

## NEW REAL-TIME SPACE OCCUPATION MANAGEMENT SYSTEM

### Description:

The limited number of positions in training centers, libraries, computer rooms, etc., but also in parking areas, and similar or equivalent spaces for both people and vehicles, generates the need to efficiently and effectively manage the occupation of said spaces. Current systems are based on imaging, laser or ultrasound technologies to determine if a place, beyond having been previously reserved or not, is occupied or available. In the present invention, the system, in addition to indicating where there are free spaces, is able to proceed to remote online reservation through the mobile devices of potential users (smartphones, mainly), and allow the management of on-site occupancy in real time .

### Keywords:

[Space Management](#), [Online Booking](#), [Parking](#), [Bim](#), [Smartphones](#)

### Sectors:

[ICT](#), [Engineering](#), [Transport](#), [Tourism](#), [Culture and Education](#), [Others](#)

### Areas:

[Industrial](#), [Communications](#), [Technological Improvements](#),  
[Infrastructures](#)



### Advantages:

The present invention not only solves problems related to the management of the occupation of spaces, but also does so in a simple and versatile way with respect to the alternatives included in the state of the art, many of them too specific or dependent on the type of spaces or potential occupants of these. In addition to controlling occupied spaces in real time, it would act to manage space reservations through mobile devices.

### Uses and Applications:

Technology linked to the area of new technologies in the infrastructure sector. Specifically, this invention relates to the field of real-time space occupancy management and, more particularly, to the management of space reservations and the monitoring of their availability.

**Patent Number:** ES1279760Y

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**Filing Date:** 20/11/2018

**Protection Level:** National (Spain)

**Processing Status:** Spanish utility model