

Smart Parking System

Use cases

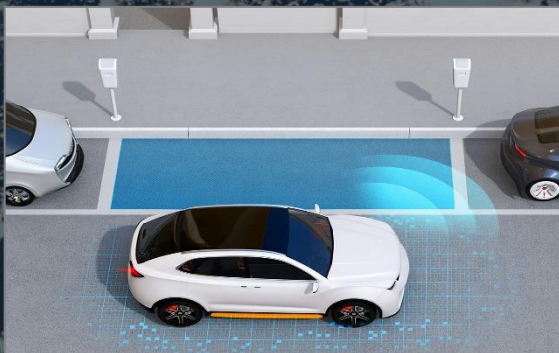


Reducing congestions and vehicles emissions

By showing the available parking spaces in real-time, the driver is immediately aware of the destination and spends less amount of time in the traffic searching for a free parking spot.

Monitoring utilization of e-vehicle charging stations

By having available all the historical data on the occupancy of each parking space equipped with e-vehicle charging stations, the time between parking and un-parking can be optimized and user time violations can be tracked.



Autonomous car parking

Autonomous cars will be able to connect to the cloud services to discover available parking spaces in the surroundings of the destination area.

A multitude of sensors

ILCS Technology for the Smart City

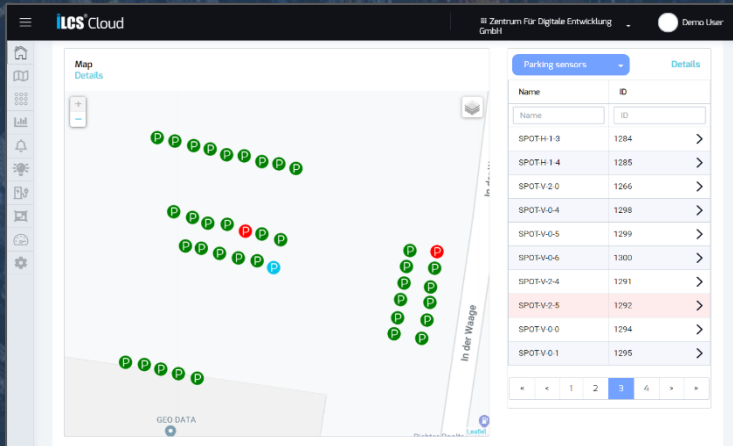
Adopting a state-of-the-art wireless mesh network, the Intelligent Light Control System (ILCS) not only provides real-time control of the entire street lighting infrastructure, but also offers a flexible solution for easy integration of a wide set of Smart City features, such as the Smart Parking System.

The modular structure of ILCS is able to aggregate a variety of sensors from different manufacturers, also combining different kind of technologies for parking detection, such as magnetometers, radars and optical sensors, without the need of additional connectivity infrastructures.





iLCS Cloud platform



User friendly interface

iLCS Cloud dashboard and menu system has been designed to simplify the control and management of the entire installation.

User account and permissions

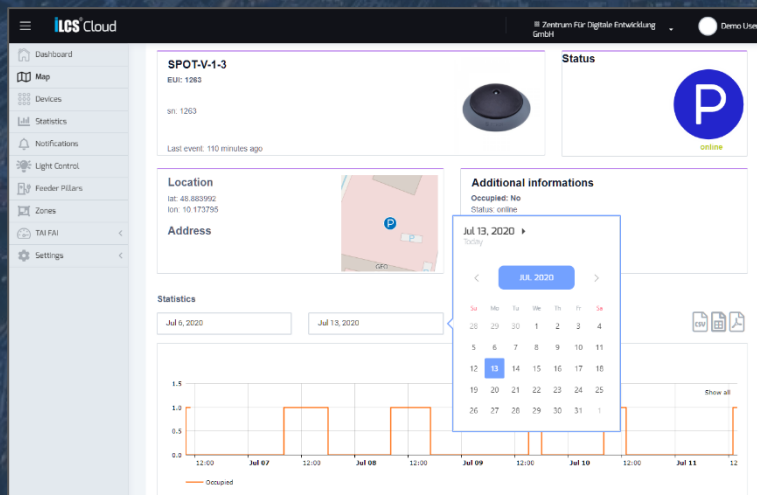
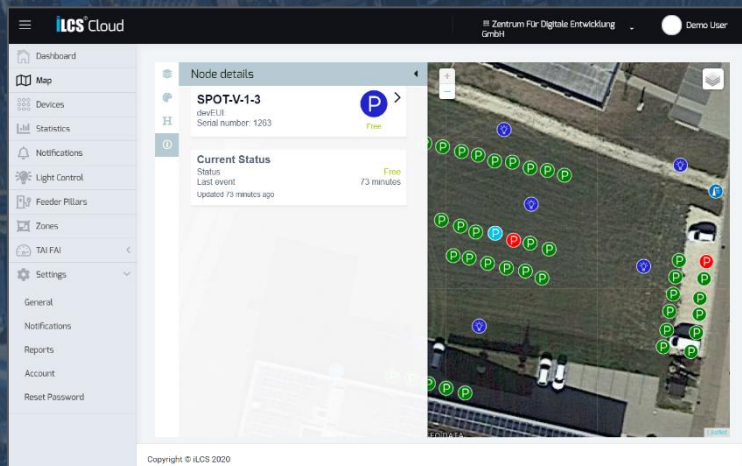
Data are stored securely on the cloud database and can only be accessed with the user credentials, with defined level of permissions.

Multiple installation monitoring

iLCS Cloud allows to view all the installations associated to the user in one place. Moving between them requires just one click.

Map location and real time status

Parking spaces are visualized on the map, enabling an easy localization, and are intuitively colored according to their actual status of occupation.



Extended device details

iLCS Cloud offers a complete and flexible set of tools to read the parameters and check the device status and communication.

Export report to file

The platform allows to draw the historical data from each sensor, with configurable starting and ending date, and to export all the collected measurements to file.