Empowering your
First Responders

with **GeoRobotiX**

Powered by
OpenSensorHub

Empowering your
First Responders

Leverage GeoRobotix to harness **real-time observations** to aid decision making and better serve our first responders.

Use GeoRobotix to **overcome interoperability challenges** between your sensor systems, from many different vendors and different government agencies.

Integrate your Sensors, Things, and Robots with GeoRobotix to help you master your operational environment.

Through the power of GeoRobotix, **integrate the Sensors deployed across your operational environment with your GIS data, high resolution three dimensional (HR3D) terrain data** and all your first responder systems to positively transform your situational awareness during emergency response and management.

Transform your sensors in to **location-enabled and geographically-aware** web accessible services with GeoRobotix.

Let GeoRobotix provide a high availability, secure, interoperability backbone that enables **geographically accurate and precise analysis and operations.**

GeoRobotiX

Integrating
Sensors, Actuators & Processes

Policing, Fire Response, Emergency Medical
Bodycams, vehicle cams, fleet AVL, dispatch, shot-spotter sensors, bomb-disposal robots/sensors, thermal sensors, CBRNE sensors, etc.

Air Support
UAS/Drone operations and sensors, rotary-wing based sensors, air traffic info, etc.

Meteorological
Temperature, pressure, humidity, precipitation, wind speed/direction (at sea surface, ground, and at altitude), lightning strikes, Doppler radar, turbulence, etc.

Marine environments
Maritime domain awareness sensors, AIS, bathymetric sensors, etc.

Smart city/infrastructure
Transit status/location, traffic cams, congestion and obstacle sensing, road conditions, collision sensors, license plate readers, pedestrian observation, etc.

Space & airborne Remote Sensing
Electro-optical (EO), Infra-red (IR), multi-spectral imagery (MSI), hyper-spectral imagery (HSI), Full Motion Video (FMV), Wide-Area Motion Imagery (WAMI), SAR, LiDAR, sonar , CBRNE sensors, and acoustic sensors.

Power your
First Responders with
OpenSensorHub

Learn more at
www.opensensorhub.org

@opensensorhub

Getting started with GeoRobotix

Cloud Platform Subscription (SAAS)
Harness the GeoRobotix platform without bothering to own or manage your own Cloud computing resources. GeoRobotix provides various SaaS Cloud Subscription levels to allow you to securely leverage the power of your Sensors, Things, and Robots as location-enabled, geospatially-aware web accessible services immediately.

On-Premises/Self-Hosted Platform Subscription
Deploy the GeoRobotix platform on-premises or on your own Cloud computing resources. Whether on your own compute infrastructure, or in your leased commercial Cloud, we offer "OnPrem" SaaS Subscriptions that let you deploy the GeoRobotix platform and securely integrate it into your larger enterprise capabilities.

Expert Services
Beyond GeoRobotix platform subscriptions, and the support and maintenance services included therein, GeoRobotix offers world leading expertise to formulate and implement your next generation sensor and IoT vision. GeoRobotix offers strategies and decades of implementation know-how that you can harness to master the world around you.

FAQs

How to deploy?
First responders have been quick to adopt a variety of different kinds of sensors that might help them advance the cause of public safety. However, given the complex nature of many emergencies to which first responders are asked to respond, they often face a situation where local police, fire, and emergency medical technicians do not have access to each other's observational fields of view - let alone those from nearby jurisdictions, or teams from higher level state and federal jurisdictions.

How to secure?
Mission critical first responder environments demand security. As Sensors, Things, and Robots are deployed as location-enabled and geographically-aware web accessible services across your distributed, inter-jurisdictional, first responder enterprise, they must be secured with role based access that allows them to be dynamically recombined to meet evolving mission needs and crisis situations. OSH offers the fine grained security necessary to do that.

How to discover?
Once your first responder operational environment becomes dense with a wide range of Sensors, Things, and Robots, visual discovery becomes less and less useful. Users (whether people or machines) will need to discover observations based on location, time, sensor/actuator type, observations thresholds, and more. OSH provides this discoverability for those seeking to navigate and manage the deluge of data from their operational environment, over time and space.

How to task and dispatch?
First responders are dispatched by 911 call centers during emergencies. Non-emergency scenarios use other dispatch and resource allocation processes. And, the future will see a complex landscape of tasking and dispatch across the many sensors, actuators, and processes that will densely occupy the future emergency response environment. Having all of these integrated as location-enabled and geographically-aware web accessible services will also open them up to dynamic tasking and dispatch, including automated tipping an cueing. OSH enables such opportunities to tear down tasking and dispatch stovepipes, to enable smarter and more rapid decisionmaking.

How to administer/manage?
The emergency response environments faced by first responders continually change and evolve, and new Sensors, Things and Robots will need to be actively administered/managed as they are added to the operational landscape. OSH offers a host of administrative tools for managing your operational environment, and leveraging these tools to support the public mission.

Contact us

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