

Track your Bags

Using Bluetooth® LE technology and Passengers Social Community

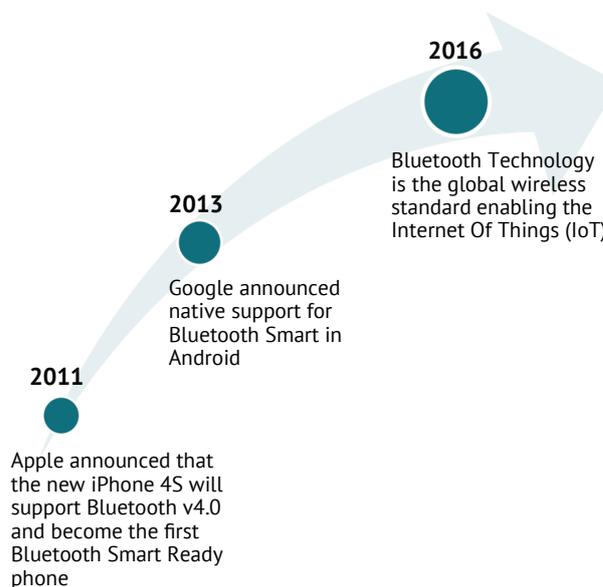


The last statistics say that there are around 6,5 mishandled bags per thousand passengers in 2015 (SITA, The Baggage Report 2016), with a cost for the aviation industry of around \$2.3 billion.

Even if the trend is positive - over the last nine years the number of mishandled bags has been reduced by 50% - from passenger point of view just one lost baggage is a very poor customer experience.

Technology can now help passengers, airline company and airport managing company to address and solve this issue in a very simple way.

Bluetooth® Low Energy (BLE) is a very low power consuming version of Bluetooth® wireless technology. Probably at the moment the most important application of BLE are the beacons: the small and cheap transmitters that, thanks to the low power consumption, can work for a long time before you have to change the battery. The beacons transmit a customizable message that can be detected by smartphone and fixed receivers.



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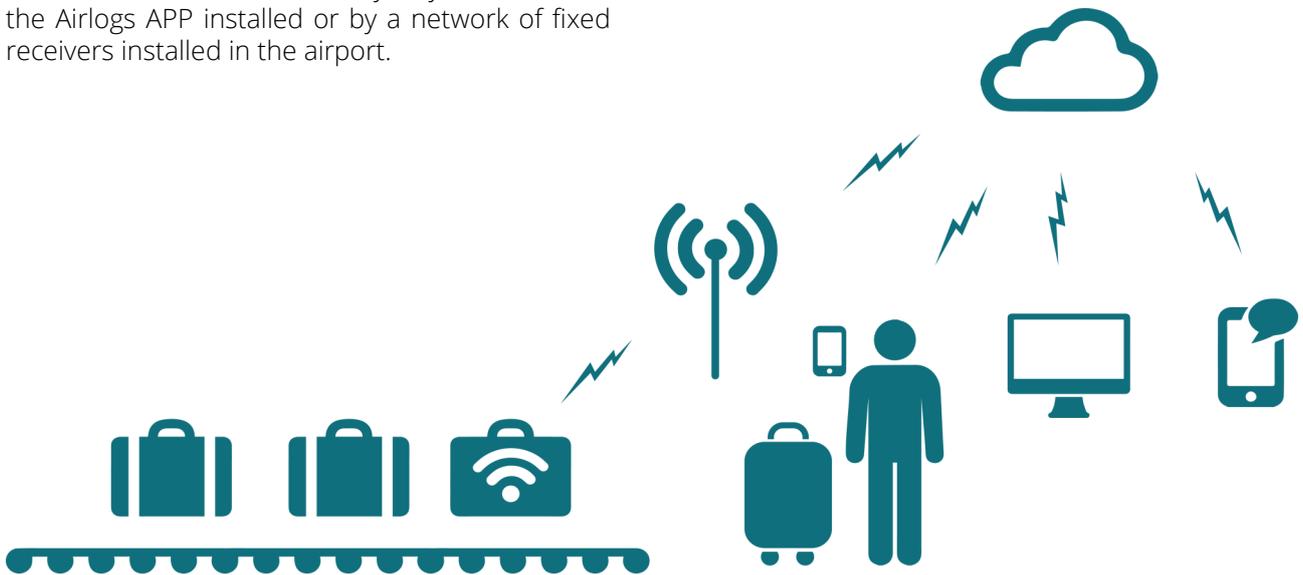
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Thanks to BLE technology the baggage tracking is very simple: just take an Airbeacon, install the **Airlogs Bag Tracking** on the smartphone and then put it inside the baggage.

