



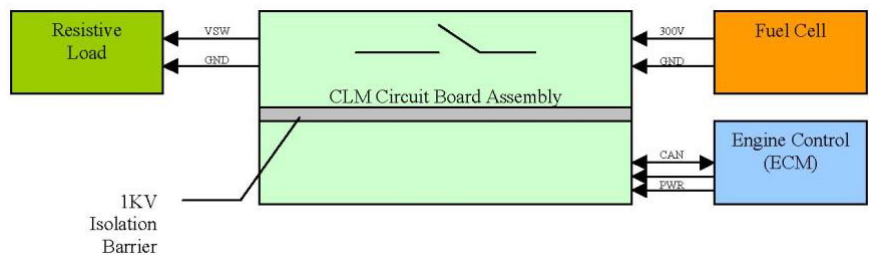
High power energy monitoring systems from OTEC make solar cell and fuel cell technology efficient.

High Power Energy Monitor System

The real time monitoring of solar cells and hydrogen fuel cells is essential for maintaining peak operating efficiency. The ability to perform differential current and voltage measurements in real time assists in fuel cell and photo-voltaic panel management. Power path control of kilovolt voltages and hundred amp currents make such measurements challenging. OTEC's noise-free current and voltage monitoring equipment makes real time monitoring possible.

Modern High Voltage MOSFET Power Devices

Modern high voltage MOSFET transistors make high current and high voltage switching possible while providing a high degree of control isolation. MOSFET gate drive must be carefully controlled. Back to back MOSFET devices make a compact, high switching speed power switching device possible.



CAN Bus Communications

Intended for use in networked engine control and power plant systems, CAN Bus Communications provides a robust, priority managed, multi-point communications system. Implemented on ST Micro's STM32F4 class processor, OTEC's proprietary, non-preemptive real time operating system provides robust proprietary software environment.

Orchid Technologies: Energy Monitoring

The development of custom electronic products for our OEM clients is OTEC's entire business. The design of high performance energy monitoring systems with rapid design cycles, demanding technical requirements, and unforgiving schedules sets us apart. Call Orchid Technologies today!

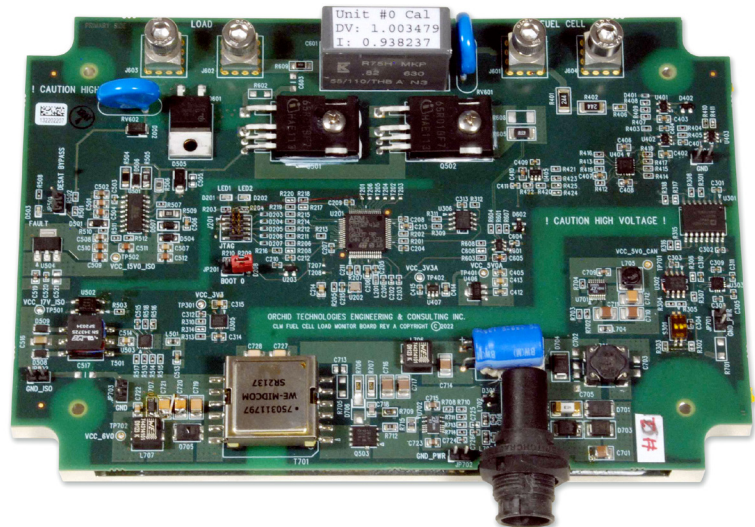


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"One of the most clever designs we've ever seen. OTEC's custom designed energy monitor was just what we needed."

–Solar Cell Power Maintenance

–Fuel Cell Division VP



ORCHID TECHNOLOGIES
ENGINEERING & CONSULTING, INC.

Custom Engineering From Concept to Production

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