

Location-Based Situational Awareness and Trusted Crowd- Sourcing

James W. Morentz, Ph.D.

SpotOnResponse LLC

Purpose

**SpotOnResponse
provides awareness of
incidents near your
location**

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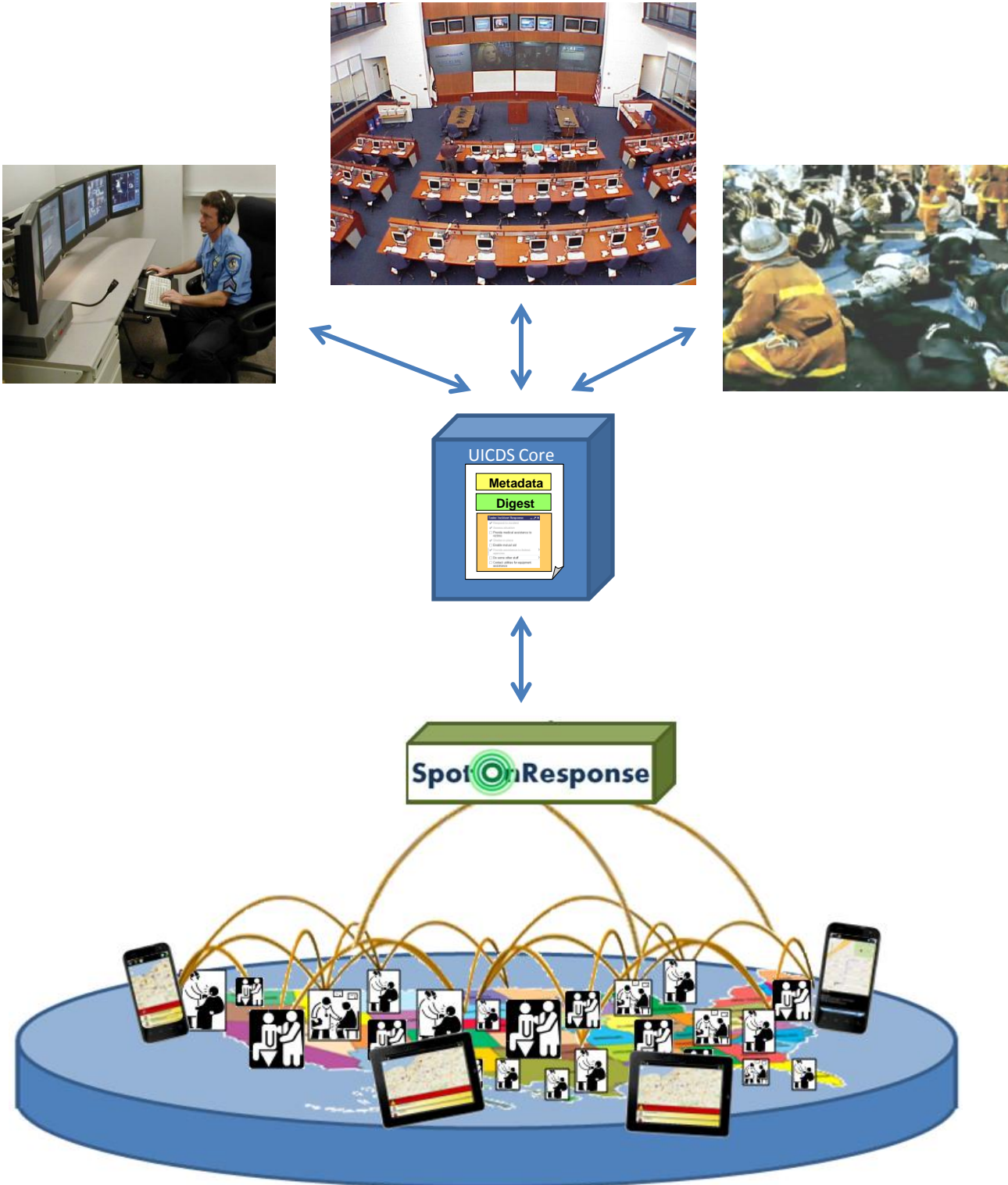
**Shared to your trusted
team and organizations**

