MECHANICAL ENGINEER

Posting ID: EM17A13001
Company: K2 Energy Solutions

Position Type: Part-Time
College Major(s): Mechanical Engineering (ME)

Company Website: https://k2battery.com
Work Location: 7461 Eastgate Road, Henderson, NV
Salary: $15 - $20/hr
College Level(s): Undergraduate-Sophomore, Undergraduate-Junior, Undergraduate-Senior

OVERVIEW

K2 Energy Solutions is a lithium-ion cell and battery manufacturer located in Henderson, NV. We manufacture rechargeable batteries for a wide variety of industrial and commercial applications and are the sole battery supplier for the Navy’s electromagnetic railgun program. We also have a development program, funded by the Navy, to develop a large high-power cell for shipboard use. Under that program, there is a need for a part-time mechanical engineer to help with designing the cell case components and work with the team on the winding machine used to assemble the cells and modify it as necessary.

Roles and Responsibilities
1. Work with K2 R&D staff to design, specify, and procure/fabricate components for a large cylindrical cell, including case, terminals, seals, and internal structural components.
2. Work with K2 R&D staff to modify and optimize the large cell winding machine used for fabricating large cylindrical cells.
3. Fabricate wound cylindrical cell jellyrolls and support the subsequent assembly of these jellyrolls into operational cells.
4. Prepare necessary documentation and work instructions.

Education and Qualifications
Comfortable with the use of SolidWorks or equivalent CAD software.
Hands-on experience with electromechanical design, assembly, and maintenance.
Comfortable with MS Word, Excel, and Powerpoint

Preferred Skills
Machine shop experience

How to Apply
jim.hodge@k2battery.com