

TRACKING

Locate your luggage anywhere, at any time



INDUSTRY: Travel & Lifestyle
YEAR: 2017

THE CHALLENGE:

Develop a tracking system that executes accurate triangulation and provides precise location data, even where GSM signal is weak.

THE SOLUTION:

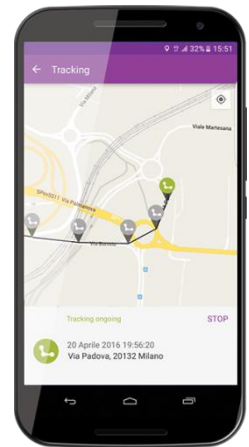
We designed, developed and implemented a brand new [Tracking Device](#) performing **wifi-based triangulation**.

The device:

- Locates items by connecting to the nearest wifi hotspots;
- Sends the exact position to the paired mobile device;
- Allows users to track all the item's movements;
- Allow users to set location-based alarms;
- Can be programmed to switched of under specific circumstances.

TECHNICAL SHEET:

- Wifi-based triangulation
- Dedicated firmware enabling management of all local functionalities;
- GPS, six-axis' accelerometer, WiFi included in the device hardware
- Communication implemented via GSM (SIM on CHIP)
- Implementation of different operational states to optimize power consumption
- Back-end integration, offloading the most processing-intensive operations
- Back-end functionalities enabling management of device activation and configuration



THE RESULTS:

Presented at Pitti Uomo 2017



Stetel is an Italian company developing mobile apps and software enabling the Internet of Things and Rich Communications.