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## **MIT ENDICOTT HOUSE INITIATES ANOTHER MAJOR GREEN INITIATIVE REPLACING CLEANING AND SANITIZING CHEMICALS WITH ELECTROLYZED WATER**

### ***General Manager of Upscale Conference Center Has Virtually Eliminated Chemical Sanitizers and Detergents from Housekeeping and Food Service Operations***

Dedham Ma – September 6, 2011 – The hospitality industry is embracing green initiatives, and MIT Endicott House, the conference center owned and operated by The Massachusetts Institute of Technology, is leading the way by virtually eliminating toxic sanitizers and detergents from the property and replacing them with a revolutionary technology, the PathoSans Electrolyzed Water System from PanoSans LLC, a wholly owned subsidiary of Spraying Systems Co. of Wheaton, Illinois that electrochemically converts salt, and water into a safe, non-toxic sanitizer proven to be more powerful than bleach and a solution that cleans floors, carpeting and eventually laundry and dishes without soaps, detergents or any other any toxic chemicals.

#### **What Is Electrolyzed Water?**

The antimicrobial solution created by the process is known as hypochlorous acid, a strong disinfectant that is harmless to food and to humans, but in independent laboratory tests and in tests sponsored by the EPA, has been proven to be a more powerful sanitizer than chlorine bleach. The device also creates an alkaline stream of sodium hydroxide which is a basic element in many soaps and detergents. Both solutions are safe enough to be used in a variety of kitchen activities ranging from hand sanitizing to disinfecting food prep surfaces and equipment. The sodium hydroxide can be used to wash floors without detergent eliminating soap residue and saving money. Electrolyzed Water is approved as a sanitizer and for wound care by the FDA.

#### **How Electrolyzed Water Works**

The process is elegant in its simplicity. Tap water is pumped into compartments alternating a positive and negative electrical charge in every other compartment. These compartments comprise a patent pending electrolytic cell. This cell is submerged in a saturated saline solution. As chloride ions enter the positively charged compartments, the electrical charge electrochemically converts the ion from chloride (Cl) to hypochlorous acid (HOCl), a powerful sanitizer that has been proven in independent laboratory tests and in tests conducted on behalf of the EPA to be a more effective sanitizer than chlorine bleach in higher concentrations, but is completely non-toxic.

In the negatively charged compartments, the sodium ions (Na) are electrochemically converted to sodium hydroxide (NaOH), a basic component of many soaps and detergents, which acts as a grease cutter and cleaning solution that is equally non-toxic. Both solutions are harmless if they come into contact with the skin, eyes or mouth.

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At the conference center, the entire facility including guest rooms, conference rooms, common areas and the kitchen are all cleaned and sanitized with electrolyzed water making Endicott House the greenest facility of its kind.

According to General Manager, Michael Fitzgerald, "MIT is world headquarters for innovation. Here at Endicott House we have embraced an innovative and significant green initiative. We compost, recycle everything from cardboard boxes to wooden pallets, and plastic bottles, and now we have virtually eliminated toxic chemical cleaners and sanitizers. We are the first conference center in the U.S. to adopt this technology making this implementation a jewel in our environmental crown and a feather in MIT's cap of innovation."

### **The Environmental Domino Effect**

In addition to eliminating toxic chemicals, using this technology has a positive domino effect on the environment. MIT Endicott House is helping to save oil and gasoline as a result of fewer deliveries. There is a savings on plastic bottles made with oil, which are no longer needed to store chemicals and at some point, need to be discarded to a land fill or recycled. Waste water leaving the property is now virtually free of substances that contaminate sewer treatment system and the environment. Finally, using this ultra green technology greatly reduces the presence of chemicals from guests and employees.

### **About MIT Endicott House**

Surrounded by 25 acres of magnificent gardens and grounds, Endicott House is a 1934 mansion built in the style of a French manor. With a history enriched in old-world grandeur and enhanced by contemporary refinements, Endicott House offers a unique site for a meeting or executive education. It is a world apart, yet only minutes from Boston.