

System Test Engineer

Energy Storage Systems (ESS Inc) is a fast-growing, venture-backed, multi patented, clean technology start-up, located in Wilsonville, OR. ESS has developed an extremely cost-effective energy management system that combines an environmentally safe, abundant and non-toxic iron electrolyte with our patented flow cell design. Our advanced flow battery technology combines high performance with low cost, renewable integration designed for commercial, industrial, and utility applications.

We are a multi-disciplinary team building a disruptive, cutting edge technology. boasts decades of experience in distributed power generation and energy storage technologies.

We are looking for motivated, hard-working, like-minded people to join our team of individuals who have a passion for sustainability, the environment, and who thrive in a fast-paced entrepreneurial setting. This position involves close interaction with numerous engineering disciplines. Applicant must be comfortable working in a team environment that is fast paced and dynamic. A strong commitment to quality and continuous improvement is required

ESS is looking for a motivated and hard-working **System Test Engineer** to join our team. The System Test Engineer will run our validation test program for completed product as well as ongoing reliability testing.

3.0 Primary Responsibilities

- Plan and conduct system performance tests such as system energy efficiencies, system durability, mechanical and electrical checkouts, flow validation, etc.
- Analyze, summarize and report system performance test results regularly.
- Work with operations and field service to schedule and carry out factory acceptance, site commissioning and basic diagnostic testing.
- Set up and run test programs to evaluate performance and reliability of developmental parts, assemblies, or systems under simulated operating conditions and report results.
- Maintaining a schedule for all ongoing testing and reporting to the engineering team.
- Communicate design issues/problems discovered during testing effectively to engineers.
- Collaborate with mechanical engineers or other personnel to identify, define, or solve developmental problems.
- Construct and perform reliability tests on various key system components.

4.0 Proficiencies, Skills & Experience

- Requires an BS Degree or higher in Mechanical, Electrical, Chemical, or Electro-chemistry.
- Proficient troubleshooting electro-mechanical systems and mechanisms down to the component level.
- Experience with battery/electro-chemical testing is a plus.
- Experience with basic electrical wiring and electrical schematics a plus.
- Is comfortable working with acids and bases.
- Experience with reading engineering drawings and mechanical P&IDs a must.
- Capability to work on and around industrial power systems.
- Work independently and proactively.
- Good interpersonal and communication skills to work effectively with a small, dynamic team.

5.0 Requirements & Qualifications

- Legally authorized, U.S. Citizenship or permanent residency. – **See Note:**

- Ability to lift 50 lbs. unassisted.
- Ability to follow job required Standards and Safety Protocols, per pre-defined processes.
- Must be able to wear Personal Protection Equipment according to OSHA rules and regulations.
- Experience in a manufacturing environment with dynamic daily priorities.
- Experience in new-product introduction and scale to manufacturing.
- Two-year technical degree or equivalent experience.
- Position: Full Time

Battery Test Engineer

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ESS is looking for a motivated and hard-working **StackTest Engineer** to join our team. This person is responsible for testing and validating performances of our battery stacks. Detailed job descriptions include:

- Plan and conduct stack testing, and monitor battery performance on a daily basis.
- Analyze, summarize and report battery testing data regularly.
- Perform basic troubleshooting and battery performance diagnostics.
- Clean and maintain test and laboratory equipment and instruments
- Engage in research and development on battery modules with R&D scientists and engineers.

Desired Skills & Experience

- BS or MS in Chemistry, Chemical Engineering, Material Science, or related disciplines, is required.
- Knowledge of wet chemistry, electrochemistry and batteries is required.
- Experience with battery or fuel cell testing is preferred.
- Worked in a wet-chemistry lab and is comfortable working with chemicals including acid and base
- Comfortable working with electronics such as battery testing instruments
- Strong attention to details and can work from standard operating procedures
- Good interpersonal and communication skills to work effectively with a small, dynamic team.
- U.S. Citizenship or permanent residency.