



10030 Amberwood Road  
Fort Myers, FL 33913  
Phone: 239-561-1561  
Fax: 239-561-1502  
www.samincoinc.com  
sales@samincoinc.com

## **Electrical Engineer**

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

### **JOB PURPOSE**

To assist engineering development of electric traction drives and accessories.

### **JOB RESPONSIBILITY SUMMARY**

- Assist senior engineers with the design of electric designs.
- Simulate circuit to analyze performance using p-psice, psim, matlab or similar software.
- Lead in the development of sections of electrical design and performance testing of new Propulsion Systems
- Collaborate with a team of engineers to design a product.
- Draft and review electrical schematics for printed circuit boards PCBs.
- Draft and review electrical drawings for a product.
- Verify and validate design in the laboratory.
- Coordinate resolution of field problems associated with reliability and performance of products.
- Participate in commissioning of new products at customers' sites.
- Participate in definition of Scope of Work for projects
- Define and document system bills of materials.

### **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 Electrical Engineering or foreign equivalent based on academic credentials evaluation, training and/or experience. Graduate degrees preferred.



10030 Amberwood Road  
Fort Myers, FL 33913  
Phone: 239-561-1561  
Fax: 239-561-1502  
www.samincoinc.com  
sales@samincoinc.com

## **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 procedure

## **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: Saminco Human Resources

Email Address: hrdept@samincoinc.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