Department: **Engineering**

Reports To: **Sustaining Engineering Manager**

Job Title: **Junior Electrical Engineer**

The Junior Electrical Engineer position is a multifaceted role for an Engineer looking to gain excellent hands-on experience in power electronics for the Aerospace industry. The position reports directly to the Sustaining Engineering Manager and works under the guidance of a Sr. Electrical Engineer mentor. The successful candidate will be required to help to develop and test new and existing products and work with the team to generate all related Engineering documents.

**Key Responsibilities:**

In this role the responsibilities will include, but not be limited to:

1. Generate test plans for improving manufacturing yield on power electronic systems
2. Create test set ups and perform actual testing
3. Debugging and troubleshooting circuits including soldering and replacing electronic components
4. Support Senior Engineers in drilling down on Root Cause Corrective Action of power supplies and power electronic systems
5. Document and analyze the data generated during testing/simulations in the form of reports, charts, and graphs.

**Requirements:**

The successful candidate will have a background which includes the following demonstrable experience, skills, and education:

1. Bachelor’s degree in Electrical/Computer Engineering
2. Read and understand schematics, wiring diagram and test procedures
3. Hands on experience debugging power supplies
4. Excellent written/verbal communication and documentation skills
5. Familiarity with electronic debugging tools such as scopes, meters, and bench power supplies
6. Ability to travel in or out of state of New Jersey for testing purposes

**Authorities:**

Ensure compliance with applicable processes and procedures during the course of daily job function

**Physical Demands:**

While performing the duties of this job, the employee is occasionally required to stand, walk, sit, use hands to finger, reach with arms and hands, climb stairs, stoop, kneel, crouch, talk or hear. The employee must occasionally lift and/or move up to 30 lbs.

**Work Environment:**

While performing the duties of this job, the employee is exposed to weather conditions prevalent at the time and an air-conditioned and heated office. The noise level is occasionally high.

**Disclaimer:**

The above information on this description has been designed to indicate the general nature and level of work performance by employees within this classification. It is not designed to contain or be interpreted as a comprehensive inventory of all duties, responsibilities and qualifications required of employees assigned to this job.

Avionic Instruments is an Equal Opportunity Employer and encourages the application of female, minority, disabled and veteran candidates. Due to the potential for exposure to ITAR controlled data, the incumbent in this role must be a US Person (US Citizen or US Permanent Resident). Interested candidates should submit their resume and salary requirements.