

LISEGA the largest worldwide manufacturer of high energy pipe support systems has an opening for a **Field Service-Design Engineer** located at our Kodak, TN company. The qualified candidate will provide technical service to customers during installation, inspection and evaluation of LISEGA or other competitor pipe support components, as well as, perform all functions as a Design Engineer. Responsible for determining condition of pipe component(s): provides information to main office personnel as required to facilitate hanger design process and devise plans for replacement of pipe supports in the field; and interacts professionally with engineers, drafters, designers, and customers using strong interpersonal skills. Performs cold and hot inspection, interprets support drawings, piping isometrics and P&ID's, perform pipe stress analysis calculations, create hanger drawings, and bills of materials. (Candidate will answer questions from customers, drafters, designers, sales, and manufacturing).

Field Service-Design Engineer is responsible for the complete design/production process from the conceptual level to implementation level and requires an in depth familiarity with the process that is utilized in the design of pipe supports. He/She will design, develop, modify, and manage pipe support design engineering process and shall actively contribute to the evolution and development of this process. He/She will have an understanding of LISEGA INC design procedures and engineering software utilized within the engineering section. Solid problem solving skills is very critical, for this position.

Under direct supervision, completes design assignments of moderate complexity. Applies an advanced level of understanding within the design discipline. Familiar with ASME and AISC codes, permits, and software applications related design methods. Familiar with the process of preparing designs and drawings using project specifications and discipline-associated written and verbal instructions in accordance with established design practices, standards, and procedures. Understands the purpose of vendor documents and uses them as a reference for assigned tasks.

General duties

Establish and maintain a high level of customer satisfaction with LISEGA products, support, and service. Maintain a good customer service reputation by complying with all regulatory requirements and all aspects of LISEGA INC standards.

1. Act in accordance with design documents, sketches, or verbal instructions.
2. Train and orientate the customer representative during installations and maintenance to familiarize them with the product.
3. Communicate effectively with engineering staff at LISEGA to assure problem resolution. Consults with engineering personnel to resolve unusual problems in operations and maintenance.
4. Consults with customer and/or engineering team and manager to come up with a plan that meets clients needs.. Interact with customer representative to solve problems that need immediate attention to maintain availability.
5. Respond to customer inquiries in written form (with managerial approval), in person, or via telephone as needed.
6. Works in a team environment as part of an integrated production team and will contribute to the overall design, stress analysis, fabrication, and validation of the resulting product.
7. Responsible for assuring that designs get completed according to the client specification requirements and design deliverables are on schedule to meet the necessary for project fabrication schedules.
8. Interfacing with customer engineering personnel is essential.
9. Responsible for final design of pipe support arrangements.
10. Interact directly with various customer design groups and LISEGA design groups, in understanding the design information provided by the customer, overall project specification requirements along with the possible field constraints in installation of pipe support assemblies and structures.
11. Resolve design problems and provide solutions that are workable and are based on sound engineering considerations that meet the applicable code requirements.
12. Assist other Field Engineers as necessary.
13. Provide training and technical enhancement of field service technicians.

Specific duties

Field Service Engineer

1. Conducts walk-downs of pipe supports and piping systems for coal, combined cycle and petro-chemical projects, for advising, troubleshooting and collecting all the information drawings from the field and modified all the drawings accordingly.
2. Perform on-site installation and commissioning inspections at domestic and international sites.
3. Travel to work sites remote from the service engineer's field office city location will also be required. (Work assignments at remote city locations may be for extended periods of time.)
4. Schedule and perform routine field-testing or troubleshoot problems.
5. Assist Field Service Technicians in performing site surveys.
6. Write filed service reports and create checklist to account for all the points noted during the inspection.

7. Meet specific customer requirements, such as travel and load reserves in accordance with ASME, or other applicable codes.
8. Adhere to the permissible load values used to select beam and weld sizes, based on commonly recognized steelwork codes such as AISC, BS, DIN.
9. Studies blueprints, schematics, manuals, and other specifications to determine installation procedures. Oversees installation of product according to specifications.
10. Perform pipe stress analysis of high and low energy piping systems using CaesarII and AutoPipe.
11. Instruction/training of customers on proper use, operation and maintenance. Operates system to demonstrate equipment and to analyze malfunctions.
12. Development, implementation and execution of predictive and preventive maintenance programs.
13. On-call emergency service support, remote diagnosis and troubleshooting assistance.
14. Instructs and directs workers in servicing and repairing product(s).
15. Organize, develop as necessary, and maintain the documentation pertaining at each customer site including schematics, user manuals, etc. Submit all required paperwork on time and accurately.
16. Distribute documentation to customer and maintain a file of all documentation for use at LISEGA INC.
17. Isolate and report product defects to appropriate engineering group.
18. May supervise workers in testing and adjusting equipment to obtain optimum operating performance.
19. Makes presentations to customers and executive management staff on the CIP and various projects and prepares monthly and /or quarterly project report summaries for management.
20. Reviews inspection report and assists in resolution of field construction problems; Provide accuracy of drawings and bills of materials (minimize rework in engineering and eliminate rework in manufacturing).

