

Electric vehicle charging stations parking system

An Intelligent parking Management System for charging stations

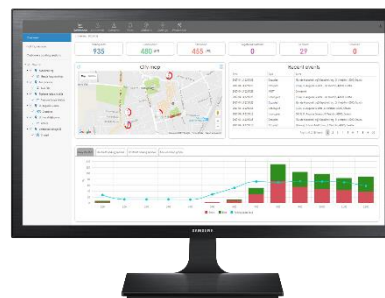
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Product description

Parking system for EV (Electric Vehicle) Charging station is based on MagSense parking sensors -- a 3-axis magnetic field sensor. The sensors are controlled by 3DTC WiGo controller device. Detection loop consists of magnetic field sensors and robust cable connected via high-speed data BUS. Compact sensor size enables embedding detection loop into the pavement utilizing the micro-trenching method. The system provides fast, accurate and reliable vehicle detection regardless of traffic, weather and surface conditions. The

system requires minimal maintenance, as remote (Over-the-Air) sensor software and firmware upgrade is supported. Easy integration into existing infrastructure makes the system suitable for use in EV Charging stations.



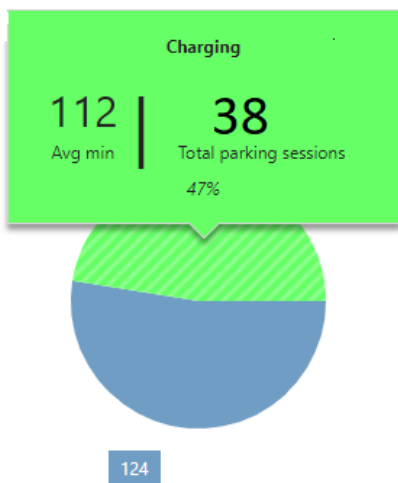
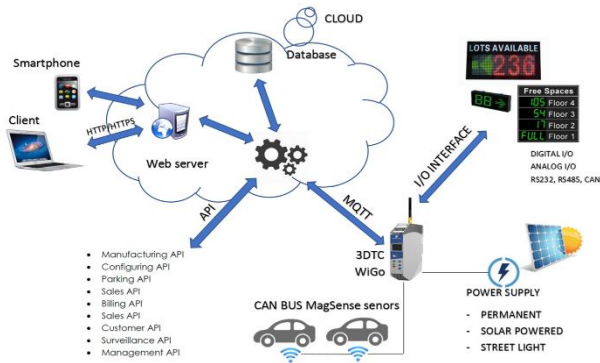
Benefits

- Real time parking information and statistics 24/7
- Minimal maintenance costs
- Integration with existing systems as charging stations, displays and existing parking management system
- Customer guidance to the nearest charging station parking spot via a mobile application
- Publicly accessible charging infrastructure

Features

- Fast, accurate and reliable vehicle detection regardless of traffic, weather and surface conditions
- Less demanding installation compared to competing solutions
- Easy installation within the existing infrastructure
- Extremely low power consumption
- Easy integration with existing IT infrastructure such as charging station management system and/or parking guidance systems
- Complimentary Web portal for parking management
- Data can be processed on the server and relayed to the dynamic display panels
- Over-the-air sensor software and firmware update supported

System overview



Technical specifications

System power supply	12 - 35 V DC
Cable diameter	9,2 mm
Sensor dimension	110 mm x 13.5 mm x 9 mm
Sensor current consumption	10 mA @ 16 V
Sensor interface	CAN bus, 125 kbps
Detection	Magnetic field detector
Sensor protection	IP 67
Sensor installation	Embedded into the floor/ground, or road surface; on the ceiling of the floor below
Snow plowing resistant	Yes
Detection accuracy rate	99%+
Sensor operating temperature	-20 to +75 °C
Max sensors per controller	80
Max cable length	200 m