Mobile App and Web Application for Your Desktop

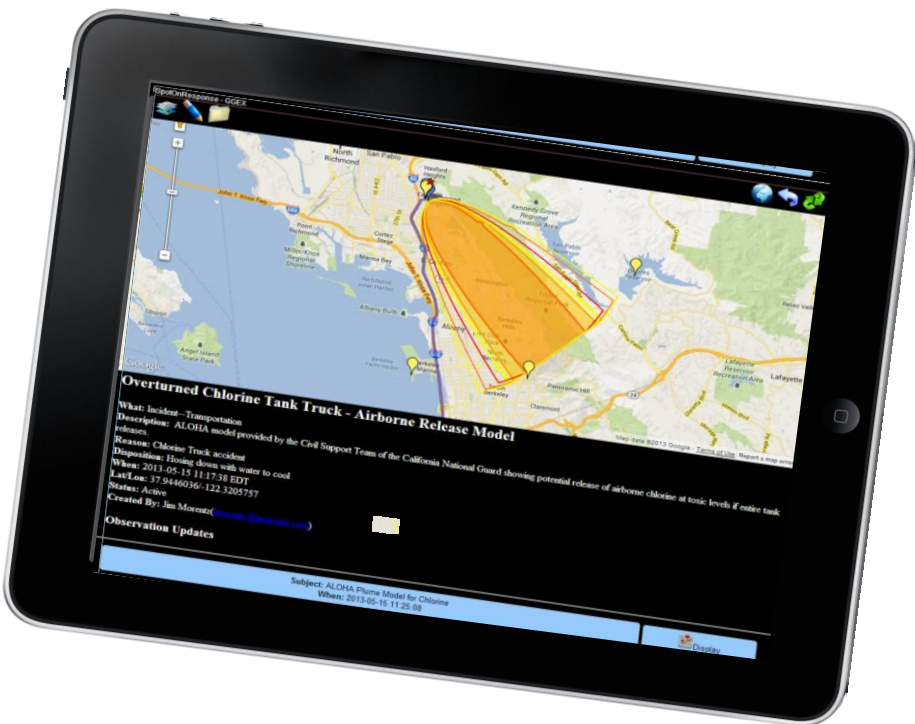
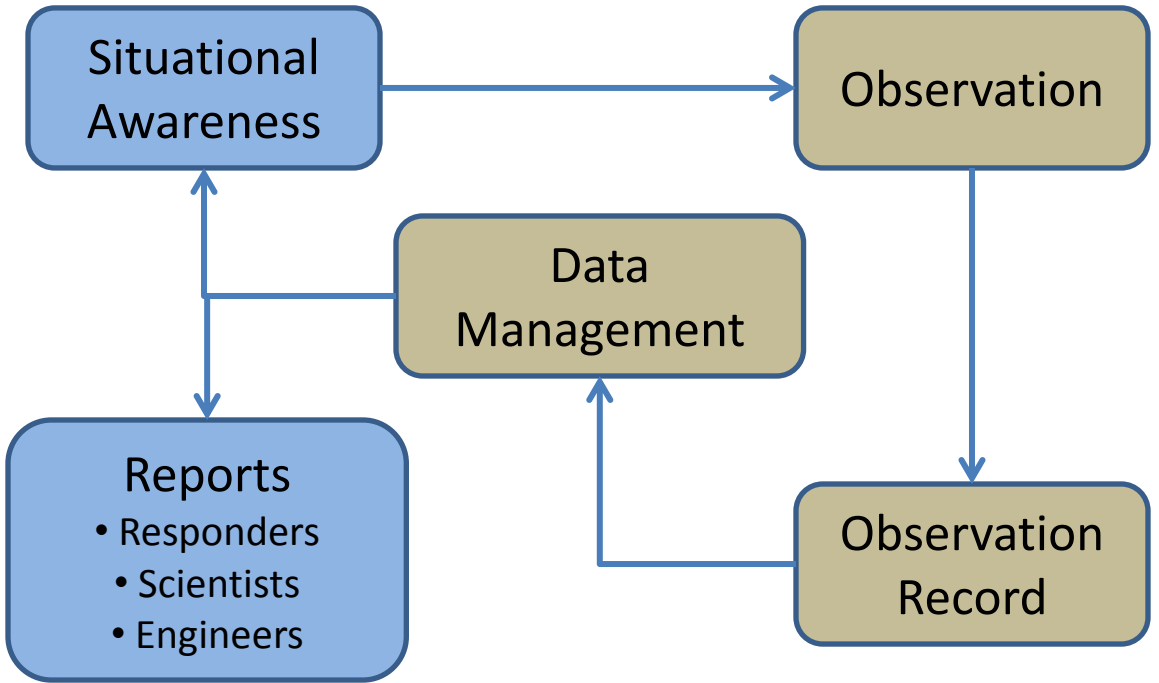
Cellular, WiFi, Computer Internet
Access to the “Cloud”



