

## **JOB POSTING – MIDWEST SERVICE CENTER – MECHANICAL ENGINEER**

We currently have an immediate opening for a **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 for 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.
- 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.
- 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.
- Experience in planning the projects and scheduling outages using following software: Epicor, Microsoft Project.

### **REQUIREMENTS**

- Bachelor's degree in Mechanical Engineering.
- Proven working experience in mechanical engineering.
- 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 plus.
- Familiar with planning & scheduling software: Microsoft Project, Primavera & Epicor
- Mathematical computing and analysis tools knowledge (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.