

Electrochemical Test Engineer

Largo Clean Energy, a subsidiary of Largo Resources, is headquartered in Wilmington, MA and is a world leader in long-duration energy storage. The company's VCHARGE± battery system uses patented battery technology and proprietary vanadium electrolyte processing to provide customers with safe, efficient, low-cost, and long-lasting, long-duration energy storage. The parent, Largo Resources, is an industry leader, vertically integrated vanadium supply company with operations in Brazil and corporate headquarters in Toronto, Canada. Largo Clean Energy is building its team to accelerate the commercialization of a grid scale energy storage system, utilizing a new Vanadium Redox Flow Battery (VRFB) technology. We are seeking highly motivated and talented team members to achieve these challenging goals.

The position of Electrochemical Test Engineer is a very important and highly responsible position within the company and, as such, demands a high degree of dedication, flexibility, sound judgment, and reliability.

A successful member on this team will be a self-starter with a proven track record of utilizing solid fundamental engineering practices to solve technical problems and implement practical solutions with Core Technology characterization, performance and durability testing in a lab environment.

Key Work Functions:

- Design and build control systems for sub scale electrochemical flow battery cells
- Manage storage of test data
- Review data versus expected results as defined in test plans and technical objectives
- Collect appropriate data to assist with root cause analysis
- Generate test reports and graph data as appropriate to explain test results.
- Create test setups, test procedures and the execution of tests
- Perform sensor selection, implementation, and connection within test systems
- Develop component requirements, technical specifications, and initiate selection process for test hardware
- Devise and perform tests to verify functional performance of electrochemical cells
- Write and review test plans
- Perform trouble shooting on test stands

Qualifications

- BS in Chemical, Mechanical, Electrical or related technology field required. Advanced degree a plus
- 2 to 5 years of experience in a product engineering, testing or laboratory role
- 1 year+ experience using and programming in LabView
- 1 year+ experience in analytical lab with batteries, fuel cells or electrochemistry a plus
- Solid understanding of the product development life cycle - requirement management and test case management
- Understanding of Data Acquisition and control systems
- Experience with failure modes and effects analysis (FMEA), a plus
- Understanding of materials, engineering theory and principles of design and manufacturing
- Ability to read P&IDs and electrical schematics
- Excellent communication skills
- Ability to work collaboratively in a project team environment
- Proficient in MS Office
- Matlab experience a plus

Position Requirements:

- U.S. Citizenship or Permanent Residency



- Fluent in English

Compensation: Competitive base salary & benefits Please submit resumes to btobin@largocleanenergy.com