Wireless sensor bundle for radiation and temperature monitoring is demonstrated by RAE systems

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RAEWatch is a robust wireless sensor bundle that can be permanently installed for public venue monitoring and can also be used for cargo container security. With IEEE 802.15.4 compliant architecture, RAEWatch networks are immune to interference from radio sources such as wi-fi and cell phones, and have a one to two year lifespan when used in temporary, battery-powered deployments. RAEWatch modules can be spaced as much as 30 meters apart to build sensor networks that provide radiation and temperature monitoring. RAEWatch networks are expandable to include a variety of other sensors such as intrusion, shock and thermal motion.

RAE Systems Inc. (AMEX:RAE), a leading global developer and manufacturer of rapidly-deployable, multi-sensor chemical and radiation detection monitors and networks for homeland security and industrial applications, today announced that the company has demonstrated the wireless RAEWatch sensor bundle at the Venetian Hotel in Las Vegas, Nevada; the DARPA/MTO (Defense Advanced Research Projects Agency/Microsystems Technology Office) Workshop on Networked Microsystems in Arlington, Virginia; and the ZigBee Alliance open house in Seattle, Washington.

"We were impressed with the speed and ease of installation of the self-contained, wireless radiation sensor modules. The radio network went live within minutes of deployment. We have over 3,000 rooms, 120,000

square feet of casino area and 500,000 square feet of retail space, and ensuring a safe, secure environment for our guests is paramount," said David Shepherd, Executive Director of Security, The Venetian Resort, Hotel and Casino. "Non-intrusive, networked technology solutions like RAEWatch have the potential to give us the flexibility and power to monitor a large area while protecting millions of guests."

RAEWatch generated data streams are compatible with XML databases and can be sent to voice mail, pagers, e-mail, or PDAs. With alarm and alert capabilities that are compatible with legacy alarm systems, secure RAEWatch monitoring data streams enable improved venue and cargo security.

"The robust wireless capabilities demonstrated by RAEWatch point to the future of environmental sensing," said Venkat Bahl, vice chairman of the ZigBee Alliance and vice president of marketing at Ember Corporation. "As applications move from single monitors to wireless networks of monitors, it's critical to securely transmit increasingly complex data streams that interoperate with legacy systems."

For more information visit: www.raesystems.com/