



<b>Job Title</b>	Test & Automation Software Developer
<b>Location</b>	Vancouver, BC
<b>Reports to</b>	Manager of Controls
<b>Date Posted</b>	May 2021

### Job Summary

As the world shifts to renewable energy, the intermittent nature of wind and solar must be addressed. The answer? Large-scale, long-duration, and robust energy storage. That's where Invinity comes in. We make flow batteries that store energy in a liquid electrolyte containing vanadium. Invinity's vanadium flow batteries are highly advanced versions of this proven technology.

Invinity, a public company trading on the London Stock Exchange, is deploying battery systems in large-scale projects around the world. Many of our primary operations are in Vancouver, with facilities in London, outside Edinburgh, Scotland, and San Francisco. The Test & Automation Software Developer role is part of the Controls team, working closely with team members to develop applications that serve and support the development of Invinity's energy storage products. In this role, you will be part of the team developing the system controls, requiring the customized development of software tools, test automation, and other verification tools and interfaces, helping to drive the efficient delivery of a robust product into global markets.

There is nothing in energy more exciting than storage, and Invinity is leading in flow batteries that address this growing need. If you like the idea of using software to help transform the energy industry, if you want to be part of a dynamic, growing team, if you are very good at what you do, Invinity may be the right place for you. Let's talk.

### Responsibilities

- Develop software applications to automate the testing of various elements of Invinity's products.
- Define and maintain existing user interface software tools using LabVIEW environment.
- Design and develop tools to support the commissioning and configuration of Invinity's products deployed to the field.
- Develop simulation tools to support software and HIL testing platforms.
- Create internal documentation for software tools.



- Maintain and optimizing code base in accordance with Invinity's configuration management policies and procedures.

### **Requirements**

- 2+ years of professional experience in software development process with at least one year of coding and debugging LabVIEW-based applications in a testing or commercial product environment.
- Knowledge of industrial communications such as Modbus TCP or RTU, CAN bus, Zigbee, Bluetooth.
- Experience with industrial control systems.
- Self-motivated individual with proven ability to thrive in a dynamic and collaborative environment.
- Technical diploma or engineering degree in applicable engineering field (Software, Automation, Computer Science, etc)

### **Desirable**

- Knowledge of energy systems, e.g. energy storage, renewables, power generation, a plus
- Familiar with communications OSI layers and design abstraction
- Proficient in coding in other languages, including C, C++, Python, or similar
- Familiar with software GUI design
- Understanding of software design principles and development processes