

Accurate, real-time sensor information for real-world decision making

The Complete Picture

When critical information counts depend on Active™ Series

Today and everyday you need to find new ways to improve tactical management and response to incidents that involve natural and man-made threats. Protecting assets and critical infrastructure have become more difficult than ever before. Events like security breaches and industrial accidents can happen anytime, but now there are other dangers, perhaps even more challenging. How can you protect the people, places and property in your community from all that Mother Nature and mankind have to offer during your watch? With a solution that delivers real-time weather, environmental, sensor, location and identification data from pinpoint locations—the Active™ Series.

Integrate all the pieces to evaluate a complete picture

WeatherActive, SensorActive and AssetActive work together to enhance the capabilities of public officials who are responsible for asset and critical infrastructure protection.

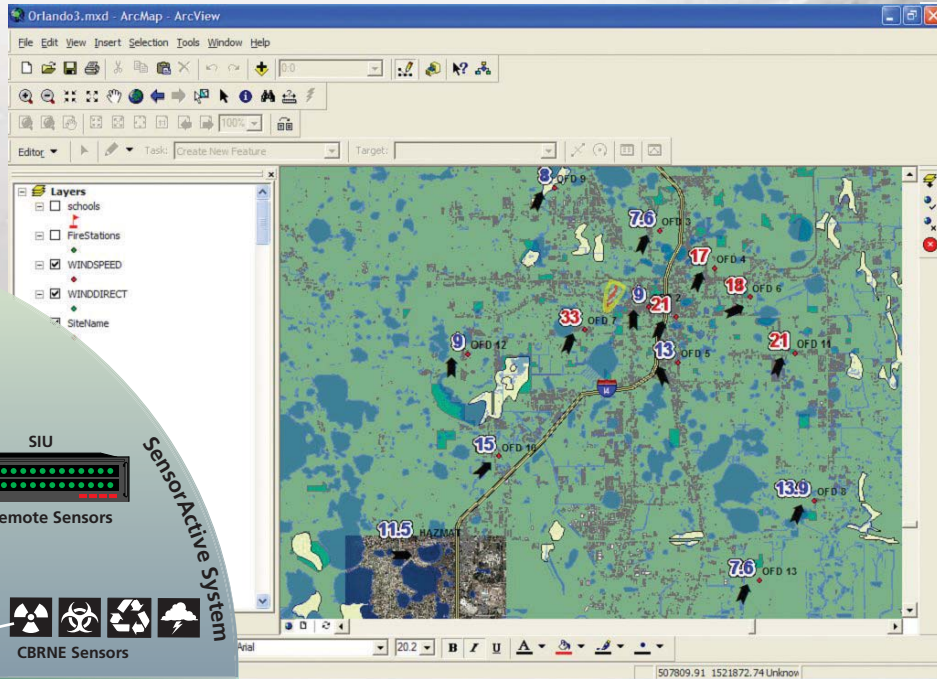
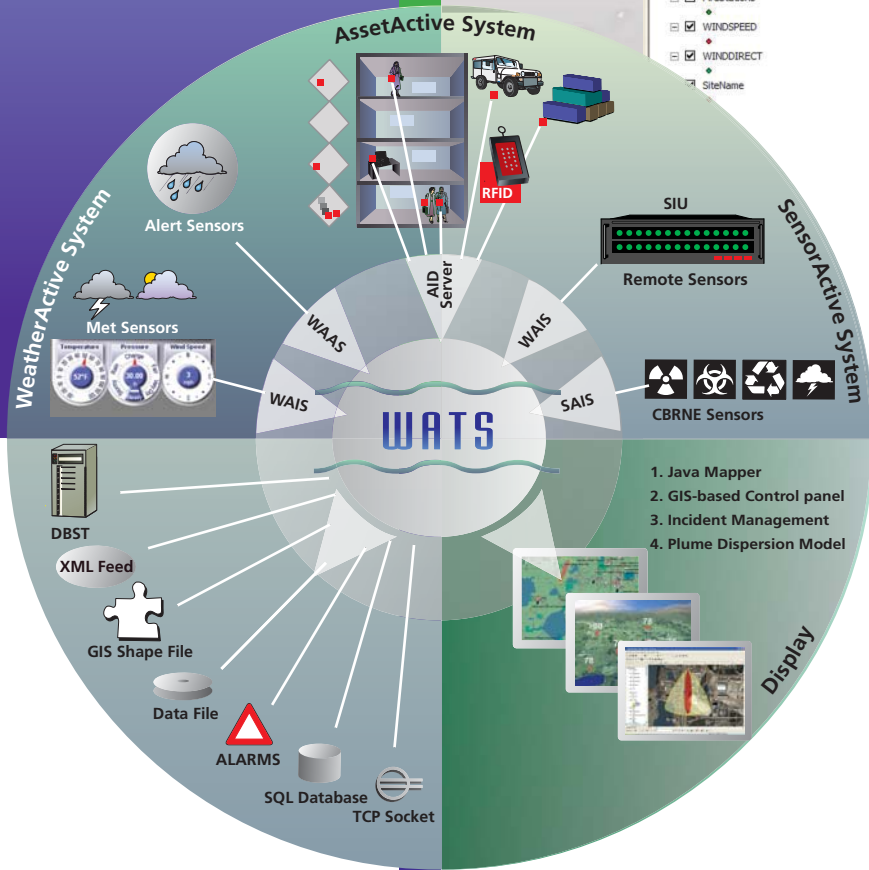
Local sensor networks deliver real-time weather, environmental, and wireless sensor parameters from site-specific locations around a venue or throughout an area. GPS and RFID (radio frequency identification) add pertinent location and identification information. Data is transmitted in real time allowing multiple sites and sensors to be viewed simultaneously. Alarms can be set to alert users of changing environmental conditions, sensor variance and positional data audibly or via e-mail, cell or pager whether on-site or at a remote facility. The ability to integrate the real-time data with a Geographic Information System (GIS) on a single display augments the incident management picture and improves situational awareness. The core software component provides plug and play serial, network and digital/analog interfacing to standard meteorological equipment, environmental instrumentation, GPS devices and a myriad of sensors and detectors. Meteorological equipment measures temperature, humidity, barometric pressure and wind speed/direction—values that are critical in plume dispersion modeling. Other sensors, detectors and collection devices describe chemical, biological and radiological information key to incident reporting while GPS and RFID provide asset monitoring.

