



## **PolyFuel Discloses Prototype Notebook Computer Fuel Cell Power Supply**

### **Consumer-Friendly OEM Demonstrator is Integrated With a Lenovo T40 ThinkPad**

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MOUNTAIN VIEW, Calif., Jul 16, 2008 (BUSINESS WIRE) – PolyFuel, Inc., a world leader in fuel cell technology, today announced that it has developed the first functional version of its prototype power supply for notebook-class computers that can provide continuous non-stop runtimes with the simple hot swap of small cartridges of methanol fuel. The consumer-friendly design has been fully integrated with a representative notebook – the Lenovo T40 ThinkPad®. PolyFuel developed the prototype as a technology demonstrator and proof of concept for OEM electronics manufacturers.

The prototype represents a key step towards the attainment of PolyFuel's goal to create a reference design with the size, appearance and performance consumers require for increasingly power-hungry notebook computers. PolyFuel will demonstrate this prototype to customers and potential development partners in the coming weeks. Earlier showings of a non-functional version of the prototype generated strong interest among the top tier electronics OEMs in the Pacific Rim, and they are now "eager to see a functional prototype in action."

In PolyFuel's prototype, the power supply features a detachable fuel cartridge – about the size of a deck of cards – that can be swapped out while the computer continues to run. Long-distance travelers, or others needing continuous, unconnected, easily portable power for their notebooks, would simply carry spare cartridges in their pocket or purse – a someday common practice that has already been approved for commercial aircraft by the various regulatory bodies around the world.

Jim Balcom, CEO of PolyFuel, commented: "Creating a functioning prototype is a critical step toward the development of a fuel cell reference design that can outperform lithium-ion batteries, and brings closer the achievement of our ultimate objective – the widespread commercialization of portable fuel cell technology."

PolyFuel's stated strategy is to share its MEA, stack and systems reference design technologies under simple licensing arrangements with its customers and partners, supported by the sales of its world-leading, novel fuel cell membrane materials.

### **About PolyFuel**

PolyFuel ([www.polyfuel.com](http://www.polyfuel.com)) is a world leader in fuel cell technology, particularly engineered membranes, that provides significantly improved performance in both direct methanol and hydrogen fuel cells, especially for portable electronic and automotive applications. The state of the art in fuel cells is closely tied to the membrane, and PolyFuel's best in class, hydrocarbon-based membranes enable a new generation of fuel cells that for the first time can deliver on the long-awaited promise of clean, long-running, and cost-effective portable power.

PolyFuel has an unmatched capability to rapidly translate the system-level requirements of fuel cell designers and manufacturers into engineered polymer nano-architectures. Such capability – based on PolyFuel's more than 150 combined years of fuel cell experience, world-class polymer nano-architects, and a fundamental patent position covering more than 25 different inventions – also makes PolyFuel an essential development partner and supplier to any company seeking to advance the state of the art in fuel cells. Fuel cells built with PolyFuel's hydrocarbon membranes, as the Company's own performance-leading reference designs have demonstrated, can be smaller, lighter, longer-running, more efficient, less expensive and more robust than those made with other membrane materials.

PolyFuel is working with many of the world's most advanced portable fuel cell system developers, the majority of whom are household brand name consumer electronics manufacturers. Leading Japanese and Korean consumer electronics companies rank PolyFuel's hydrocarbon membrane as the best portable fuel cell membrane available in the world today, and its DMFC stack and system technology, which it readily shares with its customers, is unsurpassed.

PolyFuel was spun out of SRI International (formerly the Stanford Research Institute) in 1999, after 14 years of applied membrane research. The company is based in Mountain View, California, and is publicly listed on the AIM market of the London Stock Exchange.

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Additional background information is available at [www.roeder-johnson.com](http://www.roeder-johnson.com).

This news release may contain forward-looking statements, including with respect to the development of the fuel cell market. Readers are cautioned that such forward-looking statements involve risks and uncertainties, including, without limitation, risks inherent in the development and commercialization of potential products. Actual results may differ materially from the results anticipated in these forward-looking statements.

PolyFuel securities have not been registered under the United States Securities Act of 1933, as amended (the "Securities Act"), and may not be offered or sold in the United States or to U.S. persons (within the meaning of Regulation S under the Securities Act) unless the securities are registered under the Securities Act or an exemption from the registration requirements of the Securities Act is available. Hedging transaction involving any such securities may not be conducted unless in compliance with the Securities Act.