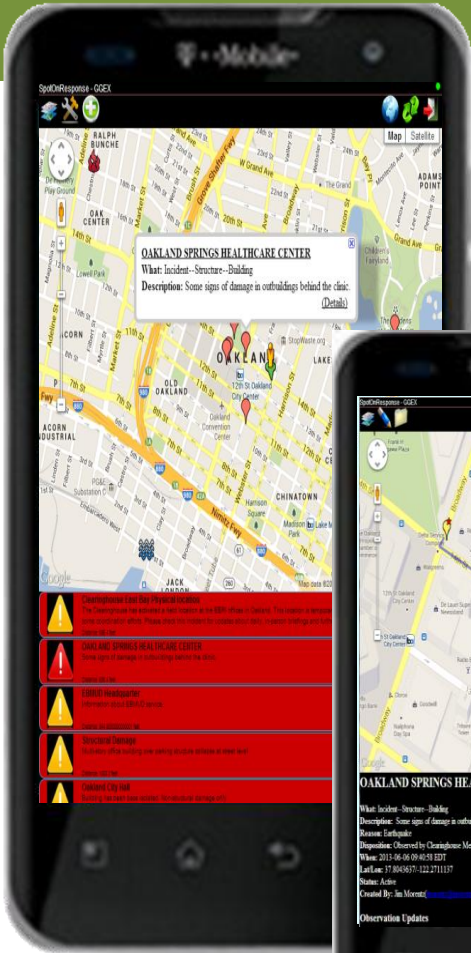
Concept of Operations



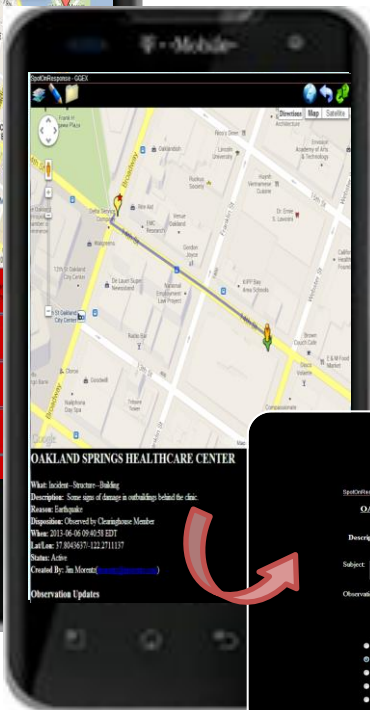
Moving Data Securely



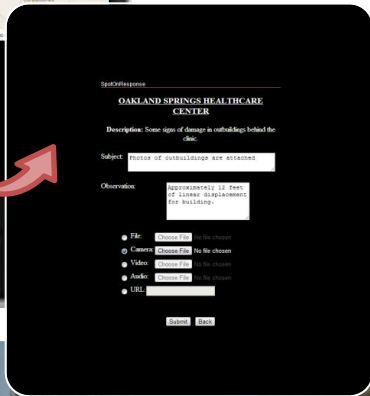
Field Observations from Your Trusted Crowd



