



Wireless Parking System



The **LORA** wireless parking system is designed to provide information about the availability of places in outdoor parking lots.

The system is composed by the following elements:

- Lora wireless magnetic detectors (**LOMAG**) to install in each parking place
- Lora wireless gateway (**LOGAT**) to collect data from the detectors
- A local control unit with a CPU and a software to retrieve data from the gateway and send them to the central control server and software
- A central control server and software (cloud) for data analytics and reporting

The system is very accurate in the monitoring of free spaces in on-street and off-street parking lots.

The great advantage of the wireless solution is the ease and speed of installation. The **LOMAG** sensors are powered by Lithium batteries that last from 5 to 8 years, so there is no need for cabling.

Every sensor sends the information about the vehicle presence on his place to the gateway. Thanks to the modern IoT communication technology **LORA**, each **LOGAT** gateway can manage 150 **LOMAG** sensors on a range of 150 m for in-ground mounting and 300-400 m for surface-mounting.

COMARK can provide a complete solution that includes the local control units to receive data from the gateways and a central software (Cloud or private) providing a dashboard for system management and data reporting.

