

<b>Job Title</b>	Cell Stack Mechanical R&D Engineer
<b>Location</b>	Vancouver, BC
<b>Reports to</b>	Senior Stack Engineer, R&D
<b>Date Posted</b>	Nov. 26, 2020

### **Job Summary**

Help the world transition to a renewable energy future. Invinity Energy creates flow batteries that enable a renewable and sustainable future using wind and solar energy. Combining deep, proven technology, vast market opportunity, and an engaged and driven culture, Invinity Energy has all the ingredients needed for success except one. You.

Do you have a desire to deliver innovative energy solutions? Develop great relationships with customers and suppliers? Work in a collaborative environment with an international, world-class team of experts? As a Cell Stack Mechanical R&D Engineer, you will be a vital part of Invinity's team, working from the company's Vancouver, BC facility.

The Cell Stack Mechanical R&D Engineer will work with other team members to develop, test and manufacture next generation flow battery cell stacks for Invinity.

### **Responsibilities**

- Design and development of test cells and prototype cell stacks
- Design and development of custom test apparatus and methods
- Cell stack component performance and reliability testing
- Mechanical properties testing, cell stack materials
- Forensic analysis of test cells and stacks
- Producing and managing engineering documentation, including component test plans, test reports, solid models and drawings

### **Requirements**

- A Mechanical Engineering degree or equivalent (Masters Degree preferred)
- > 5 years relevant experience in fuel cell or flow battery development
- > 3 years experience with Product Lifecycle Management tools
- > 3 years 3D solid model CAD experience
- Experience with tool use and safety in a lab / production environment



- Strong fundamentals with fluid dynamics and fluid sealing technologies
- Exceptional organizational, project leadership, and problem-solving skills
- Excellent interpersonal skills and ability to communicate complex technology issues in a clear, concise manner
- Understanding of design for manufacture principals
- Highly motivated with interest and ability to thrive in a technology start-up environment
- Experience in the fuel cell or electrochemical industry an asset
- Knowledge of plastic injection molded and machined part design / fabrication an asset