



**Position:** Electrical Technician  
**Department:** Manufacturing, Turbine Production  
**Reports to:** Production Manager  
**Classification:** Full time, Non-exempt

**Work Schedule:** Follows production schedule  
**Direct Reports:** None  
**Location(s):** Dover, NH  
**Travel:** None

**Summary of Position:** The incumbent will assemble electrical systems for turbine generators. Must be able to assemble and install electrical components at floor stations using bills of material, drawings, engineering specifications, and quality control documents. Completes sub-assemblies, wiring harnesses, and component assemblies to procedures. Identifies non-conforming or out of tolerance components, using measurement tools. May be responsible for repairs to non-conforming components. Performs a variety of complicated tasks.

**Duties and Responsibilities:**

In depth knowledge in the following specialty areas:

- Product function fundamentals at both component and system levels.
- Safety policies and practices regarding operation of high pressure and high voltage equipment including hot surfaces and moving parts.
- Specialized electronic devices such as transducers, sensors, actuators, and PLC's
- Inspection of prototype electric components, assemblies, instrumentation and test equipment.
- AC and DC control circuit fundamentals.
- Excellent working knowledge of the following specialty areas:
- Standard electrical and electronic components in analog and digital circuits.
- Electrical motor applications and controls.
- Methods for trouble-shooting electrical circuits.
- Electrical, electronic, and mechanical engineering drawings.

Demonstrated mastery skills in the following specialty areas:

- Fabrication of production and prototype electrical parts, connectors, wiring, harnesses and modules using specialized hand tools.
- Assembly and installation of production and prototype electrical control modules and systems.
- Perform a variety of electrical component and module performance and endurance tests.
- Advanced troubleshooting of electrical / electronic/ pneumatic control circuits.
- Demonstrated interpersonal skills to effectively communicate within the company.
- Demonstrated ability to plan, organize and manage time to complete simultaneous assignments in a matrix, team environment.
- Demonstrated ability to make timely decisions, applying good technical judgment.

**Specific Responsibilities:**

- Comply with OSHA, EPA, other regulations and FlexEnergy housekeeping and safety rules applicable to job activities.
- Assemble electric sub-assemblies and modules from drawings, sketches, parts lists, or verbal instructions.
- Take initiative to notify Engineers of any production and prototype fit-up problems or suggestions to improve the design for ease of manufacturing and assembly, submit ECR's (engineering change requests) as needed.
- Perform component, subassembly and electrical component testing.
- Ensure safety of all personnel and equipment.
- Assist in resolving warranty and field problems and internal quality problems.
- Maintain lab test equipment and lab calibration equipment to be productive and to present a positive image to customers and suppliers.
- Assist Engineers and managers to achieve departmental and divisional goals.

- Perform other duties as assigned.

#### **Minimum Qualifications:**

- **Formal Education Requirement:**
  - HS Diploma or equivalency, Associates/technical degree preferred
- **Minimum Years of Experience Necessary:**
  - Four years progressive experience as an Electrical Technician or in an area of relevant technology

#### **Competencies:**

Demonstrated mastery skills proficiency in the following specialty areas:

- AC and DC control circuit fundamentals.
- Advanced troubleshooting of electrical / electronic/ pneumatic control circuits.
- Able to work in a team setting to meet production schedules
- Able to work in a demanding production environment
- Use critical thinking skills to identify and resolve production issues
- Working around live voltages
- Computer skillsets in MS Office - Excel & Word
- Flexibility in job duties

#### **Working Conditions:**

This job operates in a professional office environment. This role routinely uses standard office equipment such as computers, phones, photocopiers, filing cabinets and fax machines.

#### **Physical Requirements:**

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job.

While performing the duties of this job, the employee is regularly required to talk or hear. The employee frequently is required to stand; walk; use hands to finger, handle or feel; and reach with hands and arms.

The employee is occasionally required to sit; climb or balance; and stoop, kneel, crouch or crawl. The employee must frequently lift and/or move up to 10 pounds and occasionally lift and/or move up to 25 pounds. Specific vision abilities required by this job include close vision, distance vision, color vision, peripheral vision, depth perception and ability to adjust focus.

*Job description statements are intended to describe the general nature and level of work being performed by employees assigned to this job title. They are not intended to be construed as an exhaustive list of all responsibilities, duties and skills required.*

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To inquire about or apply for a position, please submit a cover letter and resume/CV to: [hr@flexenergy.com](mailto:hr@flexenergy.com)