Electrical Manufacturing Technician

Company: **Energy Storage Systems**

Location: **Wilsonville, OR**

Company Profile

Energy Storage Systems (ESS) is a fast-growing, clean technology company, located in Wilsonville, OR. ESS has developed an advanced flow battery technology for commercial, industrial, and utility applications. With a team that boasts decades of experience in distributed power generation and energy storage technologies, ESS has developed an extremely cost-effective energy management system that combines a safe, abundant and non-toxic iron electrolyte with our patented flow cell design. This combination of high performance with low cost means that ESS's technology is ideally suited for applications that range in size from retail energy management to utility-scale renewables integration.

Position Profile

ESS is looking for a motivated, hard-working Electrical Manufacturing Technician to join our team. This person wires and assembles electrical components /modules within the iron redox flow battery system. Ability to work in a team environment is a must. Applicant must be comfortable working in a fast paced, deadline driven, dynamic work environment. A strong commitment to quality and continuous improvement is required.

The ideal candidate will have a passion for sustainability and the environment, will thrive in a fast-paced entrepreneurial setting, be self-motivated and have an interest in disruptive, cutting edge technology. The ideal candidate is someone who understands the culture, the rigor and the challenges of a start-up environment.

Responsibilities

- Responsible for the safe, efficient completion of the assembly process in a high quality and repeatable manner
- Work with mechanical and electrical engineers to assemble battery systems with all Iron redox flow batteries.
- Set up and operate test equipment to evaluate performance of developmental parts, assemblies, or systems under simulated operating conditions and record results

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- Assemble electrical and electronic systems and prototypes according to engineering data and knowledge of electrical principles, using hand tools and measuring instruments
- Provide technical assistance and resolution when electrical or engineering problems are encountered before, during, and after construction.
- Build, calibrate, maintain, troubleshoot, or repair electrical instruments or testing equipment.
- Collaborate with electrical engineers or other personnel to identify, define, or solve developmental problems.
- Draw or modify diagrams and write engineering specifications to clarify design details and functional criteria of experimental electronics units.
- Construct and perform reliability tests on various key system components.
- Perform in-process inspections steps to ensure the quality of the work performed and the functionality of the component and/or module.
- Maintain production and test equipment.
- Support electromechanical troubleshooting of product and support equipment.
- Ability to follow written and verbal work instructions

Requirements

- Requires an AS Degree in Electrical Engineering Technology or 10+ years of experience in an electronics manufacturing environment (preferably capital equipment related).
- Proficiency troubleshooting electronics and electro-mechanical systems down to the component level.
- Experience with reading electrical schematics and mechanical P&IDs a must.
- Experience with Oscilloscopes, DMMs, Power Analyzers, Signal Generators etc.
- Familiarity with single and three phase power systems and power distribution systems.
- Familiarity with power conversion equipment.
- Familiarity with computer and micro-controller systems.
- Capability to work on and around industrial power systems.
- Experience with battery or fuel cell systems a plus.
- Work independently and proactively.
- Good interpersonal and communication skills to work effectively with a small, dynamic team.
- U.S. Citizenship or permanent residency.

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