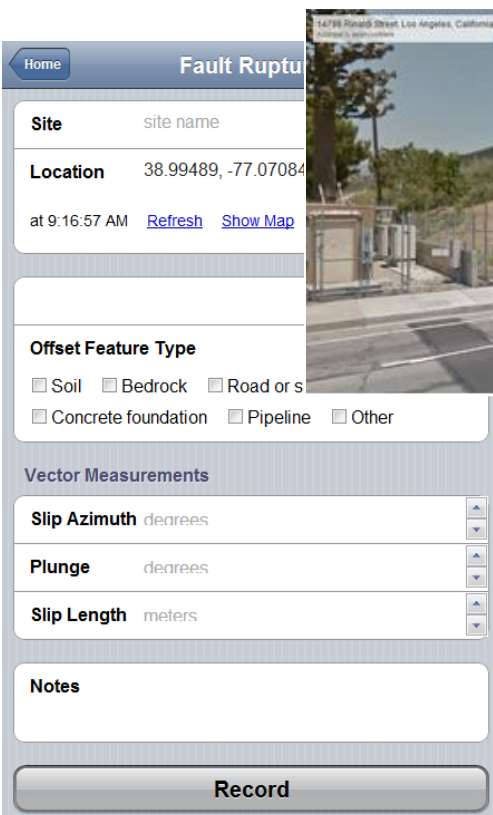
Red Alert to Possible, Nearby Damage Locations from UICDS



