



## POSITION DETAIL

**Position:** Power Electronics Design Engineer

**Department:** Engineering

**Employment Type:** Full Time

**Education:** Bachelors Degree required. BSEE Degree from an ABET Accredited Institution

**Years Experience Required:** 5+ Years

### **Position Summary:**

Develop and design electrical equipment design and manufacturing of 400Hz solid state power and 270VDC power supplies converters and electronic circuits and components for aircraft ground support equipment

### **Knowledge and Skills:**

- AC/DC Power Supply and power circuit design and analysis
- PLC Design and programming
- Fundamental Circuit Design and trouble shooting
- SPICE Circuit Analysis
- Develop system level hardware and software requirements, specifications and documentation
- Design and MTBF analysis
- Working with third party vendors
- Self-starter who is a team player that enjoys new and challenging projects
- Related Experience as a Digital designer and hardware developer
- Familiarity with Automated Programming Tools; IDE's, Debuggers, Device Programmers
- Experience in Power Conversion, Power Supplies, Hardware Interfaces, Drive Controls.

### **Responsibilities and Duties:**

- Service internal and external customers
- Drawing and BOM creation and maintenance
- Product line quality and design improvements
- Technical troubleshooting and firmware debugging
- Submit and complete scope of work, schedule and budget for projects
- Return Material Analysis evaluation and analysis
- Operations and Maintenance manual input
- Manufacturing work instruction input
- Develop Test Fixtures for Debugging new Hardware and Automated Test Equipment
- Design per National and International Regulatory Requirements; UL, IEC, NEC.

### **Additional Information:**

- Excellent benefits visit [www.tronair.com](http://www.tronair.com)
- Competitive Salary
- Email resume to [hr@tronair.com](mailto:hr@tronair.com)

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