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TreadStone Technologies Awarded Edison Innovation Grant and Technology Fellowship

NJCST Awards Supports Commercialization of TreadStone's LiteCell Fuel Cell Technology and HydroOSP, One-Step Processing Innovation

PRINCETON, New Jersey, February 4, 2008 - TreadStone Technologies, a leading innovator of pivotal technologies for the hydrogen economy, was awarded \$500,000 grant through the Edison Innovation R&D Fund and the New Jersey Commission on Science and Technology (NJCST). The Edison Innovation award will support further development of TreadStone's LiteCell technology that delivers lighter, high performance, lower cost fuel cell stacks. In addition, NJCST awarded TreadStone a \$75,000 Technology Fellowship grant to support TreadStone's innovative LiteCell technology and the company's HydroOSP, a one-step hydrogen processing system.

The Edison Innovation R&D Fund supports the research and development activities of New Jersey technology companies needed to commercialize an identified technology. The New Jersey Technology Fellowship program helps move cutting-edge research from the lab to the marketplace by providing funding for up to two years to emerging high-tech companies that hire postdoctoral graduates from New Jersey research universities.

"We're pleased that TreadStone's technology leadership and innovation in fuel cell and hydrogen technologies has been acknowledged and supported by the New Jersey Commission on Science and Technology," said Gerald DeCuollo, President and CEO of TreadStone Technologies. The grant and technology fellowship awards will further speed our LiteCell and HydroOSP technologies to the manufacturing community in energy, automotive, portable and stationary markets.

LiteCell Technology is an innovative and patent design for lighter weight, high performance, and low cost metal separator plate used in fuel cell stacks. LiteCell, enables fuel cell manufacturers to deliver lower cost fuel cell stacks that are 40-50% lighter than existing market available stacks, significantly improve performance while using corrosion-resistant commercially available metals. LiteCell Technology exceeds US Department of Energy targets and is deployable in automotive, portable and stationary markets, substantially lowering manufacturing cost.

HydroOSP is a "one step" process for processing hydrogen. HydroOSP is based on a unique patented (applied for) electrochemical OSP that separates, purifies and compresses hydrogen gas from a mixed gas stream containing impurities... all in one step. HydroOSP, replaces the traditional more costly and complex multiple process that results in hydrogen typically contaminated with hydrocarbons from lubricating oils used during the process. HydroOSP's reactive separation process completely eliminates the conventional water-gas-shift reactor, and increases the hydrogen yield in production.

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's 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 a participating company in the Applied Communication and Information Networking (www.acincenter.org) Camden Center for Entrepreneurship and Technology. For more information: www.treadstone-technologies.com.