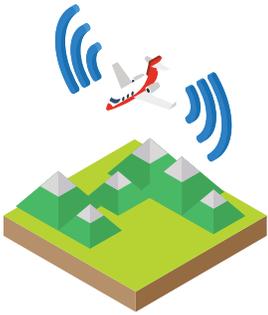


Integrating Sensors, Actuators & Processes



Airspace Situational Awareness

Aircraft telemetry, in-flight data collection, air traffic control, ground radar, GPS AIS, drone locations, etc.



Baggage, Inventory, Servicing
Bar code scanners, RFID trackers, integrated baggage handling systems.



Meteorological

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



Airport/Aerodrome

CCTV, shot spotters, terrestrial radar/LiDAR, access, security, indoor navigation beacons, fire control, power metering, structural integrity, corrosion, ground based vehicle tracking systems, boarding gate sensors, passenger counters, flight information.



Sustainment/Logistics

Fleet AVL and vehicle dispatch, container tracking, transit status/location, traffic cams, congestion and obstacle sensing, road conditions, collision sensors, license plate readers, pedestrian observation, etc.



Safety of Navigation

Navigation charts, airport approach charts and High Resolution Three Dimensional (HR3D) terrain data for airport approach.

Power your
Aviation Enterprise with
OpenSensorHub



Learn more at
www.opensensorhub.org

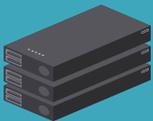
 @opensensorhub

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?

The aviation and wider aerospace sectors have pioneered so many different kinds of sensors in order to advance situational awareness for pilots, air traffic controllers, supply chain partners, and passengers. They have also become voracious consumers of 3rd party sensor data, whether it is meteorological, avionics, airframe/engine integrity, airfield/aerodrome, security, or inventory in nature. Unfortunately, many of these are stovepiped and largely ignorant of their geographic placement in the operational environment. Legacy/heritage sensors can be integrated with OSH at the edge, or at an OSH gateway to make them location-enabled, geographically-aware, and secured as web-accessible services. OSH also makes it easy to deploy entire new kinds of Sensors, Things, and Robots in to this same 4D framework.

How to secure?

Mission critical aviation and aerospace environments demand security. As Sensors, Things, and Robots are deployed as location-enabled and geographically-aware web accessible services across your aviation 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 aviation 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?

Pilots are directed by air traffic control. Still, the future will see a complex landscape of tasking and dispatch across the many sensors, actuators, and processes that will densely occupy the future aviation/aerospace operational 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 and cueing. OSH enables such opportunities to tear down tasking and dispatch stovepipes, to enable smarter and more rapid decision-making.

How to administer/manage?

Aviation and aerospace operational environments 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.

Contact us

✉ sales@georobotix.com

🐦 [@GeoRobotix](https://twitter.com/GeoRobotix)

💻 www.GeoRobotix.com



GeoRobotix

Copyright 2020
All rights reserved.