

## Lab Technician

### Titan Advanced Energy Solutions

Titan Advanced Energy Solutions develops and tests industry-leading, ultrasound-based battery diagnostics systems for applications in quality control during the battery manufacturing process and for battery state of charge applications in consumer electronics. With numerous awards and grants, and a recent B-Round of funding, Titan is ramping up our fantastic team for an exciting next phase of growth.

We are looking for a reliable team member who is a self-starter, exhibits initiative and strong problem-solving skills. This role will work closely with electrical, mechanical and firmware engineers to help develop these solutions and will report to the Lab Manager.

#### Duties and Responsibilities

- Assemble prototype devices and systems. Fabricate electronic and electromechanical test fixtures and build cable assemblies.
- Solder and desolder SMD devices on PCBs to prototype new circuit adaptations.
- Build, test, and troubleshoot electrical/electronic circuitry and other systems used with internal laboratory testing systems.
- Develop test and assembly work instructions for electro-mechanical assemblies, including PCBAs and cabling assemblies.
- Set up equipment to capture test data and produce documentation for test methods and test reports.
- Investigate, analyze, repair, and document equipment and system level failures.
- Use MS Office, especially Excel, to document BOMs, part inventories and make reports.
- Support lab management efforts and keep inventory records of parts and equipment for smooth operations in the lab.
- Knowledge of 6S or lean manufacturing principles.
- Purchase parts as needed.
- Other duties as needed.

#### Needed Skills

- Understanding of basic electronics
- Ability to use hand tools safely
- Ability to complete a task from verbal or written instructions
- Ability to solder SMT and thru-hole parts
- Troubleshooting problems that may come up during an assembly process
- Desire to learn and excel in a fast-paced environment
- Ability to work in a team environment as well as be a self-starter and take initiative
- Able to lift 40 lbs
- High attention to detail
- General knowledge of MS office
- Strong organizational and documentation skills

**Work Location: Salem, MA**

**Personal Values**

- Bias to action and entrepreneurial spirit
- Trustworthy and full of integrity
- Compassionate and highly empathetic
- Collaborative and capable of building consensus internally and externally
- Passion for clean energy and a desire to take an active part in shaping a new paradigm

**To Apply**

Please send your resume to Kristina Lukas, Head of People Operations at [kristina@titanaes.com](mailto:kristina@titanaes.com)

Titan welcomes applicants from every background – our diversity helps us thrive and serve our customers and each other. All employment decisions are based on qualifications, merit and business needs, without discrimination or bias. We are proud to be an equal opportunity employer. If you need assistance or an accommodation due to a disability, you may contact us at [careers@titanaes.com](mailto:careers@titanaes.com).