

Sensicast Ships Wireless Sensor Network System for Pharmaceutical Manufacturers and Life Sciences

New solution improves monitoring and efficiency, facilitates compliance, while lowering costs

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Today at INTERPHEX 2007, **Sensicast Systems**, the world's leading provider of turnkey wireless sensor network systems, unveiled and showcased a wireless system for pharmaceutical and life sciences facilities who need to accurately monitor temperature, humidity, and other key data in their facilities.

Pharmaceutical labs, drug manufacturers, & bio-test facilities are increasingly deploying Sensicast's SensiNet systems to report real-time operations data from applications, processes, and facility conditions; and to change how they meet FDA regulations.

At Booth 3123 in the INTERPHEX Pharma IT Pavilion, Sensicast will demonstrate how its new solution integrates into pharmaceutical manufacturing, and delivers improved productivity and regulatory compliance while reducing operating costs.

Based on Sensicast's patented SensiNet® architecture, the new system collects data from Smart Sensors installed at monitoring points in labs, manufacturing, storage and shipping environments and then seamlessly passes the data wirelessly into the company's network infrastructure. SensiNet Mesh Routers enable scalability to large scale deployments and provide for redundancy and reliability. The SensiNet Services Gateway aggregates data captured throughout the monitoring areas, provides basic displays and alerts, and makes the information available to internal automation, process and control systems inside the facility. Data from the monitoring points flow into the control and logging software fully validated and documented.

Pharmaceutical facility operators and production managers are required to conform to FDA regulations governing recordkeeping that is required in order to document safe manufacturing and storage of their products. SensiNet enables customers to easily collect the environmental data required by the FDA without making FDA 21 CFR Part 11 compliance more difficult. In fact, most existing 21 CFR Part 11 monitoring systems are plug-and-play compatible with SensiNet.

Sensicast now offers A2LA-accredited calibration certification services to users of its SensiNet systems. Through this service, operators of SensiNet networks can ensure that Smart Sensors running in their facilities are certified using dedicated equipment which is calibrated according to ISO/ICE 17025-1999.

"Known for their reliability and ease of deployment, Sensicast's wireless sensor networks are running production networks in a wide range of industries," said John Blanchard, Principal Pharmaceutical Industry Analyst with ARC Advisory Group. "The combination of Sensicast's FDA 21 CFR Part 11 compliant systems with its new A2LA-accredited calibration service will prove attractive to BioPharma manufacturers who require measurement accuracy and integrity," said Blanchard.

The value of SensiNet's wireless collection of data is compounded as the information is made available to automation and control systems currently in use in life sciences facilities, such as those from Citect, GE, ICONICS and Intellution. SensiNet integrates easily with software systems for OPC, Web-enabled HMI/SCADA and manufacturing intelligence to provide real-time visualization, alarm management, and plant historian functionality giving users real-time visibility into enterprise-wide operations and systems.

Benefits to Sensicast's life sciences customers are significant:

- Wireless system allow data sampling from previously difficult or inaccessible locations (e.g. large physical spaces, HVAC, mobile racks, and sealed chambers)
- Centralized data collection and easy integration with legacy software applications and network infrastructure.
- Calibrate measurements without manual labor
- FDA 21 CFR 11 compliance documentation
- Alarms and alerts deliver early detection of problem occurrence
- Accelerated manufacturing
- Improved process and quality control
- Reduced operational and energy costs
- Rapid Return-on-Investment

For more details, visit our website at www.sensicast.com to download Sensicast's White Paper on **SensiNet Wireless in FDA 21 CFR Part 11 Compliant Systems**.

About Sensicast

Sensicast provides end-to-end Wireless Sensor Network systems and services that help operating managers dramatically reduce costs & improve efficiency. Sensicast's 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 remote Web-based access. SensiNet meets 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 governmental/environmental compliance. Visit www.sensicast.com.

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