App Provides Directions for Scientist, Engineer, and Responders

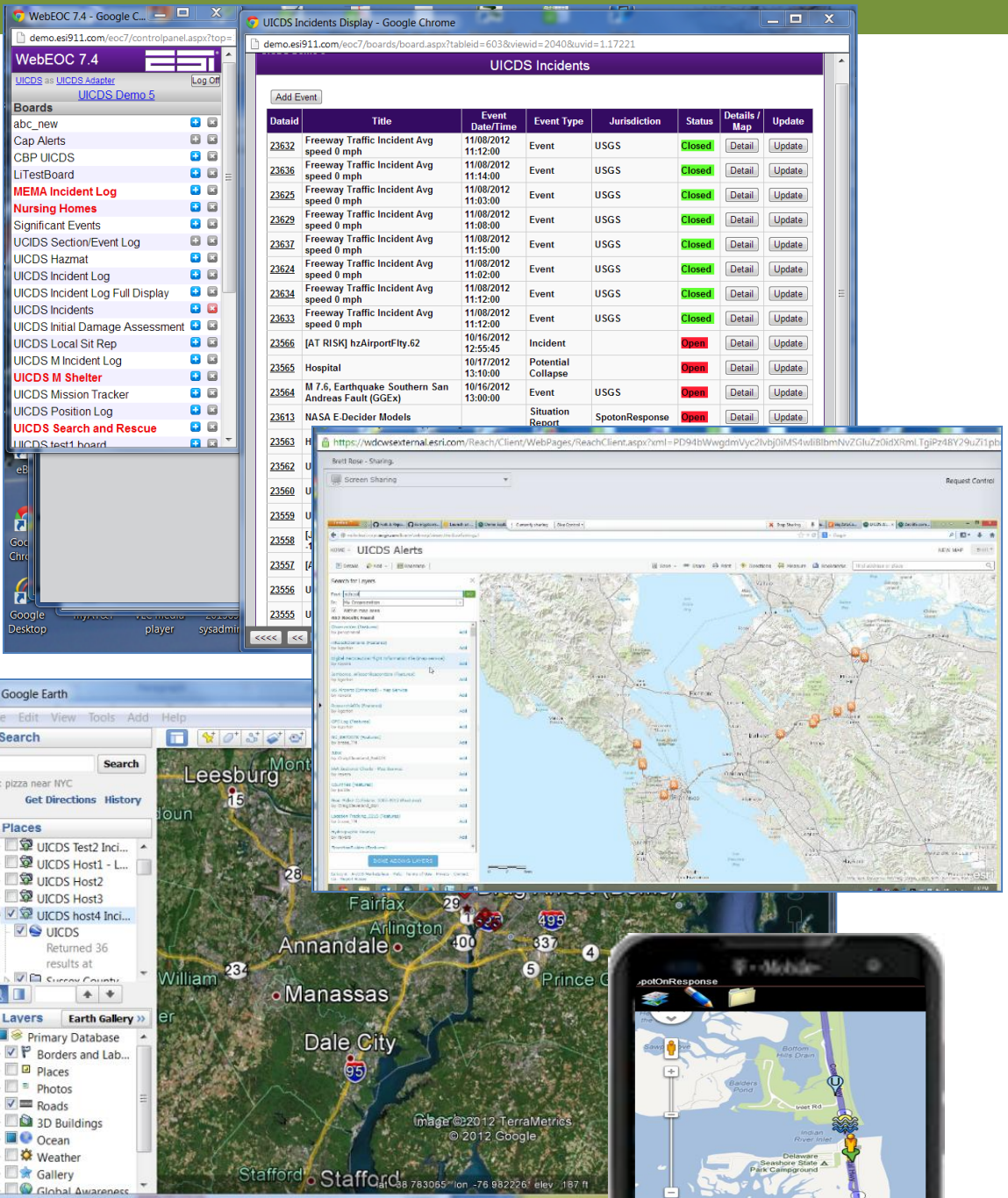


Record Field Observations with Text, Voice Notes, Photographs, Video

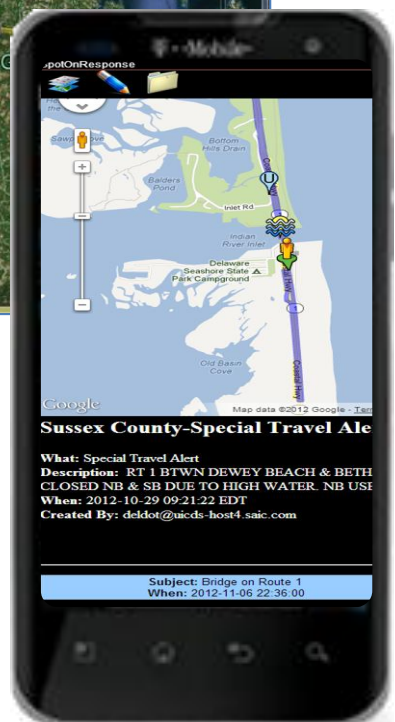


Integrate other external reporting tools – scientific, engineering, and damage assessment forms for emergency response and recovery

Shared with SpotOnResponse and Other Approved Applications



Using the UICDS middleware, SpotOnResponse shares with WebEOC and other crisis information management systems, Google Earth™ and ESRI® Flex Viewer, ArcGIS Online, and SpotOnResponse among MANY other applications

