

## **JOB POSTING – MIDWEST SERVICE CENTER – SENIOR PLANT ENGINEER**

We currently have an immediate opening for a Senior Plant (Mechanical) Engineer at our facility in Hobart, IN. The candidate will oversee in-shop repair services of components used in power generating industry, including steam turbines, valves, pumps, motors, and large power generating equipment.

### **JOB DESCRIPTION / DUTIES:**

- Oversee manufacturing, disassembly, inspection, installations, operation, maintenance, and repair of equipment.
- Oversee projects, including planning, executing, monitoring, controlling the project duration and cost by using scheduling and cost control software.
- Review data provided by customers, and investigate root causes of mechanical problems, troubleshoot reported issues, determine possible solutions, create reports with recommendations to customers for repairs, and implement and track corrective actions with engineers and maintenance crew.
- Use drafting tools or computer assisted design (CAD)/drafting equipment and software to prepare compliance reports for customers.
- Design repair processes or product repairs applying knowledge of engineering principles.
- Specify requirements for special processes such as acceptable material, sand blasting requirements, weld procedures, blading, heat treating, Non-Destructive Examinations (NDE/NDT), modification in design (structural design analysis, revision on part design, or new part CAD drawing), welding, inspection, and testing when appropriate.
- Repair tooling definition and fabrication.
- Develop models to test feasibility of new repair methods and designs using SolidWorks and ANSYS.
- Perform tensile and bending tests on welded materials to assure that components meet specifications.

### **REQUIREMENTS:**

- Bachelor's degree in Mechanical Engineering.
- Proven working experience in mechanical engineering.
- Proven steam and gas turbine systems and components experience.
- Ability to simultaneously manage multiple job assignments.
- Hands-on experience with computer-aided engineering (CAM) and computer-aided manufacturing (CAE)
- Proficient in 2D/3D engineering design and manufacturing tools (e.g., AutoCAD, SolidWorks or other). SolidWorks is preferred and a plus.
- Familiar with planning and scheduling software: Microsoft Project, Primavera and Epicor
- Mathematical computing and analysis tools knowledge (e.g., MatLab, Excel, LabView, etc.)

- Solid understanding of core concepts including mechanics, kinematics, thermodynamics, materials science etc.
- Creativity and analytical skills - Ability to communicate technical knowledge in a clear and understandable manner.
- Technical writing skills.

**DESIRED QUALIFICATIONS:**

- Work experience with OEMs such as GE, Siemens, Mitsubishi, and/or similar producers of large and small Industrial Gas Turbines.
- Experience developing and applying steam and gas turbine component repair processes or extensive experiences with repair processes on products with comparable alloys, coating systems, and thermal/mechanical fatigue issues.
- Proficient in the use of various MS Office programs, including Word, Excel, PowerPoint, and Outlook.
- While performing the duties of this position, the employee is frequently required to sit, stand, walk, communicate, reach, and manipulate objects.