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## **RAE Systems Introduces the First Wireless Indoor Air Quality Monitor to Detect VOCs**

**Monterey, California – July 1, 2002** – RAE Systems Inc. (OTC BB: RAEE.OB), a Gas Detection and Smart Sensing Network solution provider for environmental, safety and security monitoring has responded to the increased concerns for air quality, facility management, public safety and ventilation detection with its new wireless **AreaRAE IAQ** gas detection solution. The **AreaRAE IAQ** is the first wireless indoor air quality (IAQ) monitor that combines a Photo-Ionization Detector (PID) with traditional measures of IAQ: temperature, humidity, carbon dioxide (CO<sub>2</sub>) and a user-selected toxic gas sensor such as carbon monoxide (CO). The PID gives the **AreaRAE IAQ** the ability to measure 0-1,000 parts-per-million (ppm) of VOCs (Volatile Organic Compounds) with 0.01 ppm (10 parts-per-billion) resolution. Most VOCs are toxic, odorous and flammable. A built in spread spectrum RF (radio frequency) transceiver allows the unit to communicate information on a real-time basis on the 900 MHz ISM band. A remotely located ProRAE base controller can communicate with up to 16 AreaRAEs with up to a two mile range. RAE Systems is proud to introduce the **AreaRAE IAQ** at “Indoor Air 2002” in Monterey, CA from July 1-4, 2002.

RAE Systems’ advances in PID technology gives IAQ investigators, industrial hygienists, hazardous material and public safety teams an ultra-sensitive VOC detection tool which provides immediate insight and diagnosis. Traditional IAQ monitors that measure just temperature, humidity and CO<sub>2</sub> will miss this critical indoor contaminant. Toxic contaminants are routinely found in office buildings and public facilities. Increased interest in the vulnerability of our buildings to chemical, biological and radiological threats, new guidelines from the EPA, and increased public concern, have created a new market opportunity for the AreaRAE IAQ in indoor air quality, homeland security, EPA compliance, hazardous materials management, industrial hygiene, and public safety monitoring.

The AreaRAE IAQ is available now with a six week delivery. Prices range from USD\$4,500.00 to \$6,500.00, depending on the sensor configuration. The wireless capability requires the use of the ProRAE Remote package which includes the receiver and PC based software that can run on a user provided laptop or desktop computer. The ProRAE Remote package is priced at USD\$3,000.00.

### **About RAE Systems**

RAE Systems Inc. is a leading manufacturer of single and multiple sensor atmospheric monitors, photo-ionization detectors, gas detection tubes, sampling pumps and wirelessly connected gas detection and security monitoring devices. Our products and services are designed to enable our customers to monitor gas and other volatile organic compounds in confined spaces, and to establish a perimeter security around hazardous material sites and sites of weapons of mass destruction. RAE Systems’ customers operate in such industries as safety and security, oil and

gas, pharmaceuticals, utilities, food, chemical, airlines, military and hazardous material storage and disposal, and its monitors are used in civilian and government atmospheric monitoring programs in over 50 countries. For more information about RAE Systems, please visit [www.raesystems.com](http://www.raesystems.com).

Note to Editors: Product photos can be found at <http://www.raesystems.com>.