Capabilities

- Central data collection, data transfer and storage
- Alert/Alarm engine with user-defined triggers
- Notifications of alarm criteria via e-mail, pager and cell
- Interfaces to various models including flood, noise abatement, and plume dispersion
- Data output to decision support systems, display programs and web-based applications
- Support for industry-standard databases and standard output (XML)
- Includes adapters and drivers to interface to common analog and digital type sensors for meteorological, environmental and CBRNE monitoring



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The answer is blowing in the wind

SensorActive monitors CBRNE devices to look for elevated readings. When anomalous conditions occur, its companion program, WeatherActive gathers local wind speed and direction to help determine where toxins will disperse. AssetActive tracks vehicles and personnel to provide a clear picture of available resources. This information can be coupled with other GIS-enabled applications including plume dispersion models and incident management tools for further analysis.

A solution to protect people, places and things always

The Active Series employs technology that works around the clock—emergencies don't always happen from nine to five. The ability to access real-time weather, environmental and sensor information improves the operational picture and enables more timely response during emergency events. Being able to gain a clear picture of the incident and direct resources to implement preventative measures can save property and lives. Isn't that the true measure of success?

The Active Series employs standard communication protocols, messaging and database storage. Web-based interfaces designed for secure access enable information sharing and promote joint decision-making. Data from environmental and non-traditional sensors are geo-referenced and can be plotted in real time in a GIS presenting a clear and accurate operational picture to improve situational awareness. Local and remote alarms are built in to provide alerts regardless of physical location and the SiteWatch quality control program monitors sensor performance. Helping you to protect assets, and secure property and personnel from harm, is the most important goal of the system.

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Aerial photography and GIS data courtesy of the City of Orlando, FL



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