

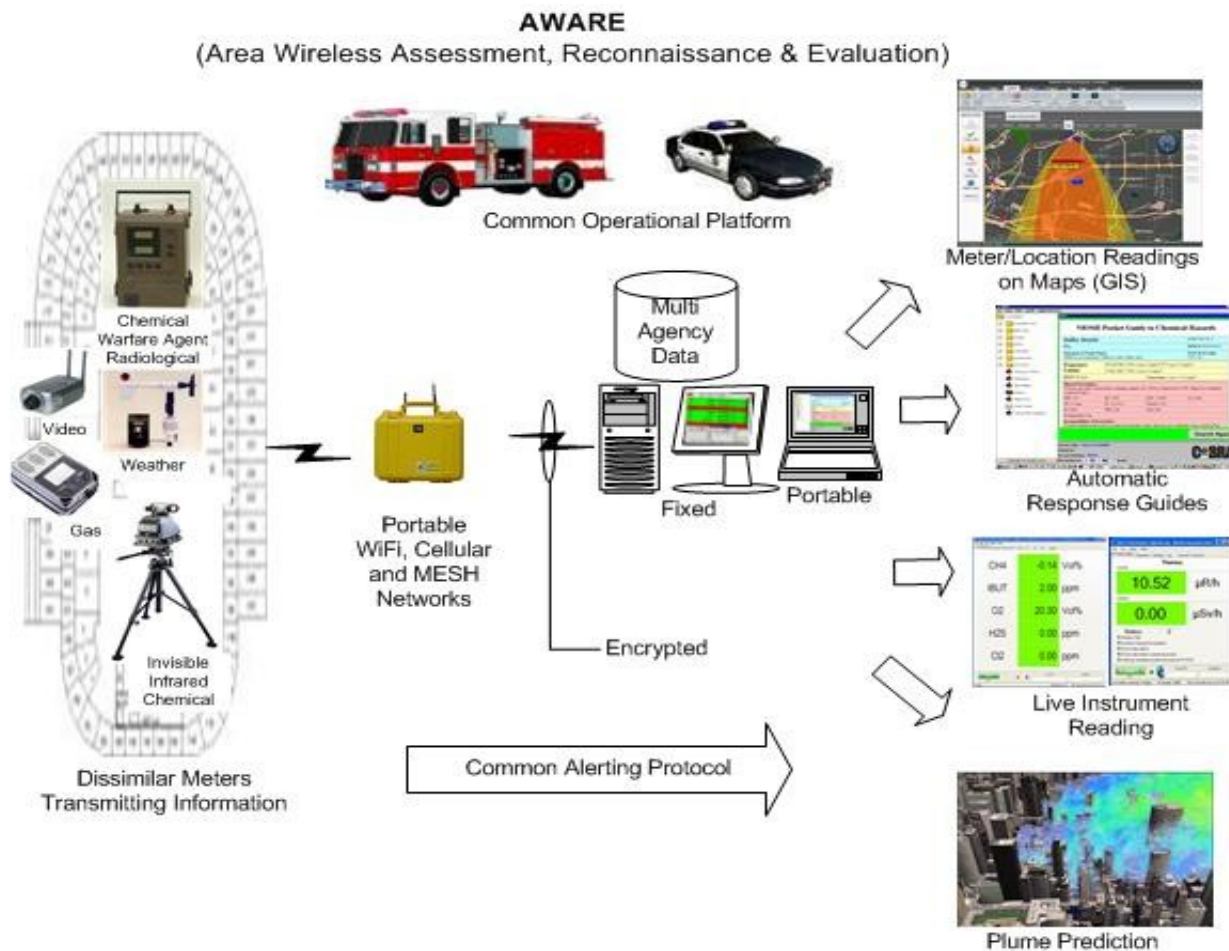
# AWARE

(Area Wireless Assessment, Reconnaissance & Evaluation)

The AWARE system detects and communicates the presence of chemical warfare agents (CWAs), volatile organic compounds, VOCs, toxic industrial chemicals, TICs, and radiological agents within a secure wireless Standards based network. The AWARE open architecture system integrates multiple chemical and radiological (and possible future bio-detection) detectors with wireless data communication to provide easy to understand atmospheric detection measurements to responders and facility managers to help warn and respond to chemical and radiological WMDs and support emergency services. The system can be transported and operated in a temporary location (for example: buildings, public events or mass transportation systems) for special events to increase public safety. The AWARE system's ability to detect chemical and radiological threats effectively helps first responders, law enforcement and government agents reduce the risk of chemical or radiological exposure and facilitates consequence management. With the ability to communicate live readings to the Command Center using wireless communication, the AWARE system provides superior preventative and counter-measures solutions for homeland security.

## Applications:

Emergency Responses, Public Events, Building Protection, Mass Transportation Centers, Perimeter Monitoring, Hazardous Response, Confined Space Response, and Indoor/ Outdoor Air Quality Survey



**Features:**

- Enables users to monitor a larger area than ever before by real-time, two-way wireless communication with detectors, base controller and multiple wireless networks
- Provides perimeter monitoring so that life-critical information is available anytime, anywhere and where appropriate.
- Allows rapid monitoring and assessment of situations involving the release of hazardous substances and assists in determining what actions need to be taken to protect nearby populations.
- Delivers life-critical information in seconds and enables real-time decision making for emergency response and safety monitoring of remote facilities.

**Hazard Detection:**

Radiological agents, CWAs, VOCs, TICs (Cl<sub>2</sub>, NH<sub>3</sub>, HCN, HCL ect...)

**Main Components:**

- RAID-XP point source CWA and radiation
- HAWK standoff CWA up to 500m away
- Existing LAFD/LAPD detectors for handheld and stationary use.
- Radiation Portals large area radiation detection
- Communications Network – Cellular/WiFi/MESH
- Software – GIS/Plume/Live Sensor/Hazard Guidance/Video
- Weather Station – local micro climate

**Program Integration:**

- Archangel Critical Infrastructure Assessment
- Los Angeles Regional Common Operation Picture (LARCOP)
- EOC, DOC or HSOC
- RACR

**Deployment Examples:**

- Emmy Awards 08/09/10
- World Baseball Classic
- Long Beach Grand Prix 09/10
- Tournament of Roses Events 2009/2010
- USC/Ohio State
- UCLA/Arizona

**Information Sharing Standards:**

- National Information Exchange Model (NIEM)
- OASIS Emergency Data Exchange Language (EDXL/CAP)
- Global Justice XML Data Model