

Test Technician / Technologist (R&D)

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

Zinc8 is looking for a lab technician, or technologist, to help support our testing objectives. Working with the R&D team, this hands-on position will require handling and maintenance of analytical test equipment, receiving and analyzing samples and data reporting.

Duties & Responsibilities:

- Receive, label, prepare and analyze samples on the ICP-OES for elemental composition
- Operate the electrochemical test stations to assess the performance of fuel cell cathodes
- Occasionally help with the production of Zinc8's flow-battery cathodes
- Follow the test procedures provided by the test engineers and document the results
- Maintain the analytical equipment and help with ordering supplies in the chemistry lab
- Organize and store the hazardous chemicals and compressed gases according to safety procedures
- Rigorously adhere to safety and environmental procedures for self and fellow employees and maintain a clean and orderly environment
- Support with interpreting findings and troubleshooting equipment when needed
- Help with other on-going tasks of the R&D group, as needed

Minimum Qualifications

- Chemical Technologist diploma, or Degree in Chemistry, or equivalent.
- 2 years of experience as Lab Technician in a lab environment or R&D environment
- Demonstrated diligence in note taking and following procedures.
- Good mechanical aptitude.
- Comfortable working with and around hazardous chemicals.
- Computer literacy in Excel and Word.
- A desire to see progress and a positive work attitude.
- Demonstrated meticulous attention to detail.
- Good organizational skills.
- Must be fluent in English with excellent communication skills.

Desirable Experience and skills:

- Experience with ICP-MS/ICP-OES/mass spectroscopy and sample preparation techniques is an asset
- Experience working in prototyping/R&D process development is an asset
- Experience working with hazardous materials and has shown the ability to follow safe work instructions is an asset.
- Experience with electrochemical systems would be an asset.