

## **Sensicast Announces Wireless Sensor Network Integration with National Instruments LabVIEW**

*Enables unprecedented capability for virtual instrumentation/graphical systems to leverage data through wireless sensors*

**AUSTIN, TX and BOSTON, MA (NI Week 2007—Booth 430) – August 7, 2007** – Today at NIWeek 2007, Sensicast® Systems, the world's leading provider of turnkey wireless sensor network systems, announced enhanced support and integration of its award-winning SensiNet product line for National Instruments LabVIEW. For more than 20 years, NI LabVIEW has been a powerful graphical development environment for data acquisition, instrument control and industrial automation.

SensiNet is an end-to-end turnkey wireless sensor network system that integrates hardware and software elements to seamlessly monitor environmental and process conditions, then wirelessly transmit the information through a wireless mesh to a SensiNet Gateway where data is available for in-house or web-based software applications and services.

NI LabVIEW increases productivity and lowers costs for test, control and design applications and now integrates into production networks built around a SensiNet wireless sensor infrastructure. Developers and end-users will find the combination of NI LabVIEW and Sensicast's wireless sensor network systems will enable them to easily create and operate remote system monitoring and control applications. Potential applications range from environmental condition monitoring, research, industrial monitoring and test applications for engineers and scientists.

"SensiNet and NI LabVIEW make a powerful combination for actionable information," said Gary Ambrosino, CEO of Sensicast. "Integrating our wireless sensor networks with the LabVIEW graphical development environment enables rapid deployment of custom applications to analyze and evaluate physical world data."

"The popularity of LabVIEW as a graphical design environment makes it well suited to connect existing wired systems with wireless sensor networks, allowing engineers to preserve their investment while adding new functionality," said David Potter, distributed I/O product strategy manager at National Instruments.

Sensicast is showcasing its wireless sensor networking solutions at the 13th annual National Instruments technology conference, NIWeek held August 6th-9th, 2007 in Austin, Texas.

### **SensiNet-LabVIEW Applications**

Data captured through a SensiNet network is connected through either OPC Data Access (DA) or ModBusTCP/IP protocols to NI LabVIEW. These industry standard protocols enable Sensicast customers (such as universities, engineering and life sciences laboratories, and commercial industrial facilities) to create calculations and rapidly customize graphical representations of captured data using LabVIEW. LabVIEW includes more than 600 graphical and text-based math and analysis functions that can be adapted to process data acquired from SensiNet wireless sensor networks.

### **New SensiNet Gateway 2.0**

NIWeek 2007 also marks the public debut of Sensicast's new SensiNet Gateway 2.0, which adds performance enhancements and streamlined network management functionality. A self-contained network management and access appliance, the SensiNet Gateway lets network managers securely access and analyze data collected by smart sensors using a convenient browser interface.

The SensiNet Gateway communicates sensor data directly to a wide range of industrial monitoring, control and automation software applications, including LabVIEW, Wonderware, RS View, OSI PI, ICONICS Genesis32, CitectSCADA, and other ModBus, ODBC, and OPC-compatible software such as Intellution iFix and Microsoft Excel.

### **About National Instruments**

National Instruments ([www.ni.com](http://www.ni.com)) is transforming the way engineers and scientists design, prototype and deploy systems for measurement, automation and embedded applications. NI empowers customers with off-the-shelf software such as NI LabVIEW and modular cost-effective hardware, and sells to a broad base of more than 25,000 different companies worldwide, with no one customer representing more than 3 percent of revenue and no one industry representing more than 10 percent of revenue. Headquartered in Austin, Texas, NI has more than 4,300 employees and direct operations in nearly 40 countries. For the past eight years, FORTUNE magazine has named NI one of the 100 best companies to work for in America.

### **About Sensicast**

Sensicast provides turnkey Wireless Sensor Network systems and services that help operating managers dramatically reduce costs & improve efficiency. Sensicast's easy-to-deploy SensiNet® systems report real-time data from applications, processes, and facility conditions. SensiNet is a patented, self-installing, self-healing 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 range of industrial and commercial enterprises—including remote monitoring of temperature, energy, moisture/humidity, and other data types; while also facilitating governmental/environmental compliance. For more information visit [www.sensicast.com](http://www.sensicast.com) or call (781) 453-2555.

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