



Fuel Cell Test Technician

Department: Engineering

Summary

Responsibilities include construction of test stands and test strategies for PEM fuel cell components, stacks, and modules. Execution of performance and durability test protocols, and chemical analysis of process streams

This position will remain open until filled.

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PRIMARY RESPONSIBILITIES

- Construct and maintain test stands to test single cells, balance of plant components, and 250 W to 10 kW stacks. Test stands will include voltage, current, and temperature control for cells and stacks, humidity control for reactants, and an interface to a data acquisition system.
- Conduct tests of performance and durability of fuel cell stacks and power modules.
- Work with prototype hardware to test various components and configurations. Hands-on mechanical assembly and repair.
- Analyze water and gas samples using simple laboratory procedures.
- Analyze data using MS Excel
- Work closely within a team to understand requirements for fuel cell performance and durability and continuously improve measurement systems used in the evaluation of these components.
- Ensure successful transition of new product designs to manufacturing through documentation, 6-Sigma methodology, and hands-on involvement with the production team.
- Maintain a safe working environment.

KNOWLEDGE AND SKILL REQUIREMENTS

- Bachelor's degree in an engineering discipline, with at least 2 years engineering work experience.
- Experience in the use of standard laboratory equipment and instrumentation for measuring electrical outputs, gas flow rates and composition, temperature, and pressure.
- Strong mechanical aptitude (experience with CAD is a plus)
- Basic knowledge of electrical circuits
- Working knowledge of MS Word and Excel
- Strong problem solving and troubleshooting abilities
- Proven track record meeting milestones.



- Experience in successful development of high volume products would be an additional asset.
- Highly motivated and comfortable working in a fast-paced development environment.
- Upon hire, must meet requirement of a negative alcohol/drug screen.

WORKING CONDITIONS

Work is normally performed in a typical interior/office work environment and in a laboratory. Some limited physical effort required. Occasional travel is required.