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Catacel Wins U.S. Patent for More Efficient Reactor Technology

GARRETTSVILLE, OH – May 27, 2009 – Catacel Corporation is pleased to announce the latest addition to its growing list of patented technologies: an upgraded Stackable Structural Reactor (SSR[®]) capable of transferring 30 to 50 percent more heat than existing reactors. This new innovation is an excellent fit for Catacel's portfolio of high-performing catalytic and heat-exchanging solutions. The higher degree of efficiency made possible by the next generation SSR lowers the total cost of operation in applications ranging from medium-sized (greater than 5 kilowatts) proton exchange membrane (PEM), or solid oxide fuel cells, to large-scale hydrogen production.

"The hydrogen and fuel cell industries are at a stage where they have the momentum and energy to accomplish some truly revolutionary things in terms of how they apply their technologies. At Catacel, we push the envelope as far as we can in providing industry innovators with the advanced heat exchange solutions they need to get to the next level of design and performance. The new and improved SSR is an integral part of that larger effort," said Bill Whittenberger, Catacel president.

Catacel holds 17 U.S. patents, including the new SSR, and has 12 open applications. The company offers custom-developed catalytic materials and stackable structural reactors for the hydrogen industry that promote new-plant construction savings, greater throughput in existing plants, lower energy costs, longer tube life and replacement intervals.

The following Catacel solutions are available for the fuel cell industry: catalytic and heat-exchanging devices, tightly integrated reformer and combustor/reformer packages, CPOx reforming, anode tail gas combustion, coated inserts for microchannel and other purpose-designed reactors. Catacel's unique value proposition is its ability to significantly reduce manufacturing costs for fuel cell developers through technology that is smaller, lighter, lower cost or more energy efficient than past solutions.

About Catacel Corporation

Catacel is a Northeast Ohio-based company providing solutions for challenging catalyst-based applications, including fuel cell design and hydrogen production. Using its diverse background in durable metal honeycombs, reaction design, catalytic chemistry, and large-scale production techniques, the company has engineered solutions for a diverse range of global clientele, including NASA Glenn, Acumentrics Corporation, ExxonMobil and BASF, among others. To learn more about Catacel, visit www.catacel.com.