



Alveo Energy

Alveo Energy  
3542 Bassett Street  
Santa Clara, CA 95054  
[www.alveoenergy.com](http://www.alveoenergy.com)

## Mechanical Design Engineer

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Alveo Energy is a battery technology start-up company based in Palo Alto, California. Alveo is developing a completely new battery that has longer cycle life, lower cost, and higher power and efficiency than existing batteries. Alveo's batteries offer extremely high performance for stationary applications requiring high cycle life. Alveo is backed by leading venture capital firms and ARPA-E.

Alveo seeks one or more Mechanical Design Engineers to design and build prototype battery cells and the equipment/fixtures/processes needed to build them. The occupant of this position will solve challenges in cell design and process development including design optimization for electrochemical, thermal, and mechanical performance. He or she will also execute process development projects including welding, electrolyte fill, vacuum sealing, and control of stack compression. The person for this position is capable of executing complex engineering projects involving design, sourcing, prototyping, validation, and technology hand-off. That person should hold a degree in mechanical engineering or a related field and have 2-5 years industrial experience designing and manufacturing (lab/pilot scale) batteries or other electrochemical hardware devices.

### Responsibilities:

- Lead and/or support projects for the design, fabrication, and assembly of battery cells as well as the fixtures and equipment needed to build them.
- Work with other engineering team members to design test fixtures for cell performance and lifetime testing.
- Use problem solving and process development skills to quickly scale up manufacturing.

### Experience and Skills:

- Bachelors or Masters degree in mechanical engineering or a related field.
- 2-5 years industrial engineering experience in lab and/or pilot scale manufacturing.
- Fluency in 3D modeling software (SolidWorks preferred), Excel-based modeling, and other engineering software.
- Experience using GD&T drafting standards and fabrication of metal and plastic components.
- Experience working closely with contract manufacturers and suppliers.
- Significant prior experience designing and prototyping custom assembly fixtures.
- Can evaluate, inspect, maintain, design, analyze and improve various types of equipment, including electronic and mechanical equipment.
- Analyze process failures and equipment malfunctions and make improvements to achieve robust, reliable processes.
- Ability to develop equipment specifications.

### Logistics:

- This is a full time, permanent position.
- Employees must work on site in Santa Clara.
- Compensation is competitive with other Bay Area staff mechanical engineer positions.

### Contact Information:

- [jobs@alveoenergy.com](mailto:jobs@alveoenergy.com)
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