

Hardware Design Engineer - Power Conversion

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

JOB PURPOSE

To provide application and research engineering for power conversion products for locomotives, vessels, and hybrid vehicles.

JOB RESPONSIBILITY SUMMARY

- Develop performance specifications for power conversion devices
- Lead the development of the electrical design and performance testing of new power conversion Products
- Coordinate resolution of field problems associated with reliability and performance of power conversion products
- 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 Electrical Engineering technology or foreign equivalent based on academic credentials evaluation, training and/or experience

Experience

- Some experience Power Conversion Products or related

**Special
Knowledge/
Skills**

- Working knowledge of analog and digital electronics and electronic circuits
- Ability to read printed circuit board schematics and identify function of circuit design
- Familiarity with modern test equipment
- Must be able to successfully pass ATS's Basic Electronic Exam
- Experience using common electronic test equipment
- Practical knowledge of 3-phase power systems
- Experience with Microsoft Windows Operating Systems and associated applications

PLUS

- Must be comfortable working with high power designs (up to 3300V, 1200A IGBT's)
- Ability to develop and present technical papers to small and medium size groups
- Excellent communication skills (written, and verbal)
- Strong attention to details and highly organized
- Ability to work well in a fast-paced professional office environment
- Some travel will be required

HOW TO APPLY

Please Contact: ATS Human Resources
Email Address: 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.