

PERFECT SOLUTIONS FOR TRAFFIC SYSTEMS



# M2M Parking Sensor



**NB-IoT Magnetic Field Sensor  
Technology**

Outdoor Single Space Detection

# Digitalization of Parking Spaces in the Outdoor Area



The M2M ground sensor is a wireless parking sensor that continuously measures the earth's magnetic field changes generated in parking spaces by vehicles. If the magnetic field changes significantly with respect to the sensor calibration value, this is transferred directly using the standard 3GPP protocol "NB-IoT" to the cloud without a gateway via the cellular

network. Here, the information is processed in order to determine in real time the data of the parking process.

The sensor technology is suitable for any outdoor parking space and can be installed in the middle of the parking space or laterally positioned at the curb / sidewalk without removing the parked vehicles.



## Your benefits

- Automated monitoring
- Push notification in case of parking process
- Ground level mounting possible
- Visualisation of data in real time
- Cost-effective components
- Suitable especially for small / isolated parking spaces



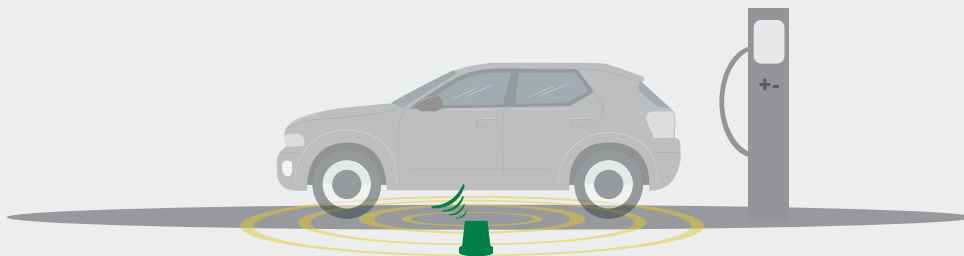
M2M Sensor



## Applications

- Parking spaces for people with handicaps
- Charging stations for electric vehicles
- Access routes for ambulances and fire brigades
- Special parking spaces for hospitals and cabs
- Loading zones for trucks or vans
- Places with low capacity, e.g. admission offices, city halls

### Digital detection of parking spaces



**INFORMATION FOR OPERATORS**  
SCADA software (PGCC),  
also as mobile version



**INFORMATION FOR TRAFFIC**  
Parking status via  
dynamic shields

P	3	4	5	528	↑
P	6			X	→
P	7	8		008	→



**INFORMATION FOR USERS**  
Parking status via app  
or navigation



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