

Reports To: **Engineering Manager**

Job Title: **Battery Engineer**

Elevate Your Career as a Battery Engineer with Us!

If you're someone who loves to see their work in action and make an impact on **real-world aerospace technologies**, this is your stage!

Come join our growing team in support of the development of the next generation of battery electronics at Acme Aerospace, Inc. We are a leading manufacturer in the **design and manufacture of custom batteries and battery control electronic systems** for military and commercial aircraft applications.

The Battery Engineer is responsible for design, development, and testing of both new and existing battery systems.

What You'll Do:

- **Design for performance:** Contribute to the development of advanced cell and battery architectures that meet stringent aerospace requirements.
- **Model and analyze:** Perform **modeling and parameter analysis** to optimize cell and battery designs.
- **Collaborate with design teams:** Work closely with Mechanical Engineers to ensure proper cell packaging and integration.
- **Verify and validate:** Support **the design of test regimes** to characterize and validate performance at the cell and battery level.
- **Document results:** Prepare technical reports to communicate test results and performance characteristics to internal teams and external customers.
- **Drive improvements:** Assist in **sustaining engineering activities** to enhance the performance and reliability of existing battery products.
- **Investigate failures:** Analyze returned battery units (RMAs), identify root causes, and contribute to corrective action plans.
- **Support sales:** Provide technical data to Sales & Marketing to help position our products effectively in the market.

What You'll Bring:

- A **Bachelor's degree** in Chemistry, Chemical Engineering, or Materials Engineering.
- **5+ years** of experience in battery design, development, and testing (preferably in an OEM or aerospace setting).
- Working knowledge of **battery cell fundamentals**, including impedance, testing methods, and Li-ion failure modes.
- Familiarity with **battery test equipment** and data analysis practices.
- Strong problem-solving and decision-making skills.
- Effective **communicator** with the ability to document and explain technical work clearly.
- Working knowledge of **MATLAB** and **SolidWorks** (preferred).
- Understanding of FAA regulations and **aerospace qualification processes** (a plus).
- Detail-oriented with a **collaborative, hands-on approach** to engineering challenges.

Why You'll Love Working With Us:

- **Impactful Work:** Be at the forefront of developing technologies that shape the aerospace and defense industries.
- **Team Culture:** Join a collaborative team that values innovation, creativity, and a shared vision for excellence.
- **Professional Growth:** Take advantage of opportunities for career advancement and professional development.
- **Dynamic Environment:** Engage in a variety of projects that keep your work exciting and challenging.

Ready to Take the Next Step?

If you're eager to make a significant impact and advance your career in a thrilling and supportive environment, we'd love to hear from you!

International Trade Compliance Requirements

Due to the potential exposure to ITAR-controlled data and export control regulations, the applicant in this role must be a qualified U.S. person as designated under INA, 8 U.S.C. 1324b(a)(3) or be eligible for any required authorizations from the U.S. Government.

Physical Demands

With or without reasonable accommodation:

- Must be able to lift documents and work materials up to 40 pounds.
- Must be able to listen, understand, and communicate clearly with personnel at all organizational levels.

Work Environment

- Work is performed in both office and manufacturing environments.
- Exposure to standard temperature-controlled office conditions and variable shop floor conditions.
- Noise levels may be moderate to high at times.

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.

Acme Aerospace Inc. is an Equal Opportunity Employer and encourages the application of female, minority, disabled and veteran candidates. candidates must be able to perform essential responsibilities with or without reasonable accommodations. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identify, or national origin. 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.