- Experience with pressure combustion equipment and ancillary equipment.
- Thorough knowledge of AutoCAD Computer Aided Drafting software including SolidWorks, Inventor or design platform, Microsoft Word, and Excel.
- Supervisory experience in an engineering and drafting environment is beneficial.
- Must be motivated and willing to accept a challenge. Must be flexible and willing to adapt to changing schedules and demands.
- Well-spoken with good verbal and written communication skills to effectively work with sales/ customers.
- Must be able to relate and communicate well with people with varying degrees of education, product knowledge, and abilities.

PHYSICAL DEMANDS:

- Must be able to sit, stand, walk, reach, bend, occasionally lift light objects, and able to operate a computer using a keyboard and mouse.
- Must be able to occasionally move about inside the office to access file cabinets and office equipment, etc.

How to Apply:

To apply for this position please click on the link below:

[Victory EnergyEmployment Application - Victory Energy](#)

You may also send your resume directly to: hr@victoryenergy.com