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## Sany America Inc.

### **Job Title: Boom Engineer Crawler Cranes (CC)**

The Lattice Boom Engineer (LBE) for Crawler Cranes (CC) will operate out of the Sany America Headquarters in Peachtree City, Georgia and will report to the CC Management Team. The LBE will be responsible for overseeing the development of lattice booms for the Sany America Crawler Crane Product Team. The LBE will assist in the New Product Development Process (NPD) and provide technical assistance related to booms for design, redesign, modeling, trouble shooting, maintenance, bill of materials, testing, calculations, supplier selection, and feasibility studies for the CC product line. The LBE will develop boom designs from conception to construction and provide technical support to the manufacturing department, sales team, and the customer. The LBE must be versed in managing multiple engineer related project assignments that support the essential elements of the CC product line completion and launch. The LBE will work as an integral part of the CC Team and the R&D Engineering Department. The LBE will be responsible for meeting project deadlines and the timely reporting project status. The LBE will work closely with the CC Team to accomplish key goals for all stages of CC product development including R&D, project strategies and priorities, manual implementation, communications, sales, and service. The LBE will also assist in developing team plans which will lead to brand and product excellence. The LBE should possess a solid understanding of the New Product and Process Development (NPPD) methodology and deliverables process.

### **SPECIFIC RESPONSIBILITIES:**

- Work closely with the CC Team to accomplish key tasks related to lattice boom design.
- Responsible for supporting new CC product development programs and sustaining engineering efforts related to the CC product lines.
- Responsible for developing & executing specific project plans based on Sany America product goals.
- Provide technical expertise related to lattice booms to support Sany America and Sany China 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 CC Manager.
- Communicate at least weekly with the assigned Manager.





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## **EDUCATION:**

- Ideal candidate would have a minimum Bachelor of Science in Engineering with 6 to 8 years of engineering experience and 3+ years of direct boom design experience with Lattice Cranes.
- Extensive experience with automated electrical design tools such as AutoCAD, PDM, Windchill, etc.
- Training and experience using FEA structural tools such as ANSYS.

## **QUALIFICATIONS:**

- Ability to mathematically model structural 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.
- Solid understanding of the Phase Gate New Product Development Process (NPPD) and deliverables is a strong plus.