Design Engineering Duties:

1. Perform Pipe Stress Analysis and Pipe Support Design Activities using CAESAR II and AutoPipe for all piping inside and outside the Pipe System Support Packages.
2. Follow firm design principles that adhere to the standard supports in the LISEGA modular system, including: symmetrical shapes, convenient dimensions for installation, generous adjustment ranges, favorable load weight ratios, special operational principles, and sensible installation aids.
3. Support the plan and the design of the proper functional integration of pipe supports into the existing piping and plant concept, and still maintain the long-term behavior of pipe systems using LICAD: AutoCAD (2D-CAD), MicroStation (2D and 3D-CAD), PDMS (3D-CAD), Caesar, AutoPipe and CAE-pipe stress analysis program.
4. Design using components that are designed for longevity and maintenance-free use, meet all important international standards and regulations and meet all of LISEGA's functional principles, (including the patented technology).
5. Review final design documents for completeness, correctness.

Physical Demands / Work Environment/ PPE

The incumbent is located in a busy office area and is routinely faced with interruptions and must meet with others on a regular basis.

1. Ability to spend long hours in the field working with the customer(s).
2. The Field Service-Design Engineer may spend long hours sitting and using office equipment and computers performing duties while using a keyboard, calculator, and telephone.
3. Frequent sitting, talking, hearing, and occasionally stand, stoop, kneel, crouch, crawl and walk. Ability to handle manual tasks occasionally and multiple tasks frequently.
4. Ability to lift (20+lbs occasionally), some lifting of supplies and materials from time to time.
5. Ability to adjust vision for close vision work. The incumbent must spend long hours in intense concentration and spend long hours on the computer entering customer order information which requires attention to detail and high levels of accuracy.
6. There may be a number of deadlines associated with this position.
7. Must wear safety glasses on manufacturing floor and steel toed boots are required if working in the shop. *(If just visiting in the shop then steel toed shoes are not required).*
8. Ability to travel, (sometimes without advance notice), 75% or more of the time.
9. Ability to climb 10 or more flights of stairs as well as ladders and scaffolding to a height of 30+ feet.
10. Ability to wear hard hat, earplugs, safety glasses, and steel toed boots on job sites per customer.
11. Capable of working in various inclement weather conditions, hot/cold, rain/sleet/snow, etc.

12. Able to secure and maintain a security clearance when necessary.

Minimum Requirements/Qualifications:

1. Master of Science in Mechanical/Civil Engineering and a minimum of 5 years previous experience required, (emphasis in field engineering and mechanical design/drafting).
2. 7 + years experience in the analysis and design of piping systems and pipe supports for power plant and petrochemical industries
3. Pipe support inspection field experience
4. Proficiency with Caesar II or Autopipe, AutoCAD, engineering software, and various computer software.
5. Five (5+) years of relevant power or petrochemical experience.
6. Position requires 4+ years of experience in placing supports in the model in a 3D model for coordination and interface of all components to support design.
7. Experience with AutoCad 2D/3D, Intergraph SmartPlant and PDS support modeler
8. Ability to perform pipe stress calculations. Proficiency in piping codes, piping analysis software, industrial expansions, upgrades, or additions, engineering life cycle and piping stress analysis programs (AutoPIPE and Caesar II).
9. Ability to lead a project to successful completion.
10. Ability to provide team leadership for on-site projects interfacing with customers
11. Knowledgeable of industries safety and procedural requirements.
12. Knowledgeable of LISEGA computer system required in job.
13. Skilled in reading and interpreting drawings, schematics, diagrams, component specifications and operating instructions.
14. Ability to communicate technical concepts clearly both orally and in writing.
15. Willing to work flexible hours and overtime on short notice and willing to travel as needed as projects flow from design to execution

LISEGA is a financially sound company offering, competitive pay, outstanding benefits, (health/dental and company paid short term/long term disability insurance, AD&D, and life insurances), additional voluntary insurances available, company matched 401 K, vacation pay, education benefits, annual bonus, operating equipment, and company car

Send resume and cover letter with salary requirements (**required**) to: recruitetn@aol.com

Or mail to: LISEGA Inc
Attent: Human Resources- Recruiting
370 E. Dumplin Valley Road
Kodak, TN 37764

LISEGA is an Equal Employment Opportunity employer/F/M/D/V

LISEGA Inc. does not discriminate on the basis of race, sex, color, religion, national origin, age, disability or veteran status in any employment opportunities, terms, conditions or privileges of employment. LISEGA does not discriminate on the basis of race, sex or disability in any of its activities pursuant to the requirements of Title VII of the Civil Rights Act of 1964, Section 504 of the Rehabilitation Act of 1973, and the Americans with Disabilities Act (ADA) of 1990. Requests for accommodation of a disability should be directed to the Human Resources office.