

Mechanical Designer

Zinc8 Energy Solutions is developing a range of energy storage products based on a novel zinc-air flow battery technology. An expanding market for these products exists in utility, commercial, industrial, microgrid and similar applications. With powerful backing and a committed engineering nucleus, Zinc8 is expanding its product development team to capitalize on this rare opportunity.

Job Description

We are looking for a Mechanical Designer to join the Product Development Team. Reporting to the Product Team Lead, the successful candidate will assist with the containerization of our energy storage system modules and support the engineering team with mechanical design and detailing projects.

Duties & Responsibilities:

- Work directly with designers and engineers to create drawings, create and/or change 3D parametric models and assemblies, and perform engineering changes
- Create layouts and designs of the Energy Storage System (ESS) containerized system including location of modules, electrical equipment, process piping, cabling, HVAC and safety equipment
- Provide design input on flow battery modules to improve integration into the containerized system
- Define site layout requirements based on the design of the containerized system
- Source parts and generate BOM's for the various ESS layouts

Minimum Qualifications:

- Diploma in Mechanical Engineering Technology or equivalent program
- 3-5 years experience designing mechanical parts, assemblies and 2D layouts
- Strong 2D and 3D CAD design skills (AutoCAD, SolidWorks and/or Inventor preferred)
- Ability to produce clear and concise detailed drawings according to ASME Y14.5M drafting standard
- Understanding of basic GD&T principles and applications
- Familiarity with PFD and P&ID drawings
- Capable of self-checking for completeness and accuracy of work produced
- Excellent oral and written communication and documentation skills are essential
- Mechanical aptitude and hands-on attitude

Desirable Qualifications:

- Experience designing mechanical piping systems
- Experience with product development & commercialization
- Experience with containerized systems
- Experience navigating industry codes and standards
- Understanding of basic manufacturing processes
- Knowledge of design for manufacturing, assembly, repair, sustainability, variation and end of life

Compensation:

We offer a competitive salary with generous benefits. We promote an open and inclusive environment in which our colleagues are encouraged to be creative and resourceful.

Location

Vancouver, B.C.

Great location – close to the Canada Line, Marine Drive, SkyTrain station!

Please send your resume and cover letter to: careers@zinc8energy.com