

URBIOTICA

Urbiotica designs and develops next-generation wireless sensor systems. The projects implemented in more than 45 countries position it as one of the leading technological companies in the development of smart solutions based on sensor systems.

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Collaborating member of the Smart Destinations Network



FASTPRK: MANAGEMENT OF PARKING SPACES RESERVED FOR CHARGING ELECTRIC VEHICLES

Electric vehicles play a key role in sustainable mobility as opposed to combustion engines, so it is becoming increasingly common to find parking spaces reserved exclusively for charging electric vehicles. These spaces play a key role for the majority of these users due to the lack of other charging options nearby.

This solution enables users to be guided directly to free places and remotely alerts the surveillance services when an infringement occurs and an unauthorised user parks there.

Benefits:

- The identification and control of users parked in each space helps to reduce violations in these places
- The control of authorised users reduces fraudulent use of the spaces and offers more parking opportunities to those who really need them
- Authorised users have information on where to find available parking spaces, giving them a better experience when travelling
- The real-time visualisation of alerts allows the optimisation of control operations, permitting the prioritisation of areas with more violations

The system includes:

- U-Spot M2M parking sensors installed in each parking space
- An app for authorised users through which they must state their use. It also provides information on the availability of free spaces.
- Control app managed by the supervisors
- U-Admin web platform for improving the system
- API for integration into any third-party system

How does it work?

The user parks in a space reserved for electric vehicles. The U-Spot M2M sensor detects their arrival. The user confirms that they have parked in a specific space via the app, indicating the space number. If the user does not send this notification or they exceed the maximum time limit, an alert will be sent to the supervisor. When the car is moved from the space or if the session is managed by the supervisor, the alert disappears and the space remains monitored. The manager can configure and monitor all the activity via U-Admin.

Scope of smart destination application

**Technology
Sustainability**

Solutions for destinations in the following areas



Type of solution

