

ENHANCING SAFETY AT LARGE SPORTING EVENTS

Honeywell RAE Systems' wireless gas detection solutions protect the public at a large sporting event in the United States

Success Story

Honeywell

LARGE SPORTING EVENT PROTECTION

When a large sporting event attracts hundreds of thousands of visitors, how can the organizers protect the public from potential threats? By using the Honeywell RAE Systems' wireless, portable gas detectors, the most advanced gas detection technology.

BACKGROUND

One of the biggest challenges of hosting a large sporting event is ensuring the safety and security of the public from potential threats, such as gas leaks, fires, explosions, or chemical attacks.

These threats can pose serious risks to the health and well-being of the attendees, staff, and nearby residents, as well as cause significant damage to the infrastructure and reputation of the city.

To prevent and respond to these threats, event organizers need reliable and effective gas detection solutions that can monitor the environment, alert the authorities, and enable swift action. That is why Honeywell RAE, the global leader in wireless, portable gas detectors, partnered with a municipal city in the United States to provide the most advanced gas detection technology for a large sporting event that attracted over 700,000 people to the city over the course of three days. Thanks to the RAE portfolio of wireless gas detection solutions, this city's police and fire department were able to safeguard the public from any hazards and deliver a smooth and secure event.



CHALLENGE

Hosting a large event poses several challenges for a municipal city, especially in terms of ensuring the safety and security of the public from potential threats. Accidental or intentional releases of hazardous substances, fires, explosions and terrorist attacks are some of the scenarios that could disrupt the event and endanger the attendees.

To prevent or respond to such incidents, the city's local law enforcement agencies needed a perimeter monitoring solution that could identify any organic vapors, toxic gases or chemical warfare agents in real time, and alert them to take immediate action. Without such a solution, the city would have to limit the

number of people allowed to attend the event, which would reduce the economic and social benefits of hosting it.

Therefore, the city sought the help of Honeywell RAE Systems, the global leader in wireless, portable gas detectors, to provide the most advanced gas detection technology for the event.

SOLUTION

Honeywell offered a comprehensive solution that included AreaRAE and Honeywell Safety Suite Responder Premium.

The AreaRAE, a rugged and portable device, can measure up to seven threats simultaneously, including organic vapors, combustible gases and gamma radiation.



Honeywell AreaRAE wireless multi-gas, multi-threat detector



Honeywell Safety Suite Responder Premium

The AreaRAE also features both a PID and Radiation Sensor. The PID Sensor has the ability to detect lower levels of volatile organic compounds (VOCs) that could pose health risks to the public. The radiation sensor for AreaRAE is a device that can detect and measure gamma radiation, a harmful type of ionizing radiation that can come from various sources such as nuclear reactors, radioactive materials, or nuclear weapons.

The AreaRAE devices were deployed in strategic locations around the city, such as public transit stations, entrances to the event venues and around the public gathering places. The data collected from the devices was transmitted wireless via Honeywell Safety Suite Responder Premium, a real-time software platform that collects, analyzes and displays the data to the command center. The comprehensive software solution also enables the user to send alerts to notify other stakeholders in case of any detected threats. This gives local authorities and event management a comprehensive picture of any situation and allows them to respond quickly and effectively to any incident.

RESULTS

By deploying the Honeywell AreaRAE and Safety Suite Responder Premium, the city enhanced their ability to detect and identify possible threats that could happen during the sporting event.

The powerful portable gas detectors and advanced software provided more context and alerts for various situations, as the command center was able to display real-time data and notifications as they happened. Having access to this information helped local authorities and event management be ready to deal with any situation and coordinate their actions. Honeywell's solution improved the safety and security of the visitors and residents of the city during this highly attended and high-profile event.

Safety Suite Responder Premium is an integrated software solution that monitors workers' exposure to gas, changes in vital signs, and ambient weather conditions in real time. It also relays data from your fleet of wireless monitors to a centralized system for a comprehensive view of worker safety.

- The Responder offering is designed for emergency responders with standard feature set for fast deployments
- Safety Suite Premium allows you to remotely monitor the safety of your workers with real-time location information, detailed exposure detection and geofence alerts
- Safety Suite is available in an on-cloud or on-premise version, with the scalability and performance required for safety critical operations

The **AreaRAE** provides superior detection of toxic and combustible gases, VOCs and wind speed, direction, all in one easy-to-configure device. Plus you'll have vital details about threats happening in real-time—arming you with the information you need to act quickly.

- Monitors up to seven threats, including VOCs, combustibles, toxics and oxygen
- Optional meteorological sensor for tracking toxic plumes
- 7R+ photoionization detector (PID) for monitoring VOCs at parts per million
- Secondary radio module (Mesh) act as an communication Hub for other wireless devices
- Ruggedized, portable, and weather-resistant design for harsh environments

Process Measurement and Controls

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