Situm IPS

The platform for indoor tracking and guidance with just a smartphone
Situm IPS is a multipurpose platform to develop APP’s with wayfinding for visitors, passengers and shoppers and solutions to track and monitor workforces and assets.
Benefits

- Reduces operational costs
- Optimizes processes and improves services
- Allows the generation of new revenues from geoinformation
- Allows an integral control of indoor and outdoor workforces
- Improves the security of facilities and workforces and the reaction to possible incidents
Components of the solution

**Dashboard**
To upload & configure building maps

**Mapping Tool**
To obtain geoinformation of uploaded buildings for its navigation

**REST API**
To integrate geoinformation in 3rd party solutions

**WYF Module**
Easy integration of wayfinding in APPs

**SDK**
To integrate / develop APP with location functionalities

**Wayfinding**
Real time visualization, analytics & configuration

**MRM Platform (Optional)**
Ready to use Resource Management Platform

**DEVELOPMENT TOOLS**

**Tracking**
To integrate / develop APP with location functionalities

**Rest API**
For 3rd party business or analytics solutions
The core technology of Situm IPS is an unique algorithm developed during ten years to provide indoor positioning by an smartphone, with high precision, minimal infrastructure and fast deployment.
Real Time Location Service / How it works

Existing signals in environment
- WiFi
- Magnet
- Bluetooth

Existing inertial sensors in smartphone
- Accelerometer
- Gyroscope
- Compass

AI algorithm
Multi-signal smart location

Indoor Positioning
Highest precision Minimal infrastructure

Wayfinding

Tracking
Real Time Location Service / Features

- Highest Precision: 1 - 5 meters
- Works Offline
- Compatibility
- Minimal Infrastructure
- Battery efficient
- In-pocket location
- Automatic Floor Detection

- No hardware required
- Lowest set up cost
- Fastest Deployment
- Non Intrusive
- No Maintenance
A complete panel to upload and configure buildings, define geopositioned events, visualize geolocations in real time, manage users and devices or consult analytics, among other functionalities.
An APP to calibrate buildings previously uploaded to the dashboard scanning its magnetic fields, Bluetooth & WIFI signals. It's also used to test navigation.
To integrate location in an APP designing your own navigation interface. Among other capabilities, allows to:
- Obtain information related to cartography
- Retrieve the location of the smartphone
- Compute a route from location detected to point B
- Trigger notifications when a user enters into an area.
For an easy integration of navigation and location in your APP through a library with visual components related to cartography, navigation, events and aesthetics customizations.
To retrieve data in third-party business or analytics systems, allowing to fetch all cartographic data, download the historic positioning data generated by users and recover the position of every visitor in your buildings in real time.
A ready-to-use multipurpose workforces and asset management platform for indoor and outdoor real-time localization, tracking and monitoring.
Situm in the real world

Transport & travel
Health
Facility Management
Retail
Corporate Buildings
Industry 4.0
Events
Other Verticals
Transport

Airports
Wayfinding and workforce tracking at Spanish, Peruvian and German airports.

Train stations
Workforce tracking at Basque Country’s Railway operator.

Shipping lines
Wayfinding POC in leading Spanish cruise firm.
Wayfinding in 5 hospitals and 2 medical centers of a leading healthcare group in Europe.

Wayfinding in 7 hospitals of the Spanish Public Health Service.

Wayfinding in 7 hospitals, including Mersin, one of the largest in Europe.
Facility management

Prosegur
Indoor and outdoor tracking of security agents worldwide.

PRM services
Indoor and outdoor tracking of PRM agents and customers in several airports from Spain.

Securitas
Indoor and outdoor tracking of security agents worldwide.
El Corte Inglés

Pilots for the leader in Spanish department stores to guide buyers and track employees.

Spanish malls chain

Wayfinding for shoppers in 10 malls of one of the leading real estate companies in Europe.

Carrefour

2 POCs in Alcobendas and San Fernando de Henares.
Wayfinding for employees in the parking at Telefónica headquarters.

Wayfinding for students and visitors in several campuses of the largest university corporation in Colombia.

Wayfinding in some of the largest office buildings in Madrid.
Forklift tracking in European factories to optimize processes.

Workforce access control in the seafood product distribution centre in the north of Spain.

Industrial vehicles tracking in factories of different clients in Spain.
Sports tracking at the biggest stadiums and pavilions in Spain.

Exhibitions

Visitors wayfinding and workforce tracking at tradeshows in Barcelona, Moscow, and other cities.

Live shows

Visitors wayfinding and workforce tracking at several live shows.
Situm IPS platform for indoor location based solutions developments.

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Situm in the world

+ 4,000 buildings
+ 2,000 developers
+ 40 countries