People & object detection
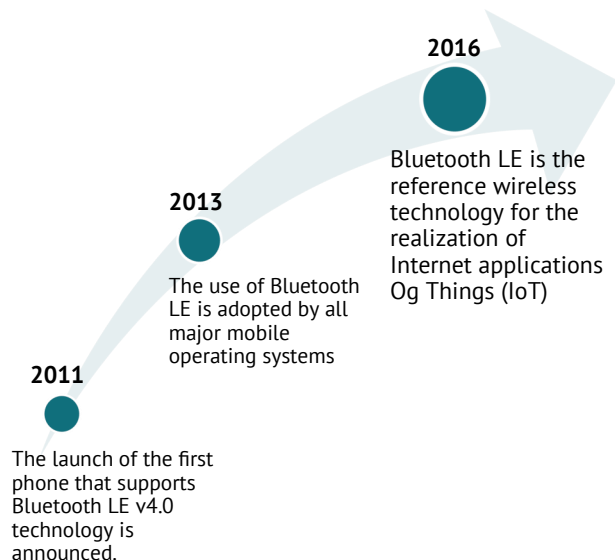
Using Bluetooth® LE and beacon technology

Guardian Tracking BLE

BLE technology has now established itself as one of the reference points in IoT applications. The Guardian platform natively integrates Bluetooth ® Low Energy into numerous modules, taking advantage of all its peculiarities in terms of transmission distance, low power consumption and low cost of the devices.

The BLE Guardian Tracking module offers the possibility to detect the presence in rooms or areas of people or objects equipped with a beacon, by displaying their presence on the operator consoles.

The BLE Guardian Tracking module is suitable for applications where position accuracy is not required but only the presence data, and also offers the advantage of being able to use the beacon virtualization on mobile devices, on which the operator can send permanent tokens or temporary.

2016

Bluetooth LE is the reference wireless technology for the realization of Internet applications Og Things (IoT)

2013

The use of Bluetooth LE is adopted by all major mobile operating systems

2011

The launch of the first phone that supports Bluetooth LE v4.0 technology is announced.

2B CONTROL

The application

Guardian Tracking BLE is a simple infrastructure that offers a wide spectrum of applications such as, for example:

Visitor monitoring: alongside the access control module, it allows each visitor to have a beacon, tracing his "visit" in real time inside the building, and allowing its availability;
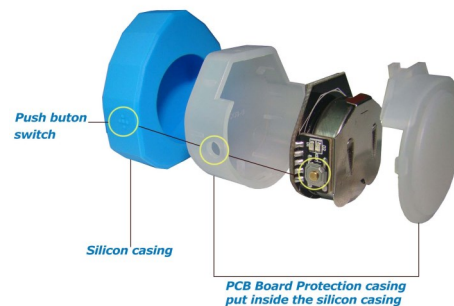
Control of moving equipment: by equipping a mobile device with a beacon, such as water cleaners, karts, hospital machines, it will be possible to know at any time in which room or area of the building they are, optimizing both operational and logistical aspects;

Logistics control: the use of beacon on pallets allows to know in real time if a given lot is present within an area, even if it is not possible to visualize it;

Personal control available: by equipping the staff with a wearable beacon, it is possible to have their location in real time, to optimize interventions.

Antenna BLE with TCP/IP Poe connection

Push buton switch

Silicon casing

PCB Board Protection casing put inside the silicon casing

Beacon model 1 with battery