



Sany America Inc.

Job Title: Boom Engineer Rough Terrain Crane (RT)

The Telescopic Boom Engineer (TBE) for Rough Terrain Crane (RT) will operate out of the Sany America Headquarters in Peachtree City, Georgia and will report to the RT Management Team. The TBE will be responsible for overseeing the development of telescopic booms for the Sany America Rough Terrain Crane Product Team. The TBE 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 RT product line. The TBE will develop boom designs from conception to construction, coordinate activities between hydraulic, electrical and structures team members and provide technical support to the manufacturing department, sales team, and the customer. The TBE must be versed in managing multiple engineer related project assignments that support the essential elements of the RT product line completion and launch. The TBE will work as an integral part of the RT Team and the R&D Engineering Department. The TBE will be responsible for meeting project deadlines and the timely reporting project status. The TBE will work closely with the RT Team to accomplish key goals for all stages of RT product development including R&D, project strategies and priorities, manual implementation, communications, sales, and service. The TBE will also assist in developing team plans which will lead to brand and product excellence. The TBE should possess a solid understanding of the New Product and Process Development (NPPD) methodology and deliverables process.

SPECIFIC RESPONSIBILITIES:

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





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 Rough Terrain 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.
- Ability to design and layout electrical and hydraulic systems including schematics.
- 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.

