**External Job Description for Associate Electrical Engineer**

**Job Purpose:**

To direct and participate in the design and development of new product concepts and complex engineering projects for release to production in a manner to ensure products provide superior performance, durability, quality, and serviceability.

**Job Duties:**

Primary responsibilities of this position may include product design, product and process design, development of products, components or systems.  In addition, the incumbent may be accountable for other significant activities such as Product Reliability or Product Support. The incumbent needs to be a good communicator and; needs to be technically credible, keeping abreast of technology changes.

**Job Duties/Responsibilities may include, but are not limited to:**

* Conceives and provides practical product design applications using complex technical principles.
* Creates concepts and direct the design and development of complex engineering projects.
* Prepares concept, design, and development and feasibility studies of complex engineering projects.
* Prepares development plans and is responsible for meeting scheduled dates.
* Acts as the development team leader by interacting with production plant.
* Conducts technical evaluations of major systems on competitive products.
* Coordinates product test with proven design and prototype build up and test areas.
* Provides guidance to other engineers responsible for portions of the product project to ensure development schedules are met.
* Evaluates, defines, and resolves design and manufacturing problems.
* Travels to foreign and/ or domestic plants, dealerships and customer job sites to solve design problems or to field-test locations to evaluate a product improvement.
* Uses technical expertise and product knowledge to play the leadership role in the problem resolution process when interfacing with Test and Evaluation, Service, Plant personnel, suppliers and consultants.
* Works with manufacturability teams resolving problems with manufacturing and statistical process controls.

**Required Qualifications:**

* Accredited Electrical Engineering degree with 3-5 years in progressive engineering assignments to gain a mastery of complex engineering and manufacturability concepts.
* Must have a good technical aptitude with ability to develop product concepts.
* Must have working knowledge of medium and high voltage AC generators/ generator set packages.
* Should be proficient in designing electrical circuits using Autocad.
* Requires strong leadership ability and good communications skills.

**Desired Qualifications:**

* Proficiency in Pro-E / Pro-Harness
* Working knowledge of SAP.
* AC generator/ generator set sizing