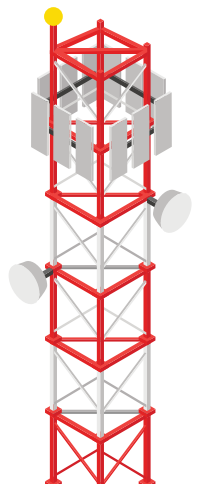
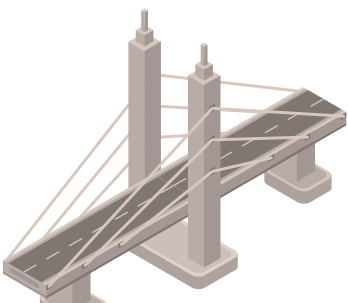
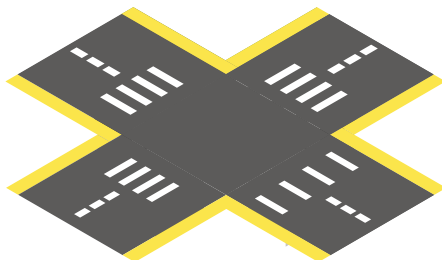
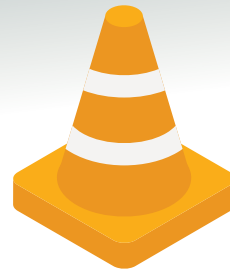
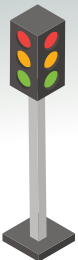
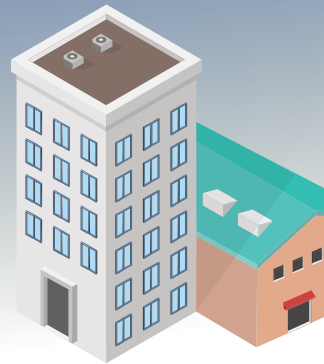
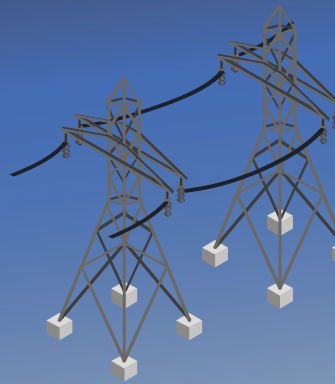
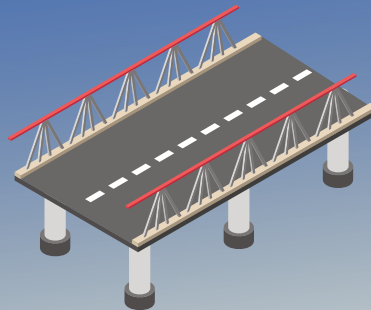


Transforming the

Built Environment & Infrastructure

with **GeoRobotiX**

Powered by
OpenSensorHub



Transforming the Built Environment and Infrastructure

Revolutionize infrastructure management by providing comprehensive insights into both above-ground and underground assets, ensuring smarter, safer, and more resilient cities and structures.

Overcome the complexity of managing diverse infrastructure components by integrating sensors and IoT devices across roads, bridges, tunnels, and smart buildings into the GeoRobotix platform.

Empower urban planners, construction managers, civil engineers, and facility managers by connecting Sensors, Things, and Robots across construction sites, utilities, and transportation networks, facilitating data-driven decision-making and enhanced operational efficiency.

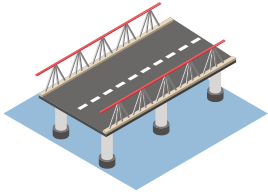
Fuse GIS data, BIM models, and sensor outputs to monitor structural integrity, track environmental impacts, and optimize energy use in smart buildings and infrastructure projects.

Transform infrastructure into location-aware, web-accessible assets, ensuring longevity, sustainability, and resilience in the face of environmental and operational challenges.

Deliver a secure, scalable platform that supports large-scale infrastructure projects, smart city initiatives, and utility management across diverse urban environments.

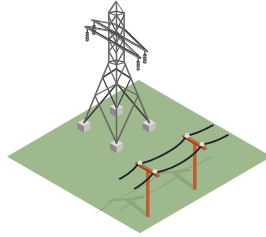


Integrating Sensors, Actuators and Processes



Structural Health Monitoring

Bridge sensors, tunnel monitors, vibration detectors, strain gauges, and foundation integrity trackers to ensure long-term durability and safety.



Utility and Energy Management

Smart grid sensors, water and gas meters, pipeline integrity sensors, leak detectors, and HVAC monitors for efficient resource management.



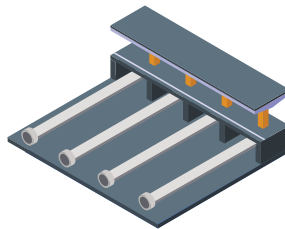
Transportation and Mobility

Traffic flow sensors, tolling systems, road surface condition monitors, parking sensors, and automated public transport monitoring systems.



Building Automation and Safety

Smart building controllers, occupancy sensors, fire alarms, elevator telemetry, and energy management systems for enhancing operational efficiency.



Underground Infrastructure Monitoring

Pipeline inspection cameras, soil stability sensors, underground utility trackers, and flood monitoring systems to manage subterranean assets.



Environmental Impact and Sustainability

Air quality monitors, noise pollution sensors, green roof trackers, solar panel performance monitors, and rainwater collection systems to enhance sustainability in urban environments.

Frequently Asked Questions

How to deploy?

GeoRobotix simplifies deployment across urban environments by integrating with existing infrastructure and deploying new sensors across smart buildings and public works. OpenSensorHub (OSH) ensures seamless connectivity, enabling efficient infrastructure management.

How to secure?

Urban infrastructure data is vital for public safety and operational continuity. GeoRobotix secures infrastructure networks with encrypted communications, role-based permissions, and robust cybersecurity protocols, ensuring data integrity.

How to discover?

GeoRobotix enables users to discover and analyze infrastructure data by asset type, location, and operational status, ensuring effective monitoring and maintenance.

How to dispatch?

GeoRobotix facilitates the dispatch of maintenance crews, autonomous inspection drones, and repair equipment, ensuring rapid response to infrastructure issues and minimizing downtime.

How to administer/manage?

GeoRobotix provides comprehensive administrative tools to manage urban infrastructure, smart building systems, and underground assets. The platform scales to support expanding cities and infrastructure networks, ensuring long-term growth and sustainability.



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, IoT, and connected systems** vision. GeoRobotix offers strategies and decades of implementation know-how that you can harness to master the world around you.

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