



Job Posting

Open positions: Pipe Support Designer

Department: Engineering

Shift: Monday-Thursday (7:45am-5:15pm) & Fri (7:45am-11:45am)

Position Status: Exempt

Posting date: Monday, May 09, 2016

Salary Range: DOE

Purpose:

The **Support Designer** is a member of the **LISEGA INC** Engineering Department, Hanger Design Unit (HDU). The LISEGA INC HDU generates detailed design and engineering piping and component supports and restraints (i.e., hangers) drawings for standard component supports, restraints, and hanger products. Utilizing proven state-of-the-art methodologies, the **LISEGA INC** HDU establishes the design parameters associated with the safe and efficient functioning of component supports, restraints, and hanger products as associated with piping and pressurized fixed and rotating equipment.

General Duties:

1. Generate technical communications for LISEGA INC piping supports and restraints in accordance with ASME B31.1 and other national consensus Codes and standards to be utilized by LISEGA INC fabrication shop and customers (e.g., *ASME B31.1*; *ASME B31.3*; *MSS-SP58*, and *ASME B&PV Code, Section III*).
2. Familiarity with LICAD software in the drawing and conceptual designing of piping and component supports and restraints. Expert use of 2-D CAD programs (AutoCAD) in the drawing and designing of supports and restraints to meet specified customer requirements.
3. Utilization and interpretation of 3D viewing software (NAVISWORKS; Bentley Viewer; and Intergraph Smart™ 3D for Plants Review) for piping, structural, and hanger placement. Ability to perform clash detection of supports and restraints with surrounding hardware and components to ensure optimum placement of supports and restraints in the customer defined piping system. Must be capable of preparing and checking 2D and 3D representations of hanger designs within a computer aided plant simulation environment.
4. Capable of instructing and mentoring CAD technicians in the drawing of simple to complex supports, restraints, and supplemental steel structures. Works with hanger Design Supervisor and is frequent liaison between CAD Technicians, Project Managers, and other design personnel, both internal and external to LISEGA INC.
5. Prepare and review engineering specifications, drawings, and other documentation that communicate the design and technical aspects of components, systems, and structures associated with the design and analysis of complete piping and supporting systems. This includes, but is not limited to the application of the *AISC Steel Construction Manual* to supporting steel structures, baseplates, structural shapes, bolting, and steel connections.
6. Forward planning of resources and timely identification of changes to resource requirements to the hanger Design Supervisor. Review of customer specifications and other engineering design documents including identification of increase or reduction in scope of work and raising the necessary support documents for project control purposes.

Minimum Requirements/Qualifications:

1. A minimum of an A.A.S. in Mechanical, Civil, or Industrial Engineering Technology from an accredited college or university within the US or Canada.
2. A minimum of five years of progressively responsible experience in the design and drafting of piping supports and restraints (i.e., hangers). Familiarity with the *ASME Boiler and Pressure Vessel Code*, Sections II and III; *ASME B31.1*; *ASME B31.3*; and *MSS-SP58*. Ability to prepare and review piping supports and restraints specifications, hanger load tables, and variable and constant spring hanger design tables.
3. Eligible to work in the United States without any form of employer sponsorship.
4. In-depth understanding of hanger design engineering concepts, principles, and elementary statics and strength of materials.
5. Excellent technical writing skills. Good verbal communication, computer, presentation and interpersonal skills. Exceptional organizational skills and the ability to manage basic engineering tasks with multiple work phases.
6. Demonstrated understanding and implementation of quality assurance procedures, national consensus Codes, industry standards, and guidelines of 10 CFR 50 Appendix B, 10 CFR 21, and *ASME NQA-1*.

To apply, Please email your resume and cover letter or complete an online application outlining your qualifications for the position to:

liana.mcabee@us.liseqa.com or mail to:

Attn: Liana McAbee/HR Dept.
LISEGA Inc.
370 East Dumplin Valley Road
Kodak, TN 37764

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