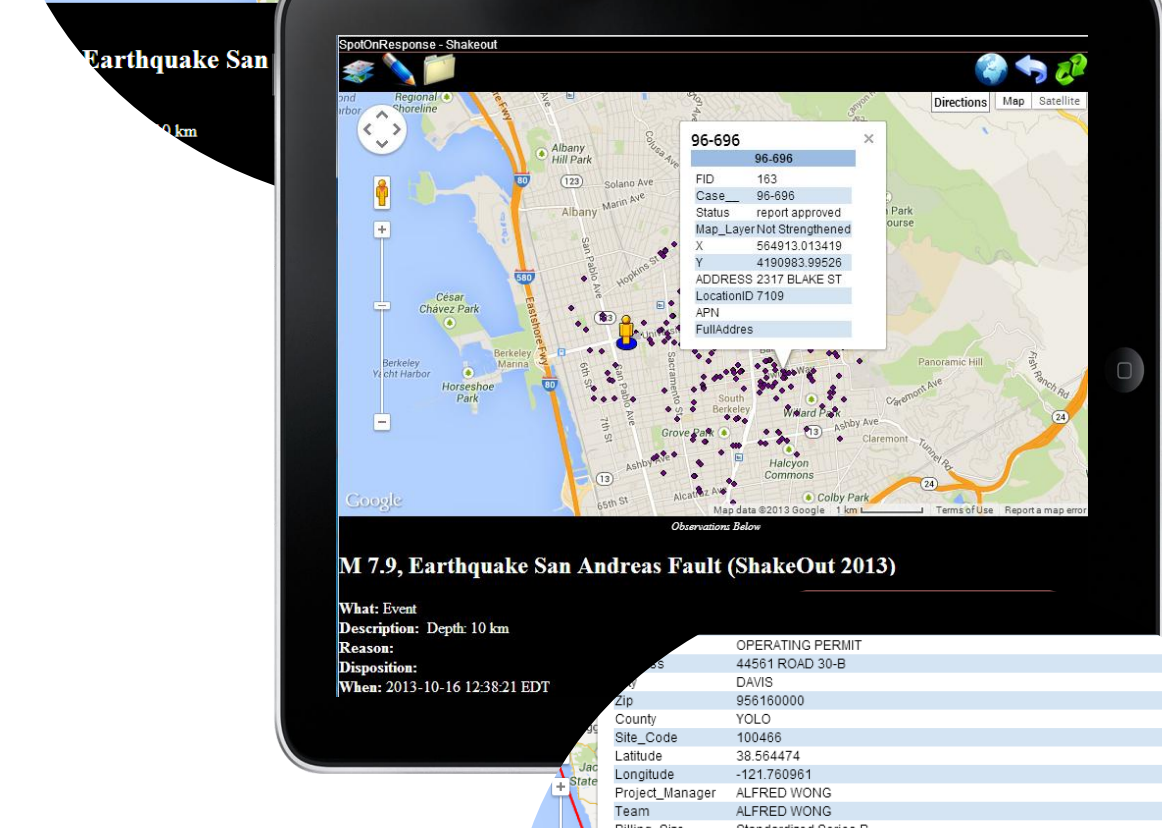
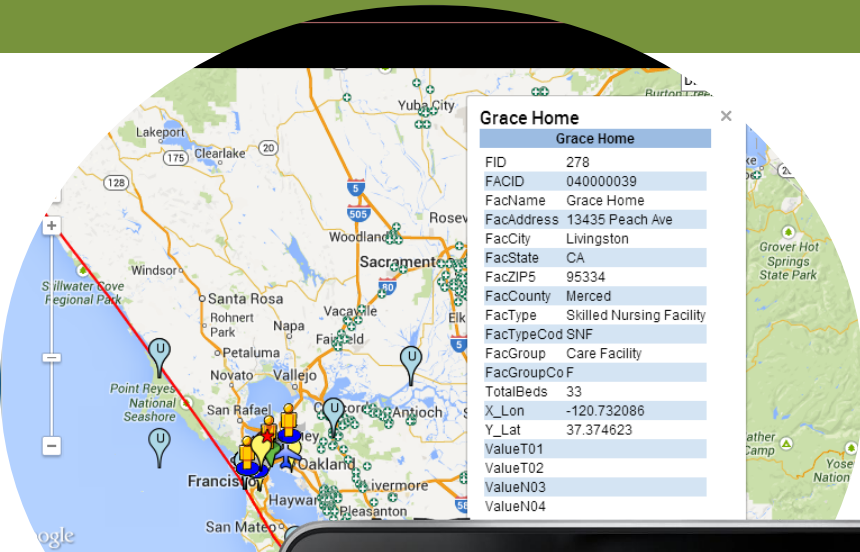


Know Location of Other "Team" Members and What They Are Doing



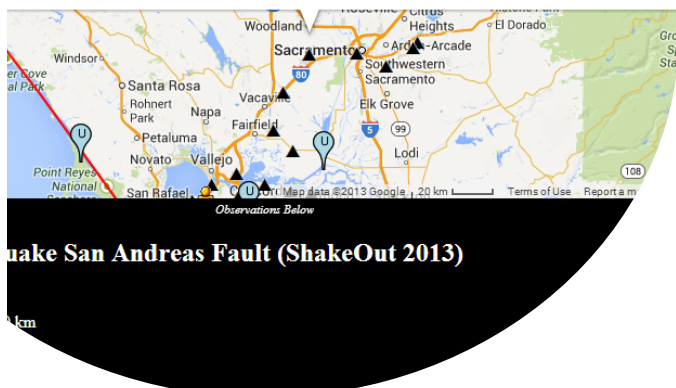
Each person can **"Check In"** to on-going incidents or locations of interest so you know what they are doing

