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Fuel Cell Conductivity Maximized With Prohm-tect Electrically Conductive Paste

Sioux Falls, SD – January 31, 2014 -- Prohm-tect USA announces the development of a unique new silver conductive paste that has enabled fuel cell conduits to maximize their electrical output in power plant installations. The conductive efficiency of the conduits increased to **94%** with the use of Prohm-tect's paste, while heat in the electrical interface decreased significantly.

"We are very pleased with the results of our product," says engineer and inventor of the product, John Ebbinghaus. "We've packaged a syringe of silver paste in a kit format, so technicians can apply it in the field during installations. Prohm-tect improves the reliability and conductivity of the fuel cells under harsh conditions, resulting in saving companies a lot of money on maintenance costs and potential downtime. When you compare the cost of the kit to the cost of failure of the fuel cell unit, well, it's mindboggling."

This is Prohm-tect's first product in use in the fuel cell industry. The company has manufactured a line of electrically conductive pastes since its first formula debuted, developed for the U.S. Navy in the 1970s. In 2012, the company moved its headquarters from Orange County,

CA to Sioux Falls, SD. John Ebbinghaus continues to work actively on developing new formulas for future applications, and consults with companies using the current formulas to assure the best results. With the Asian and European fuel cell markets heating up and other clean energy industries growing, Prohm-tect has plans to enlarge its production facility in 2014.

“We’re eager to expand our customer base in fuel cell manufacturing, now that we know the potential of this new paste,” states Lisa Rinaldo, owner and head of marketing and sales for the company. “Our research shows that our ingredients are different from, and perform better than those used in pastes manufactured outside the U.S.. Looking ahead, we’re confident the pastes will benefit other power generation industries as well.”

About Prohm-tect and electrically conductive paste

Based in Sioux Falls, SD, Prohm-tect manufactures and sells several varieties of electrically conductive paste, which improve the conductivity of bolted, clamped, crimped and other types of electrical connections, and protects those connections in corrosive environments. This saves equipment from costly repairs or down time and improves and maintains the electrical conductivity of electrical equipment. The pastes consist of minute conductive metal particles suspended in a **non-silicone** oil, providing multiple pathways for electrical current in a connection. Their primary application is currently in fuel cells and other power generation equipment, but they have the potential for use on a host of other electrical equipment, both consumer and industrial. This includes other forms of alternative energy equipment such as wind turbines and solar energy systems, electric utility transformers, building electrical apparatus, electronic equipment, and automotive and marine battery connections. For more information, visit www.prohmtect.com.

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