



Microcell Corporation Delivers First 1 kW Automotive Fuel Cell Core

RALEIGH, N.C. (January 4, 2007) - Microcell Corporation announced today that they have delivered the first 1 kW fuel cell core for automotive applications based on its novel microfiber architecture. A fuel cell "core" is a cluster of smaller, easily removable, tube-like fuel cell units with integrated current collection and heat exchange systems.

"This first generation automotive fuel cell core packs an unprecedented cathode surface area of approximately 3300 cm² in a volume of one liter," said Ray Eshraghi, Microcell's President and Chief Executive Officer. "This translates into highly compact fuel cells for automotive applications." The design and construction of larger 50-100 kW units will be based on the modularity of these fuel cell cores.

"Microcell is honored to dedicate this first 1 kW core to the late Dr. Robert Beyerlein of the National Institute of Standards and Technology", said Eshraghi. "Dr. Beyerlein was the Advanced Technology Program manager who nurtured and supported Microcell in the early stages of its technology development."

At the center of the company's technology is the "microcell" design concept. Its extrusion-based scalable process for cost effective, large-scale production and the plug and play core technology distinguish it from other fuel cell technologies. It incorporates all the critical components of a planar Proton Exchange Membrane (PEM) fuel cell in a single fiber ('microcell'). The microcell is around 500 - 1000 micrometers in diameter and produced via an automated extrusion process.

About Microcell Corporation

Microcell is the world leader in low-cost, high performing PEM microfiber fuel cells that operate on a cylindrical platform. The company is in partnership with Pepco Holdings Inc., Progress Energy, Duke Energy, North Carolina Electric Membership Corporation and other corporations for distributed generation and automotive applications.

For more information, please visit Microcell's website at www.microcellcorp.com.