10076 Bavaria Rd
Fort Myers, FL 33913
Phone: 239-561-1561
www.samincosolutions.com
www.americantractionsolutions.com

Senior 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
- Lead 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

To perform this challenging job successfully, the requirements listed below are representative of the knowledge, skills, and ability required. We are looking for someone who will be able to quickly adapt to our requirements, who is looking for an extraordinary career opportunity and who wants to become a specialist in electric propulsion technology. .We have ambitious goals and we are looking for people who share our passion for innovations in electrical propulsion. We look for an enthusiastic problem solver with proven talent in electric drives

Education/ Licensure/ Credentials	• Bachelor's degree in EE, ME, or foreign equivalent based on academic credentials evaluation, training and/or experience. Graduate degrees preferred.
Experience	• Thorough understanding of AC/DC motor control theory • Thorough understanding of Power Electronics topologies and architectures • 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
- Foreign language skills, especially Spanish, French or German

HOW TO APPLY

Please Contact: ATS Human Resources
Email Address: hrdept@samincotechnologies.com
Phone Number: (239) 561-1561

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.