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## Sany America Inc.

### **Job Title: Structures Engineer Motor Grader (MG)**

The Structures Engineer (SE) for Motor Grader (MG) will operate out of the Sany America Headquarters in Peachtree City, Georgia and will report to the Motor Grader Management Team. The SE will be responsible for assisting with the primary design and development process of the structural systems for the Sany America Motor Grader. The SE will also assist in the New Product Development Process (NPD). The SE will provide structural technical assistance for design, redesign, modeling, trouble shooting, maintenance, bill of materials, testing, calculations, supplier selection, and feasibility studies for the Motor Grader product line. The SE must have solid skills in schematics, design, drafting, and calculations using governing codes and standards. The SE will assist in seeing the product from conception to construction and provide technical support to the manufacturing department, sales team, and the customer. The SE must be versed in managing multiple engineer related project assignments that support the essential elements of the MG product line completion and launch. The SE will work as an integral part of the Motor Grader Team and the R&D Engineering Department. The SE will be responsible for meeting project deadlines and the timely reporting project status. The SE will work closely with the Motor Grader Team to accomplish key goals for all stages of MG product development including R&D, project strategies and priorities, manual implementation, communications, sales, and service. The SE will also assist in developing team plans which will lead to brand and product excellence. The SE should possess a solid understanding of the New Product and Process Development (NPPD) methodology and deliverables process.

### **SPECIFIC RESPONSIBILITIES:**

- Work closely with the Motor Grader Team to accomplish key tasks.
- Responsible for supporting new MG product development programs and sustaining engineering efforts related to the MG 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 MG 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 structural engineering experience with Motor Graders.
- Extensive experience with automated engineering design tools such as AutoCAD, PDM, Windchill, etc.

**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.

