



Oorja Announces New Fuel Cell Solution for Telecommunications Market and Other Stationary Applications

New Oorja Model T-1 Provides Green Back-Up Solution for Cellular Towers

FREMONT, California - February 9, 2016—Oorja Protonics, Inc., a global leader in liquid fuel cell technology, announces a new product, the Oorja Model T-1 fuel cell system.

Overview

The Oorja Model T-1 is a methanol fuel cell system that provides back-up power, or the main source of power, for a variety of applications, mostly stationary, such as cellular towers, oil and gas pipeline-monitoring and valve control, and military communications. The Model T-1 works in conjunction with a set of batteries that it keeps at a high state of charge.



Replacing Diesel Generators in the Wireless Telecommunications Industry

Cellular service is now the main means of communications in many countries; therefore, maintaining continuity of service has become critical. Telecom service providers throughout the world are increasingly viewing diesel generators they have been using to provide back-up power to their cellular towers during grid power outages in a negative light; they are starting to replace them with greener and better solutions. Diesel generators are notoriously difficult and costly to maintain, they pollute the air, and they are noisy. Moreover, the generators and fuel are frequently the targets of theft.

Oorja's Model T-1 fuel cells represent a cost-effective and green alternative to diesel generators. They function as battery charge extenders that substantially prolong the time cellular towers can operate during power outages, from several hours to a few days, depending on configuration. They run on methanol, a low-emission, green fuel that is widely available, inexpensive, safe for transport and storage, and that does not require, unlike hydrogen, a substantial infrastructure investment.

The Oorja Model T-1 fuel cell provides 1.1 kW of net power at 24V or 48V. It operates with an external fuel tank that can vary in size depending on customer requirements.

"We have extensively tested the Oorja Model T-1 fuel cells in several partial grid and cellular tower sites," said Anthony Angeles, President of SMS Global Technologies, Inc., a leading IT and telecommunications systems integrator and solutions provider based the Philippines. "They are an excellent back-up solution to replace noisy, polluting, and costly-to-maintain diesel generators. We look forward to deploying them in large numbers throughout Southeast Asia."

Product Availability

The Oorja Model T-1 fuel cell system is available immediately for orders.

About Oorja Fuel Cells

Oorja is a world leader in liquid fuel cell technology for the telecommunications and materials-handling industries and other mobile and stationary applications. Oorja fuel cells use methanol, a common, abundant, and readily available liquid fuel. The company's patented technology provides a high-power solution for multiple applications, allowing customers to lower operating costs while reducing greenhouse gas emissions. The company is located in Fremont, California.

For more information, visit www.oorjafuelcells.com

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MEDIA CONTACT:

Gagan Singh

Director of Marketing for Oorja

gsingh@oorjafuelcells.com

Office: +1-510-659-1899

45473 Warm Springs Boulevard

Fremont, California 94539