

# AVEROS LOCATION SPHERE

## Software Features

Averos provides advanced and innovative smart city and RTLS (Real Time Location System) technological solutions that are intuitive, efficient, cost effective and of high quality and reliability. The Averos Location Sphere (ALS) Suite of Middleware software enables the development of advanced IOT & RTLS applications for various market solutions. ALS is available either through The Cloud or an Onsite Server, the latter offers easier, cheaper and cheaper set-up while the former offers the highest possible security.

### KEY COMPONENTS

- Smart Tags
- Scanners Gateways
- BLE or UWB
- Web Application
- Mobile Application

### KEY FEATURES

- Manage and tracking
- Analytics & BI module
- Real Time Location Service
- Incident Reporting
- Alert Systems
- Notifications

### KEY BENEFITS

- Real Time Visibility
- Automatic Updates
- High-level Accuracy
- Automated Monitoring
- Increased Security
- Increased Productivity

	ALS Cloud	ALS Onsite
Easy Setup	✓	
Sustainable recurring cost	✓	
Highest Security		✓
Highest Security		✓
Email Notification	✓	✓
SMS Notification	✓	✓
Servers Required		✓
Offline RTLS		✓
Offline Maps		✓

### Live Tracking Indoor (Map View)

ALS uses RTLS Engine which determines the location of the tag by using a system of beacons. These beacons 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 map view enables a user-friendly view of all beacons within the facility on different floors.

### Live Tracking Indoor (List View)

The ALS Module is geared towards Management Systems applications, in which the processed data is presented in a web-based multilingual list format which displays all beacons under tracking and their recorded last seen position and time.

The screenshot shows a web application interface for 'Live Location Tracking'. It features a search bar with filters for Building Name, Floor Name, and Region Name, and a search button. Below the search bar is a table with columns: Building Name, Floor Name, Region Name, Check-in Region, Type, Name, Last Seen, and Location. The table contains three rows of beacon data. At the bottom, there is a pagination control showing 'Page 1 of 1' and 'View 1 - 4 of 4'.

Building Name	Floor Name	Region Name	Check-in Region	Type	Name	Last Seen	Location
Wadi Makka	Ground Floor	incubators	incubators	Beacon	123456789	482 Hrs, 47 Mins, 4 Sec ago	
Building Name A	Ground Floor A	Theater	Theater	Beacon	A0990010017	54 Sec ago	<a href="#">View</a>
				Beacon	A0980010022	27 Hrs, 16 Mins, 59 Sec ago	<a href="#">View</a>
				Beacon	0980010005	27 Hrs, 15 Mins, 30 Sec ago	<a href="#">View</a>

#### ALS USE CASES

- People Tracking
- Attendance System
- Asset & Inventory Tracking
- Asset Transportation Tracking
- AVL & Fleet Management
- IOT Sensor Based System

#### RELATED PRODUCTS

- Visitor Tracking
- Asset Tracking
- CoreBlu active tags
- Loris scanners/readers

## History and Dwell Time

Region Trail showcases the complete movement records of all beacons in various regions/zones of facility. Displaying dwell time information of a beacon movement. Providing a user-friendly method for tracking the movement of beacon or tag.

## Notifications

ALS comes with a variety of notifications that can be created and configured per the users' needs and requirements. The out of the box notifications system includes Geo Fence Notification, which can send an Email or SMS notification when an object leaves a predetermined area.

## Alerts

Alerts further strengthen the capabilities of ALS and showcases its ability to produce meaningful alerts. The out of box alerts includes SOS, Tamper & Movement based on different beacons and event occurring within the facility quipped with ALS.



## Graphical Mapper

ALS is equipped with a user-friendly "Graphical Mapper" tool for venue configurations and device settings management. With the help of this portal, customers can track the health of the device, create venues, floors, rooms and change their parameters.



making sense of tomorrow's smarter world

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