

Job Summary

In this hands-on role, you will lead a team of engineers in the design, development and implementation of the next generation of reformer and fuel cell system controls software.

Responsibilities

- Analysis system architecture & control requirements
- Assess architecture and current hardware capability
- Model fuel processor and fuel cell control algorithms utilizing software tools
- Design, develop, implement, and test of major software engineering applications utilizing various software tools
- Integrate and test control software with fuel cell systems and subsystems
- Support product certification (CE, UL, CSA, and NEBS) by assisting in the development of supporting documentation and following certification agency guidelines to ensure proper conformance to the recognized national and international standards.
- Support ISO quality system by assisting in the development of quality system documentation (as required) and following internal process to ensure proper conformance to established policies and procedures.

Knowledge and Skill Requirements

- BSCS, BSCE, BSEE, or BSME with controls emphasis (MS preferred), with at least 5 years experience in successful firmware/software engineering
- Software Engineering skills such as systems analysis, systems, design, coding, integration, and testing
- Hands-on experience with LabView (2+ years)
- Knowledge/experience with C and C++ programming for embedded controllers (4+ years)
- Ability to provide technical guidance to other engineers and design support personnel
- A solid team-player, capable of communicating concepts clearly and concisely in written and verbal form
- Proven track record meeting milestones
- Fuel processor or fuel cell experience is a plus
- Electrical or Chemical engineering experience is a plus
- Hands-on hardware wiring and integration experience is a plus
- Upon hire, must meet requirement of a negative alcohol/drug screen

Work Conditions

- Work is normally performed in a typical/office work environment.