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## Sany America Inc.

### **Job Title: Corrosion Engineer Expert (Heavy Construction Equipment)**

The Corrosion Engineer Expert (CEE) will operate out of the Sany America Headquarters in Peachtree City, Georgia and will report to the Chief Technology Officer (CTO). The CEE will be responsible for assisting the Research and Development (R&D) Division with their corrosion prevention program. The CEE will provide technical assistance and oversight with corrosion identification, assessment and testing, failure analysis, predictive computer modeling, prevention recommendations, and analysis reporting. The CEE must be an expert in the physical, chemical, and environmental stressors that cause corrosion or degradation. The CEE will serve as a liaison between the customer and the different layers of the Sany R&D Divisions in the U.S. and in China. The CEE should possess a solid understanding of the New Product and Process Development (NPPD) methodology and deliverables process. The CEE will assist in corrosion prevention for heavy construction equipment New Product Development (NPD) prior to and following production launch. The CEE must be versed in engineer project management. The CEE will work as an integral part of the R&D Team and will be responsible for meeting project deadlines and the timely reporting project status. The CEE will work closely with the Motor Grader, Concrete Pump Truck, Hydraulic Excavator, Drilling Rig, and Crane Teams to accomplish corrosion related projects. The CEE will also assist in developing team plans which will lead to brand and product excellence.

### **SPECIFIC RESPONSIBILITIES:**

- Work closely with the all Product Teams to accomplish key tasks.
- Responsible for supporting NPD programs and sustaining engineering efforts related to the different 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 and refinement.
- 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 CTO.
- Communicate at least weekly with the assigned Manager.





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**EDUCATION:**

- Ideal candidate would possess a Bachelors or Masters Degree in Metallurgy, Materials Science, Corrosion Science, or other related field.
- Must possess 10 or more combined years of experience with corrosion testing, petroleum metallography, corrosion prevention, materials selection, metallurgical processing, project management, and technical staffing.
- Extensive experience with automated engineer design tools.

**QUALIFICATIONS:**

- Ability to mathematically model various equipment 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.

