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Press Release

Sensors, Inc. and Froude Hofmann Announce Strategic Partnership

Saline, MI - October 12, 2010 -Sensors, Inc., the leading manufacturer of in-use emissions test equipment, and Froude Hofmann, an international company specializing in the design and manufacture of test cell equipment, announce that they have formed a strategic partnership. The partnership combines Sensors' Portable Emissions Measurement Systems (PEMS) with Froude Hofmann's dynamometer and control systems, enabling a low cost standalone or integrated emissions measurement solution for test cell applications.

The Aura1000

The Aura1000 brings the benefits of a PEMS system - particularly the low cost, simplicity, and versatility -into the laboratory, with Froude Hofmann's test cell instrumentation. The



system measures the gaseous emissions of CO, CO₂, NO, NO₂, O₂ and THC (total hydrocarbons) for both spark ignited and compression ignited engines. Measurement results have a strong correlation to those of traditional test cell emissions measurement systems, at a fraction of the complete life-cycle cost. The initial capital investment for the Aura1000 is significantly less than that of a traditional test cell solution. Additionally, the Aura1000's infrastructure requirements of a cart and some gas bottles are negligible when compared to a constant volume system (CVS), which requires a dilution tunnel and non-portable storage bags. Finally, the

Quick Links

[Sensors' Website](#)
[Froude Hofmann's Website](#)

Sensors, Inc.

Rob Wilson
 Vice President
 Sales and Marketing
 6812 State Road
 Saline, MI 48176
 PH: 734-429-2100
 FX: 734-429-4080
rwilson@sensors-inc.com

Froude Hofmann

Andrew Bashford
 Sales Manager
 45225 Polaris Court
 Plymouth, MI 48170
 PH: 734-416-8000
 FX: 734-416-9113
abashford@froudehofmann.com

maintenance involved over the life cycle of the Aura1000 is significantly less than that needed for a traditional solution, which requires a highly trained staff to run and maintain.

The Aura1000 system meets or exceeds the gaseous emissions measurement criteria of worldwide regulatory agencies, including the US Environmental Protection Agency, the Hong Kong Environmental Protection Department and the European Joint Research Commission. Froude Hofmann is the technical and commercial contact.

About Froude Hofmann

[Froude Hofmann](#) is an international high-technology company, designing and manufacturing specialized test equipment for over 130 years. The company is a global group with headquarters in Worcester, England. Primary manufacturing sites are in Worcester (UK), Elze (Germany), Detroit (USA) and Chennai (India). These facilities are augmented with sales and service centers in Australia, Brazil, China, Czech Republic, France, India and Russia.

Froude Hofmann makes a comprehensive range of test equipment and accessories for the following industries:

- Aerospace: The company provides low and high-speed water-brake dynamometers, test-stands and associated control systems for the testing of gas-turbines.
- Automotive: Froude Hofmann manufactures a range of hydraulic, eddy-current and AC dynamometers and vehicle chassis dynamometers with robot driver and real world driver simulation packages. Combined with the associated control systems, hi-technology software packages, and in-cell instrumentation, these complete systems are provided to R&D and production facilities. In addition, Froude Hofmann has a range of hybrid and alternative-fuel power-train test-systems.
- Marine: Froude Hofmann's marine products include large ship water-brake dynamometers and associated control systems.

About Sensors, Inc.

[Sensors Inc.](#) was founded in 1969, and has evolved to become the leader in developing innovative gas analysis

technology, primarily for use in the transportation industry. The company has decades of experience and expertise in the design and manufacture of measurement systems that are widely distributed throughout the U.S., Europe and Asia. Sensors, Inc. also provides in-field emissions and fuel-economy testing services covering a wide range of applications including, on- and off-road vehicles and equipment, and marine, mining, and power generation systems using internal combustion engines. In 1999, Sensors Inc. acquired Sensors Devices in Germany, ensuring a presence in Europe and expanding its product base to include analyzers for environmental applications. The company's emissions measurement solutions are used by government regulatory agencies and universities, as well as engine and vehicle manufacturers in the U.S., Europe, Japan, China and Hong Kong, for the measurement of CO, CO₂, NO, NO₂, THC, NMHC, CH₄, NH₃, O₂ and Particulate Mass.

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Sensors, Inc. | 6812 State Rd. | Saline | MI | 48176

