

## **Staff Electrical Engineer**

---

**Department: R&D Engineering – Fort Myers, Florida headquarters**

### **JOB PURPOSE**

To lead engineering development of electric traction drives and accessories

### **JOB RESPONSIBILITY SUMMARY**

- Develop appropriate control algorithms for electric propulsion systems
- Develop performance specifications and performance calculations for Propulsion Systems
- Assist in the development of the electrical design and performance testing of new Propulsion Systems
- Coordinate resolution of field problems associated with reliability and performance of Propulsion Systems
- Define and document Scope of Work for projects
- Define and document system bills of materials
- Help coordinate/initiate project kick-off meetings
- Monitor project throughout design, manufacture, commissioning, and operation

### **REQUIRED KNOWLEDGE, SKILLS, & ABILITIES**

**Education/  
Licensure/  
Credentials**

- Bachelor's degree in EE, ME, or foreign equivalent based on academic credentials evaluation, training and/or experience

**Experience**

- Experience with software development for power electronics
- Experience in Power Conversion Products

**Special  
Knowledge/  
Skills**

- Must be comfortable working with High Power Designs (up to 3300V, 1200A IGBT's)
- Proven ability to read/understand module specifications and schematics and use for software debug and test
- Experience with modular software design, development, and testing techniques and procedures

### **PLUS**

- Having excellent debugging and problem solving skills
- Being motivated and able to work with minimal direct supervision.
- Being able to work with a multi-disciplined design team
- Willing and able to travel within the United States and Internationally as required
- Willing to work in industrial environments
- Ability to interface directly with customer

### **HOW TO APPLY**

Please Contact: ATS Human Resources  
Email Address: [hr@americantraction.com](mailto:hr@americantraction.com)  
Phone Number: (239) 768-0757

This job description supersedes all previous job descriptions. The job description is intended to be a tool to describe the primary purpose of the job and the KEY duties and responsibilities. The job description is not to be construed as an exhaustive list of all duties and responsibilities required. Management has the right to add to or change the job responsibilities at any time. All personnel may be required to perform duties outside their normal responsibilities from time to time, as needed.