

Sensicast Announces SensiNet Energy Management Solution

Wireless Sensor Network system lowers energy costs, increases efficiency

Washington, DC and Needham, MA—September 14, 2006-- Today at the World Energy Engineering Congress (WEEC - www.energycongress.com , Booth 455), Sensicast Systems (www.sensicast.com), worldwide provider of wireless sensor networks for industrial automation and monitoring enhancement, unveiled and showcased its patented SensiNet® Energy Management solution: a comprehensive wireless package to report energy consumption and underlying plant system efficiency through monitoring of key system operating data.

The new solution is based on SensiNet Smart Sensors, which monitor electrical, hydraulic, mechanical and thermal energy expenditure; provide machinery wellness status for predictive maintenance; and help with safety, environmental and compliance issues.

“Easy to install, relocate and manage, the SensiNet Energy Management Solution continuously collects information on energy consumption and correlates it with simultaneous measurement of the health of the underlying electromechanical system,” said Gary Ambrosino, CEO of Sensicast. “The collected data

is passed over the Sensicast wireless mesh network and made available via the Internet for instant assessment and analysis. This gives plant operators a new way to head off problems that lead to the inefficiencies that can result in wasting electricity.”

The solution includes all components necessary for a SensiNet network for energy monitoring and management: SensiNet Smart Sensors to monitor power usage other systems operating parameters, Mesh Routers for redundant wireless infrastructure, and the SensiNet Services Gateway which includes basic data monitoring applications software and alerts. SensiNet’s building-block architecture allows the network to scale up to very large deployments.

“Sensicast’s energy monitoring systems will appeal to industrial users in manufacturing, oil and gas, and power plants who consume 34 percent of all energy,” according to industry analyst Mareca Hatler

of **ON World**. “Industrial companies have strong demand for wireless sensor network solutions that integrate seamlessly with existing systems. Companies such as Sensicast are addressing this need by developing products that bridge sensing and control applications with wireless mesh networking.”

Wireless energy management dramatically reduces energy usage in problem areas identified by the Department of Energy (DOE) : motors and motor systems, HVAC processes, and compressed air systems. According to the DOE, [US industry spends over \\$1.5 billion annually on electricity for compressed air](#) —an inefficient process with high operating costs.

Sensicast’s energy solution has recently been deployed to conserve electricity at a paper mill in Ayer, Massachusetts. Anticipating efficiency improvements of 20 to 50 percent, the mill operator (Hollingsworth & Vose) and its service provider (National Grid) expect rapid payback and an impactful Return on Investment (ROI). See a case study of this SensiNet compressed air deployment at: <http://www.sensicast.com/staging/uploadedFiles/sensicastcasestudyHV.pdf>

At WEEC, Sensicast will demonstrate its SensiNet Wireless Sensor network system and how its energy solutions enhance the accuracy of energy audits; serve as a building diagnostic tool leading to reduced operating costs, improved productivity and regulatory compliance.

About Sensicast

Sensicast provides comprehensive wireless mesh sensor networks that help operating managers dramatically reduce costs & improve efficiency. Sensicast’s robust and easy-to-deploy SensiNet® systems continuously report energy usage in applications, processes, & building operations (lighting, HVAC), to better manage and conserve energy. SensiNet is a patented, self-installing, self-healing “Zero-IT” solution that tracks critical process and systems data through internal and Web-based access. Beyond energy, Sensicast can also remotely monitor temperature, moisture, humidity, other data types; while facilitating predictive maintenance; government/environmental

compliance. www.sensicast.com