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## **TreadStone Technologies Introduces LiteCell, Light Weight, High Performance, Fuel Cell Technology**

LiteCell Technology Reduces Manufacturing Costs for Automotive, Portable and Stationary Markets

**PRINCETON, New Jersey, March 25, 2008** – TreadStone Technologies, a leading innovator of pivotal technologies for the hydrogen economy, announced the availability of LiteCell Technology, an innovative design for lighter weight, high performance, low cost fuel cells. LiteCell, enables fuel cell manufacturers to use low cost metal fuel cell stacks that are 40-50% lighter than existing market available stacks, significantly improve performance while using corrosion-resistant commercially available metals.

"With the availability of lighter weight, higher performance, low cost fuel cell stacks, TreadStone has addressed one of the most important challenges facing fuel cell manufactures," said Gerry DeCuollo, President and CEO of TreadStone Technologies. "LiteCell Technology exceeds US Department of Energy targets for automotive markets. In addition, LiteCell technology is deployable in portable and stationary markets, substantially lowering manufacturing cost of the stack, increasing durability and energy density."

To further support commercialization of TreadStone's LiteCell technology, TreadStone was awarded \$500,000 award through the Edison Innovation R&D Fund and the New Jersey Commission on Science and Technology (NJCST).

### **About LiteCell Technology**

TreadStone's LiteCell Technology for fuel cell stacks is based on a patented, innovative and unique design for metal corrosion protection. This technique enables the use of low cost metals and inexpensive fabrication processes to make bipolar plates that meet the life, cost, performance and weight/volume DOE targets require to commercialize fuel cells for automobile power. Fuel cell stacks employing the TreadStone's LiteCell Technology are 40-50% lighter than the current heavy graphite fuel stacks used that suffer from poor thermal management.

Because of LiteCell's anti-corrosion protection, the fuel cell stack maintains its high level of performance and low-contact resistance. This innovative approach enables the fuel cell system integrator to use metal separator plates made from low cost, commercially available metal substrates and low cost processing techniques.

### **About TreadStone Technologies**

TreadStone Technologies, founded in 2006 is a leading innovator of pivotal technologies for the hydrogen economy. TreadStone's patented LiteCell and HydroOSP technologies optimized the development, performance and out-put of fuel cell systems and hydrogen processing. TreadStone solutions speed the market adoption and application of more efficient fuel cells power systems and the low-cost, fast, efficient processing of hydrogen. TreadStone Technologies is a spin-off from the world renowned Sarnoff Corporation, "the birthplace" of technologies that have changed the world. TreadStone is also a participating company in the Applied Communication and Information Networking (ACIN) Camden Center for Entrepreneurship and Technology. For more information, go to [www.treadstone-technologies.com](http://www.treadstone-technologies.com).