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Hy9 Corporation's Hydrogen Purifier Products Allow For 10-Times Less Palladium When Compared to Conventional Tubular Purifiers

Development Enables Companies to Use Hydrogen Purifiers For New Applications in The Industrial, Specialty Gas and Energy Markets

FOR IMMEDIATE RELEASE

HOPKINTON, MA - September 6, 2006 - Hy9 Corporation, the leading manufacturer of metal membrane hydrogen purifiers for the industrial, specialty gas and energy markets, announced today that Hy9's purifiers allow for 10-times less palladium when compared to conventionally used palladium/silver tubular purifiers, making Hy9's purifiers far less expensive than conventional purifier products. As a result, Hy9's products can now be deployed in existing and new applications for the industrial gas, semiconductor, chemicals, metal processing and fuel cell markets.

"Hydrogen purifiers can now be used in applications that were not possible before, as cost-prohibitive palladium/silver tubular purifiers are neither scalable nor durable," said Jeffrey Altman, CEO, Hy9 Corporation. "As a result, Hy9 is expanding its line of hydrogen purifiers into the high purity, ultra-high purity (UHP) and fuel cell markets," Altman added. Hy9 has successfully manufactured and sold over 600 purifiers with millions of hours of global field use.

Palladium membranes are recognized as the only solution for high purity hydrogen purification, as palladium alloys allow hydrogen atoms to permeate through the membrane while blocking all other contaminants. Palladium is a precious metal that is a member of the platinum group. Hy9 has addressed the cost problem with the Company's patented membrane thinning process that provides the benefit of using thinner palladium foils which, until now, have not been available on the market. Hy9's thin membranes create higher hydrogen flux, enabling low-cost, highly-scalable purifiers.

Contaminants, such as sulfur and carbon monoxide, can degrade the platinum catalyst in PEM fuel cell systems and cut fuel cell stack performance. Hy9's patented diffusion bonded seals create a leak-proof module to ensure high purity hydrogen and no contamination. This is important, as fuel cells must use contaminant-free hydrogen for maximum material performance and durability.

Companies with hydrogen purifier product inquiries can contact Hy9 Corporation at mailto:products@hy9.com

About Hy9 Corporation

Hy9 Corporation is the leading manufacturer of metal membrane hydrogen purifiers and reformer products for the industrial, specialty gas and energy markets. Over the last five years, Hy9 has manufactured and sold over 600 high purity hydrogen purifiers with millions of cumulative hours of global field use. Hy9 manufactures globally-deployed, high-productivity, low-cost membranes and products with leak-tight seals that extract pure hydrogen from gas mixtures much like a filter. Hy9's patent-pending process intensification combines a membrane and catalyst in a cost-effective, one-step reforming process which provides high purity hydrogen. Hy9 was founded by Dr. Walter Juda, who previously founded Ionics, Inc., a former NYSE-listed company that was sold to GE in 2004 for $1.1 billion; Prototech Company, now a division of Süd Chemie AG and his technology contributions facilitated the spin-off by Prototech of E-TEK, Inc. All companies are global leaders in water purification and wastewater treatment, environmental catalysts, and other catalysts and components for PEM fuel cells, respectively.

For more information, contact Joe Romano, Partner, HighGround, Inc. at jromano@highgroundinc.com, 781-279-1320 x 208, or visit www.Hy9.com.

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