



## **Career Opportunity: Specialist, Mechanical Engineer**

**In-office job role:** 100% on-site, in Chatsworth, CA – not remote. ***(This role will be permanently moving to Simi Valley, CA by EOY 2025).***

This is an opportunity to join a fast-paced, dynamic small company environment to work on programs that make a difference to the United States and our allies. Your experience in Battery Engineering and BMS will be a great value-add to our team as we continue to expand our largest product line at the company. Your impact on our success and growth will be daily and direct. You will be joining an experienced and collaborative team that can support your appetite for continuous improvement, regardless of where you are in your career journey.

### **Responsibilities:**

- Full-cycle development of battery and charger products from concept to production.
- Design, develop, analyze, and test new and existing battery and charger products, typically high-energy-dense battery solutions for rugged terrain.
- Support Electrical Engineers with Battery Management System (BMS) designs; provide feedback on proposals with basic battery concepts, working towards requirement analyses and compliance matrixes.
- Work shoulder-to-shoulder with customers to understand key requirements and derive critical features into your design approach; this may involve presenting your work products to customers in weekly status meetings or formal design reviews.
- Develop a testing approach in collaboration with the customer; create detailed test procedures and other supporting documentation; shepherd customers through the customer review process. You will be physically performing battery testing in a lab or outside test facility.
- Perform failure and root cause analyses.
- Support multiple programs simultaneously.

### **Education, Experience, and Qualifications:**

- Bachelor's degree in mechanical engineering, Electrical Engineering, or a similar discipline with 5 years of experience.
- SolidWorks 3D CAD with the strong ability to visualize and design in 3D. Drafting proficiency with knowledge of ASME Y14.5 (strongly preferred; other 3D CAD design software such as PTC Creo may be considered as an equivalent depending on other relevant experience).
- Experience in FEA simulation encompassing thermal, shock, and vibration.
- Proven ability to design, tests and experiments – support testing of the design.
- Strong technical writing skills.



- Experience in electronic circuit design (a plus).
- Proficient with MS Office Suite (Email, Word, Excel).
- **This role requires the ability to obtain a future Security Clearance is required for the role. U.S. citizenship is required, as only U.S. citizens are eligible for a security clearance.**

**Preferred Qualifications:**

- At least 3-5 years of hands-on experience in advanced battery pack design using cylindrical or pouch cells; this includes strong knowledge of battery cell attachment methods, power electronics packaging, and buss bar design and an understanding of battery BMS fundamentals. Similar experience in electronic enclosure packaging by understanding the wiring diagram and schematics will also be considered.
- An understanding of how to design for safety in mechanical battery packs.
- Performing requirements analysis/compliance matrix – capture and execute customer's requirements to completion.

**Job type:** Full-time, Exempt. Salaried. US Citizenship is required.

**Salary Range:** \$130,000 - \$170,000