



Sany America Inc.

Job Title: Welding Engineer - Cranes

The Welding Engineer - Cranes (WE) will operate out of the Sany America Headquarters in Peachtree City, Georgia and will report to the Crane Management Team. The WE will be responsible for assisting with the primary design and development process of the welded structures for the Sany America Cranes. The WE will also assist manufacturing in developing weld fixtures, weld processes and weld testing procedures. The WE will provide welding technical assistance for design, redesign, modeling, trouble shooting, testing, calculations, supplier selection, and feasibility studies for the all crane product lines. The WE must have solid skills in design, calculations, FEA and governing codes and standards. The WE will assist in seeing the product from conception to construction and provide technical support to the manufacturing department, sales team, and the customer. The WE must be versed in managing multiple engineer related project assignments that support the essential elements of the crane product line completion and launch. The WE will work as an integral part of all Crane Teams and the R&D Engineering Department. The WE will be responsible for meeting project deadlines and the timely reporting project status. The WE will work closely with all Crane Teams to accomplish key goals for all stages of product development including R&D, project strategies and priorities, manual implementation, communications, sales, and service. The WE will also assist in developing team plans which will lead to brand and product excellence.

SPECIFIC RESPONSIBILITIES:

- Work closely with the Crane Teams to accomplish key tasks.
- Work closely with structural and testing teams to develop crane specific analytical software and prediction programs
- Responsible for supporting new crane product development programs and sustaining engineering efforts related to the crane product lines.
- Responsible for developing & executing specific project plans based on Sany America product goals.
- Provide technical expertise to support Sany America with product development.
- Travel to China when required to provide support for product reviews, design reviews, technical guidance, testing, audits and training.
- Work with various departments of Sany America such as Operations, HR, Manufacturing, Sales, Service, and Purchasing to effectively and efficiently achieve the specified targets assigned by Sany America's Management Team.
- Provide technical support to Service and Sales when required to ensure maximum customer satisfaction.
- Responsible for submitting weekly reports and monthly Key Performance Indices (KPIs) forms to the Crane Manager.
- Communicate at least weekly with the assigned Manager.





EDUCATION:

- Ideal candidate would have a minimum Bachelor of Science in Welding Engineering with 6 to 8 years of relevant engineering experience.
- Professional Engineer license is a plus.
- Extensive experience with automated engineering design tools such as AutoCAD, PDM, Windchill, etc.
- Training and experience using FEA structural tools such as ANSYS.
- Computer programming training such as C++ which can be used to develop analytical and predictive crane performance software

QUALIFICATIONS:

- Ability to mathematically model structural systems.
- Strong knowledge of metallurgy and structural steels used in heavy equipment.
- Demonstrated ability and experience with welding materials and systems.
- Strong trouble shooting or problem resolution skills.
- Ability to work independently and meet goals and deadlines.
- Must be able to respond to Sany America's Engineering needs on a timely basis.
- Analytical skills along with adaptability to change, a high level of commitment to the company and product excellence along with a desire to take advice from supervisors to accomplish superior corporate results is necessary. The ideal candidate will be open minded and a very responsible employee.
- Excellent communication skills to work at all levels are imperative in this position. The candidate will be required to communicate verbally and in written form to a variety of groups. This will require good public speaking and presentation skills as well.
- Ability to work well in a cross functional environment.
- Knowledge of the Chinese culture is desired but not a requirement.
- Ability to travel for extended periods internationally, primarily to China.

