

OVERVIEW

Sentrax’s Solix Suite of cloud and on-site server-based device management and connectivity platform for Smart Building offers a range of features to support different types of applications ranging from building administration to security management to physical asset management.

Sentrax uses BLE (Bluetooth Low-Energy) and high precision BLE-AoA (Angle of Arrival) enabled tags in a range of application specific form factors to provide real-time sensor and position data through scanners and gateways. The scanners are to be installed within the facility for monitoring and tracking.

In addition, environmental and climatic status monitoring of the premises can be carried out using appropriate sensors, tags and scanners provided by Sentrax.

The web application dashboard allows for the live tracking of sensors and tags. These tags can be attached to assets, or assigned to customers, patients or work staff for safety, security or attendance-based applications in use-cases such as hospital, factory, warehouse or high security venue.

KEY COMPONENTS

- Beacons & Tags
- Scanners / Gateways
- Solix Server
- AoA Engine

KEY FEATURES

- Manage and tracking
- Real Time Location Service
- Event Reporting
- Alert Systems
- Notifications
- Reporting & Analytics

KEY BENEFITS

- Real Time Visibility
- High Level Accuracy
- Increased Security
- Increased Productivity
- Environmental Monitoring

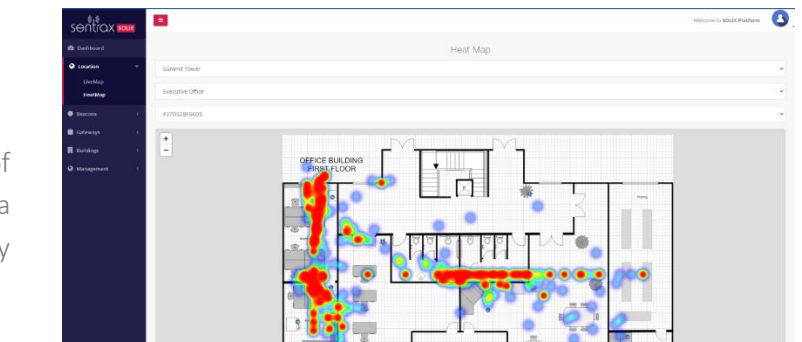
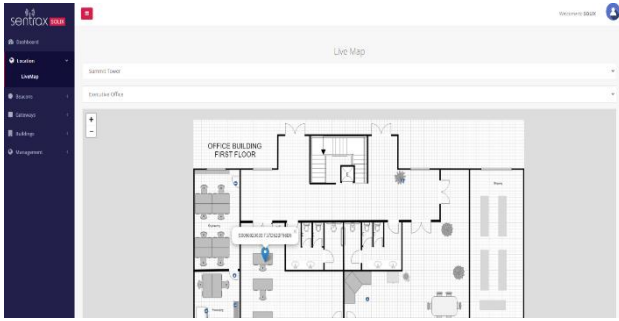
USE CASES

- Assets Tracking
- Personnel Tracking
- Healthcare
- Smart Building
- Manufacturing
- Fleet Management

Features	Solix Lite	Solix Standard
Downloadable Gateway / Beacon Data	✓	✓
Devices management and configuration	✓	✓
Gateway placing on MAP	✓	✓
User defined 2D floor maps	✓	✓
Customizable dashboard		✓
Live map		✓
RTLS tracking management system		✓
User management system		✓
Gateway health history data		✓
Tag and sensor data stream (MQTT)		✓
Tag positing data stream (MQTT)		✓
Heat Map		✓
Notifications & alerts		✓
Regions alerts for tags (SMS & Email)		✓
Historical data (Sensor & Positioning)		✓

LIVE TRACKING INDOOR (MAP VIEW)

Solix uses RTLS Engine which determines the location of the tag by using a system of Gateways. These Gateways calculate the exact distance by time-of-flight method through strategically placed gateways in the facility. It can provide zone, room or meter level accuracy of its location information. The platform would display their positions on a map or a layout of the area being monitored.



DEVICE PLACING ON MAP

Solix Suite's 'Device Placement Mapping' feature allows users to accurately position and visualize devices on a digital map. This feature enhances spatial awareness and aids in optimizing device deployment and monitoring within a given area



HISTORICAL DATA OF DEVICES (LIST VIEW)

The Solix system is tailored for Management Systems applications, offering a web-based list format that presents historical data of devices. This view showcases all the information of beacons, gateways & tags including their summary, deployment type. Timestamps.

ID	Beacon ID	MAC Address	Serial Number	Supply Status	Device Type
1	1	08:00:27:00:00:00	0000000001	Installed	Beacon
2	2	08:00:27:00:00:00	0000000002	Deployed	Beacon
3	3	08:00:27:00:00:00	0000000003	Deployed	Beacon
4	16	08:00:27:00:00:00	0000000016	Installed	Beacon
5	18	08:00:27:00:00:00	0000000018	Deployed	Beacon
6	19	08:00:27:00:00:00	0000000019	Deployed	Beacon
7	21	08:00:27:00:00:00	0000000021	Deployed	Beacon
8	22	08:00:27:00:00:00	0000000022	Deployed	Beacon
9	23	08:00:27:00:00:00	0000000023	Installed	Beacon
10	48	08:00:27:00:00:00	0000000048	Installed	Beacon
11	50	08:00:27:00:00:00	0000000050	Deployed	Beacon

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