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Spinwave Systems Introduces Wireless Energy Management System

Cost-effective, easy to deploy sensors and controls put energy management systems within reach of thousands of building owners

Westford, MA—[Spinwave Systems, Inc.](#), a leading producer of wireless mesh networks for energy efficiency and building automation systems, introduces a comprehensive wireless sensing and control solution for energy savings programs. The technology promises to transform energy management, making it more affordable and easier for businesses to implement.

Designed as a cost-effective, rapidly deployable energy management solution, Spinwave's wireless EMS allows building owners to cut energy costs and reduce carbon emissions in less time than with hard-wired technologies, and with far lower installation costs. Flexible configurations of wireless sensors and control devices can be installed quickly with minimal disruption to daily operations. Once in place, the systems monitor and automatically control energy consumption, resulting in significant energy savings from the day of installation. Systems can be configured for a variety of different buildings, and have been deployed in hotels, schools, commercial office buildings, and retail facilities, often producing energy savings of over 40%.

The new energy management line includes wireless thermostat controllers, sensors, input/output modules, and a Modbus radio module that allows existing Modbus RTU devices to be wirelessly enabled. The system is based on the IEEE 802.15.4 standard. A web-enabled gateway allows the systems to be configured, monitored, and maintained using only a web browser. The gateway can be easily accessed by automation systems through Modbus TCP or Modbus RTU.

"The use of wireless technology makes it feasible to install a comprehensive energy savings system in buildings where it otherwise wouldn't be cost-effective, or even possible, to install energy management technology," says Rainer Wischinski, Spinwave's Vice President of Marketing.

Wireless sensors and controls can be installed without labor-intensive processes such as drilling through walls and ceilings, making it possible to retrofit existing buildings much more efficiently than would be possible with a wired installation. Depending on the structure of the building, installing a wireless system costs as little as one-quarter of a wired installation. Wireless energy management also reduces the amount of time it takes to begin an energy savings program. Typically, it can take several weeks to retrofit a 5,000 sq. ft. office building with a wired energy management system, while a wireless system can be installed in 2-3 days.

With the introduction of a full line of wireless energy management products, the energy management market is set for a significant transformation. Industry analysts have long seen building controls and automation as the next phase of the wireless revolution. Spinwave Systems brings this transformation forward with a cost-effective, accessible, flexible solution that promises to reduce energy consumption in businesses across the board.

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About Wireless Sensor and Controls Developer Spinwave Systems

Spinwave™ Systems is a leading developer of wireless sensors and controls specifically designed for commercial building automation to enable highly energy-efficient building operations and productive and healthy environments. Spinwave's unique system design and rapid deployment toolset allows seamless integration of wireless sensors to existing building automation systems from all major manufacturers.

To learn more, please visit www.spinwavesystems.com

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