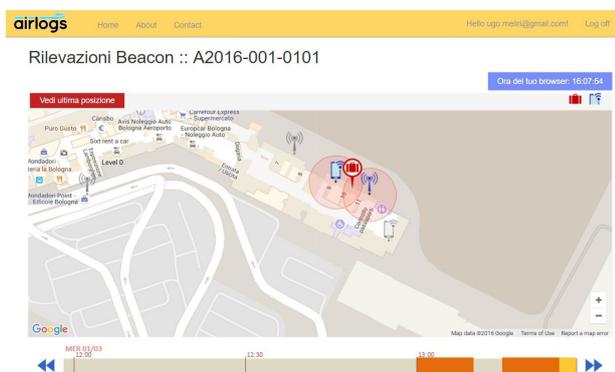
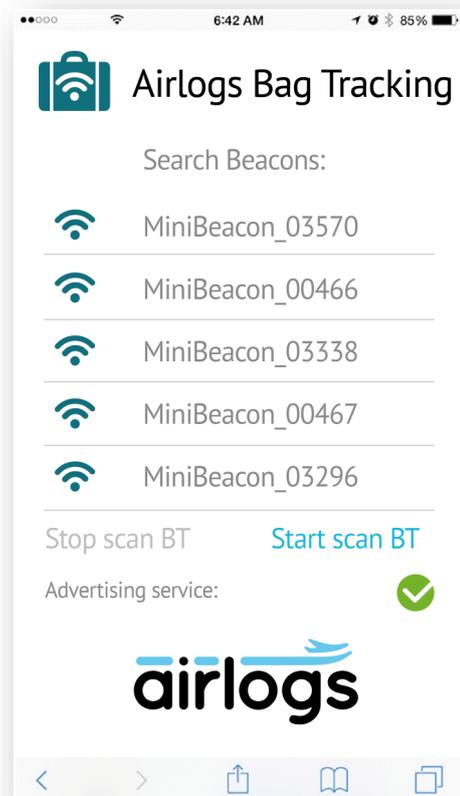
From this moment the signal transmitted by the Airbeacon can be detected by anyone else with the Airlogs APP installed or by a network of fixed receivers installed in the airport.

More passengers use the APP, more widespread is the service, building a crowdfinding community and making the bag tracking a social system.

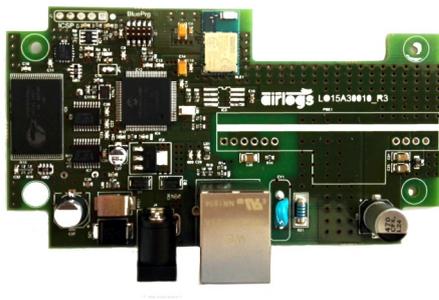


All the data coming both from smartphone and fixed receivers are collected on a cloud server.

When there is a detection, a message is sent to the server and then the owner of the Airbeacon receive a real-time notifications on its mobile device with the information of the localization of its baggage. More detailed information are also available, both on web and on App.



Airbeacon firmware has been designed and developed by Airlogs in order to implement a new protocol that optimize the communication between beacon and the receivers (APP and fixed antenna), make secure the transmission and minimize the time in which the Airbeacon is transmitting the advertising package.



To cover the area closed to public as Baggage Handling System and to boost the coverage in some critical area as baggage claim it's possible to install fixed receivers.

Airlogs have designed and developed a BLE receivers, with customized firmware, that is able to detect the Airbeacon and to transmit the location information to the cloud server.

Airlogs Technology

Airlogs in an innovative start-up of **2B Control-Logital Group**.

It assists companies to effectively use the most innovative technologies that will ensure significant competitive advantages.

Airlogs is also focused on researching and developing clever solutions by combining the unique and creative software applications with the design of critically responsive hardware products.

The team at Airlogs is composed of skilled and highly experienced individuals. They can easily develop and provide solutions towards addressing industry issues by relying on their expertise in innovative technologies. This is possible because they have the ability to understand the complex needs of customers and provide designs that are most suitable in providing long term solutions.

Hand Baggage
Weight & Size
Checking



Hold & Hand
Baggage Tracking



Cargo Shape Detection



Pallet Weight &
Volume
Measurement



2BControl Group 2018

From the experience gained both by LIGHTHOUSE and Logital born 2BControl, in order to enhance technological know-how and widespread presence in the world by creating a highly competitive and cutting-edge offer.

LIGHTHOUSE
Thinking Ahead. Staying One Step Ahead.

Geophysical, geotechnical,
environmental survey, positioning
provider



Vessel management

LOGITAL

Software and system integration

LOGITAL
DIGITAL MEDIA

Hardware and firmware engineering
and production

airlogs

Airport solutions for passenger and
cargo areas



2B Control World Network

2B Control Srl

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