Supporting GIS Data for Location-Based Situational Awareness

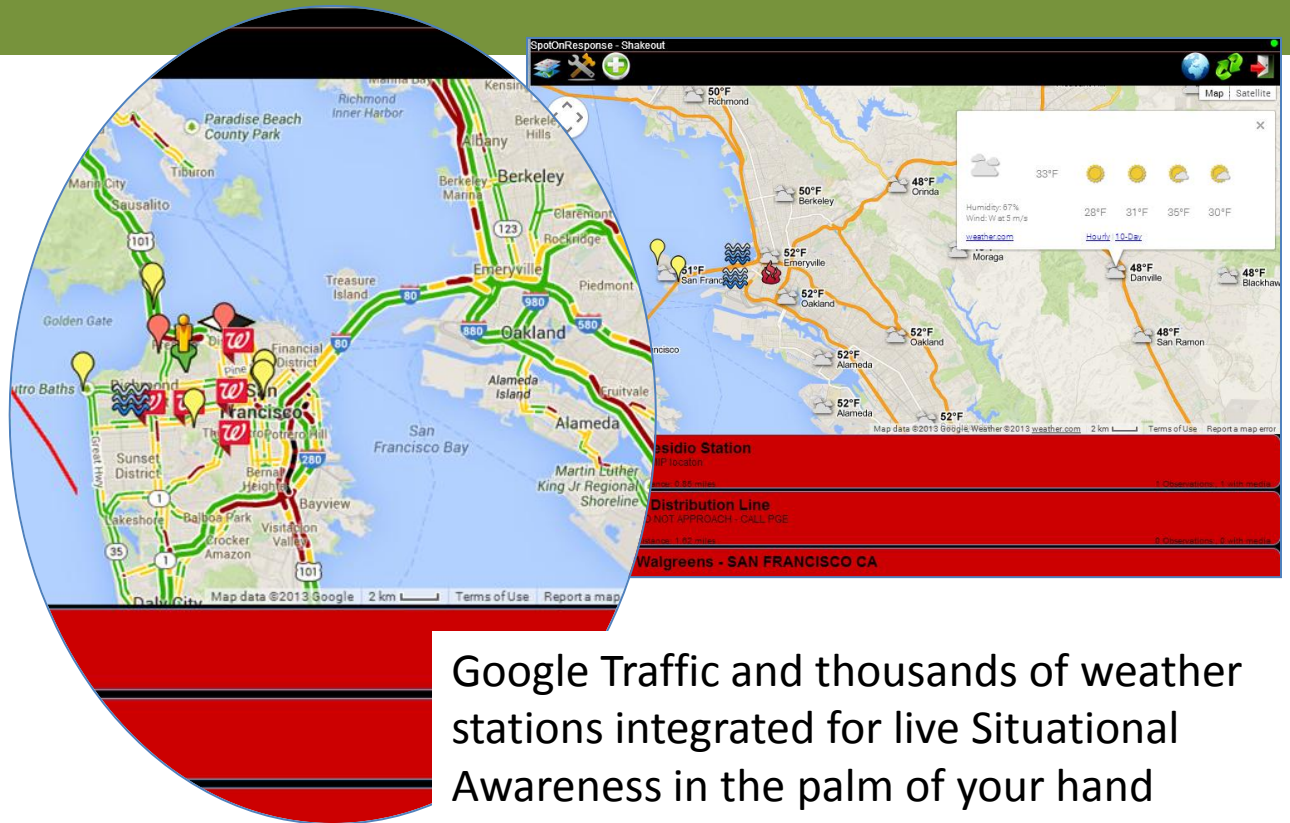


GIS data becomes part of your mobile situational awareness allowing field observations of fixed facilities and infrastructure to flow back into your geospatial situational awareness viewers

https://www.envirostor.dtsc.ca.gov/public/hwmp_profile_report.asp?global_id=CAD982446874
https://www.hwmpenvirostor.dtsc.ca.gov/screens/menu.asp?global_id=CAD982446874



Other Valuable Information for the Mobile User



Google Satellite images and Google StreetView for ground-level photo imagery fully integrated with your Situational Awareness and GIS data

Coordinated Response Requires
Dynamic, Real-time Information

<https://app.SpotOnResponse.com>

- **Look at the User's Guide**
- **Click on Register and use
Project Code: OperClearHouse**
- **Turn on Location Services if
asked**
- **Click on Tools menu and Set
Location to stop using GPS and
move yourself**
- **The green + adds incidents at
your location**
- **Click on an icon or text bar at the
bottom to see observations**
- **Make an observation with the
Pencil menu and Update**

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