

i-LOC RTLS



RTLS systems





i-ROOM Smartspot



High performance

i-ROOM Smartspots have great identification and localization performance due to enhanced antenna technology. Uniquely combining Bluetooth LE, UHF RFID and Wi-Fi to create powerful cross technology services and maximize flexibility.

Easy to mount

A design that fits the tone of the environment. Whether in offices, hospitals or industrial locations.

Multiple form factors to easily fit as a standard ceiling tile or on a wall box. If you can mount a bulb, then you can mount a i-ROOM Smartspot.

Plug-and-play

No need for new wires.

i-ROOM Smartspots only need power and IP and can be connected by a single Power over Ethernet cable.

Or just plug 110-230V AC or 6-15V DC and work wirelessly over Wi-Fi.

Power

Packed with state-of-the-art technologies including RFID, Bluetooth Low Energy and iBeacon. Supporting passive and active tags including Bluetooth LE Smartphones.

Ease

Substituting complexity by simplicity.

Automatic configuration and auto-tuning means installation and integration in a minute.

Design

Pure, distinctive and energy efficient.

Focusing on the core functions and eliminating what you don't need.





MATTEO Brain



PRESENCE & PROXIMITY

Provides actual information on the presence of an item and its proximity.

Indicates whether an item is currently present or has been present in the hot spot area

Provides time stamps on the first moment of presence as well as the last update.

Bluetooth LE support

Spots will detect presences based on Bluetooth Low Energy beacons. These presences will appear transparently on the presence service on the MATTEO Brain API.

PASSING DIRECTION DETECTION

If something or somebody moves along a (dual or triple antenna) spot, the system triggers a 'passing' event.

This event includes the 'passing direction' with a time stamp and accuracy level.

SENSE & CONTROL

Sense & Control is a rule based service that runs 'autonomous' on a spot. This allows third parties to bring their own advanced logical functions on the spots.

With this enhanced rule based engine users can easily deploy logical behavior on a spot based on internal and external 'sense' events and 'control' events.

Some examples:

- Activate an external output to open a door if the new present item is on a white list.
- Add the nearest item to an internal list and activate the internal beeper for confirmation.
- If an item that becomes present is part of a list then activate a beeper.
- If the current presences list does not contain item X, activate an event.

TRACK & TRACE

Provides a time schedule of locations where a particular item has been present.

This includes time stamps of the first moment of presence and the last moment of presence.

POWERFUL SERVICES TO BUILD APPLICATIONS IN LESS TIME





RTLS systems

Variety of use cases



Where's my infusion pump?



Wandering!



Which bed is available?



How many uniforms?



Where's my transport trolley?



Which desk is free?



A lot of hospitals have to deal with indistinctness about where medical assets like beds, IV poles, transport trolleys and blood pumps are.

This takes a lot of extra search time when there is an emergency case for example. Using **i-LOC** identification and localization technology, an inventory of the assets can be easily created and made available.

This gives information about where the medical assets are, how many there are and what the planning is of where these assets have to go and where they are used.

