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Sensicast Ships Third-Gen Wireless Mesh Sensor Network Solution: SensiNet® 3.0

New SensiNet Services Gateway meshes WSN with legacy control, internal applications, M2M and Web 2.0

Needham, MA—September 21, 2006—Today, Sensicast Systems (www.sensicast.com), worldwide provider of wireless sensor networks for industrial automation and monitoring enhancement, announced it is shipping SensiNet 3.0®—the industry’s first, end-to-end, wireless mesh sensor network solution that can be tailored to specific applications using a self-configuring building block approach.

Sensicast’s third-generation mesh networking offering, SensiNet 3.0 is based on a building block deployment approach—for fast installation and scalability (from small networks to very large/multi-facility networks of hundreds of sensors). SensiNet’s patented wireless mesh network technology enables end-user customers such as plant and building managers to quickly install and operate comprehensive, yet tailor-made systems to wirelessly track conditions and processes in their facilities.

Modular building-block elements of SensiNet 3.0 include:

- SensiNet Smart Sensors™--Battery-operated, long-MTBF, ruggedized components that interface directly with thousands of industry-standard sensor probes to monitor a range of physical data types (e.g. temperature, current, pressure)
- SensiNet Mesh Routers that are used in large-scale networks to extend the range of Smart Sensors, as well as create a redundant network backbone infrastructure. Mesh Routers can be placed in convenient locations and are automatically self-configuring for optimum performance.
- The NEW SensiNet Services Gateway: a hardware appliance with embedded connectivity and data reporting functionality that manages the SensiNet network and integrates it with legacy systems (e.g. ICONICS, Intellution, Wonderware, RSView and others); basic built-in data visualization applications, and standard Web 2.0 interfaces (SOAP, OPC, ODBC, XML). The Gateway functions as the “hub” of the network through a browser-based control panel that lets network administrators configure and monitor network properties and topology, as well as Smart Sensor battery levels and data reporting intervals.

Downloadable product photos at http://www.sensicast.com/media_kit.php

For more on SensiNet 3.0 and the new SensiNet Services Gateway at <http://www.sensicast.com>

“Through the SensiNet 3.0 platform and the new SensiNet Services Gateway, operations managers now have unprecedented access to actionable information to improve their

production processes or better control their facilities,” said Gary Ambrosino, CEO of Sensicast Systems, Inc. “Now it is fast and easy to deploy wireless sensor networks and have them transparently connect to existing automation software”.

The new SensiNet Services Gateway is designed as a plug-and-play smart component delivering powerful interface services and integrated applications including:

- An ODBC interface for databases
- SOAP Connection for Web 2.0 applications
- OPC connectivity for popular automation software
- ModBus TCP/IP support for industrial control systems software
- Remote M2M interface for connection to Software-as-Services (SaaS) platforms

"Sensicast's comprehensive building-block approach to providing all the elements -- sensors, mesh routers, and now the new Gateway connectivity solution to legacy systems - facilitates rapid deployment of wireless sensor network solutions in industrial and commercial environments," said Neena Buck, VP, Emerging Frontiers, at Strategy Analytics (www.strategyanalytics.com), an international research and consulting firm focused on smart technologies and pervasive computing. "By providing connectivity between mesh networks and existing systems, the new SensiNet Services Gateway will now allow companies to integrate data from new mesh networking-based monitoring applications with systems that are already in use, leading to a much more comprehensive picture of system operations."

Sensicast's Wireless Sensor Network systems are currently deployed in hundreds of facilities worldwide yielding quick and significant benefits for operators, including:

- FDA-compliant temperature monitoring for pharmaceutical manufacturers, food and beverage distributors
- Reduced energy consumption, by measuring power consumption concurrently with systems performance –from factories to urban apartment buildings
- Wirelessly-enhanced field service operations through remote monitoring of humidity and moisture
- Enhanced process-control in metals and plastics manufacturing
- Web-based alarms and reporting—for rapid response and compliance documentation

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 real-time operations data from applications, processes, and facility conditions. SensiNet is a patented, self-installing, self-healing "Zero-IT" solution that captures critical data through Smart Sensors and makes the information available and actionable through internal and Web-based access. Sensicast's solutions address the needs of a wide range of industrial and commercial enterprises—including remote monitoring of temperature, energy use, moisture/humidity, and other data types; while also facilitating predictive maintenance and governmental/environmental compliance. www.sensicast.com

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