

Fuel Cell Technology Available To Emergency Responders

Fire Rescue International in Dallas was a showcase for new technology and Jadoo Power, Folsom, Calif., added its products to that line-up as well.

Jadoo introduced its XRT 100-watt fuel cell system for emergency responders, delivering 2,200-watt hours (180 amp hours) to power emergency radios, laptops, battery rechargers, emergency lighting, portable satellite phones and modems when power from the grid has been knocked out.

Jadoo says its fuel cell system is crucial at a fire scene and particularly during and after hurricanes, tornados, blizzards and other emergencies.

Power On Demand

"We are thrilled to introduce the XRT to the emergency response markets," said Jack Peterson, sales and marketing vice president at Jadoo. "The tragic effects of lost grid power were highlighted by the events following Katrina and the ensuing floods. When emergency responders' batteries died, radios as well as other life-saving equipment were rendered useless. With Jadoo's XRT, first responders can have the power they demand where and when they need it."

Supporting Jadoo's N-Gen fuel cell power unit and N-Stor fuel storage canisters, the Jadoo XRT weighs only 50 pounds, but provides the energy of four 45 Amp-hour batteries weighing over 100 pounds, according to the maker. A mobile, rugged fuel cell power package, the XRT can be configured to deliver application runtimes well beyond standard deep-cycle, marine batteries.

A fully-configured XRT includes: six



Jadoo Power debuted its XRT 100-watt fuel cell system in Dallas at the Fire Rescue International show. It's designed to power radios, lights, laptops and other equipment during emergency situations where no grid power is available. (Jadoo Power Photo)

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N-Stor360 fuel canisters, providing up to 2,200 Watt-hours (180 Amp-hours) of runtime; one 100-Watt N-Gen fuel cell power unit; 110-volts AC and 12-volt DC outputs; hot-swap capabilities, allowing for continuous, uninterrupted operation; and an easy-to-use digital "state-of-fill" indicator to identify remaining runtime.

Jadoo (a Hindi word meaning "magic") was founded in 2001, by company President and CEO Larry Bawden and Vice President of Business Development Lee Arifkara.

After perfecting its proton exchanged

membrane-based fuel cell, Jadoo developed an integrated power system around this technology, and trademarked and patented the key components.

Initial efforts concentrated on delivering a product to the professional video camera market. Soon thereafter, Jadoo expanded its system architecture for use in various other markets, including emergency response, law enforcement, and the military.

In 2004, the U.S. Department of Transportation approved Jadoo's N-Stor fuel canister for transport via air cargo—the first approval of its kind.

Today, Jadoo is the world's largest portable fuel cell supplier, and the only company of its kind currently shipping commercial product.

Jadoo Power Systems, Inc. is a market-focused company that develops and sells next-generation, portable energy storage and power generation products. Jadoo is financed by Mohr Davidow Ventures, Venrock Associates and Sinclair Ventures, a wholly owned subsidiary of Sinclair Broadcast Group, Inc.

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