



## World Energy Labs

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[www.worldenergylabs.com](http://www.worldenergylabs.com)

**Position Title:** Senior Test Engineer

### **Position Brief:**

A high energy, driven, team-oriented Senior Test Engineer is needed to design, implement, and administer a next-level testing program to support manufacturing of Interrogator™ state-of-health monitoring units for energy-storage devices.

### **Accountabilities:**

The successful applicant's primary accountability is to build and then administer a next-level overall functional test program, covering both production and pre-production stages, for devices that are part of World Energy Lab's unique Interrogator™ platform. He/she will first work within our Technical Development organization to design our next-level testing program based upon both the internal and target application functionality of the units by leveraging input from our development and manufacturing teams. She/he will then implement the functional testing program by developing hardware platforms, software tools, and test protocols as well as analysis and acceptance criteria. Additionally, the successful candidate will maintain test hardware. After implemented, he/she will work within our Operations organization to administer this advanced functional testing program and disseminate data to engineers from Development and Manufacturing. For new product development, she/he will evolve and expand the functional test program accordingly by working with our Development team. Other accountabilities include:

- Maintaining close liaison with our team of engineers to plan the specifics of various test programs.
- Providing orientation and teaching for new employees.

In the course of carrying out their accountabilities, the successful applicant will develop a thorough knowledge of Cleantech technologies such as batteries and fuel cells.

### **Essential Knowledge and Skills:**

- MS Electrical Engineering plus a minimum of 2 years relevant industrial experience or a BS in Electrical Engineering plus a minimum of 4 years relevant industrial experience (Degrees from other disciplines but relevant industrial experience may be acceptable).
- A high level of self-organization, a strong work ethic and sense of responsibility in combination with a desire to build and grow a robust functional test program. Ability to work independently.
- A willingness to interact closely with a highly motivated group with diverse technical backgrounds plus ability to communicate clearly and concisely on both technical and non-technical subjects, oral and written. A creative, analytical, problem-solving nature plus a sense of curiosity.
- Ability to translate mid-level functional test plans into written action plans, then oversees and perform their implementation. Experience with document control.
- Computer literacy in standard Windows applications (Word, Excel, PowerPoint) as well as writing C/C++ test programs, scripts (using python, PERL, etc), and Excel macros.
- Proficiency with test equipment (oscilloscopes, logic analyzers, battery chargers).
- Hands-on experience with hardware and circuit board layout. Manual dexterity and hands-on proficiency in manual skills, including designing and building simple test fixtures and soldering.

### **Desirable Knowledge and Skills:**

- Ability to maintain and troubleshoot test equipment (environmental chambers and ovens, electronic loads, biphasic power supplies, battery chargers, and miscellaneous instruments).
- Simple application coding and familiarity with communications protocols (RS-232, USB, Bluetooth).
- Debugging using JTAG debuggers and emulators.



**Contact:**

Please respond by E-mail to: [jobs.CH@worldenergylabs.com](mailto:jobs.CH@worldenergylabs.com).

Or in writing to: World Energy Labs  
One Sutter Street, Suite 707  
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**Resumes without a cover letter will not be considered. Include position title in all correspondence.**

The company offers a full benefits package including health benefits and dental plan. For more information visit WEL on the web at [www.worldenergylabs.com](http://www.worldenergylabs.com).

World Energy Labs is an equal opportunity employer

**Making Energy Technology Better**