![Nedap mobility solutions logo]

SENSIT ✶

WIRELESS
PARKING SENSORS

**VEHICLE
DETECTION**

HOW IT WORKS

PARKING SENSOR → **RELAY NODE** → **DATA COLLECTOR** → **CLOUD BASED SERVER** → THIRD PARTY REPORTING, GUIDANCE AND ALERTING SYSTEMS
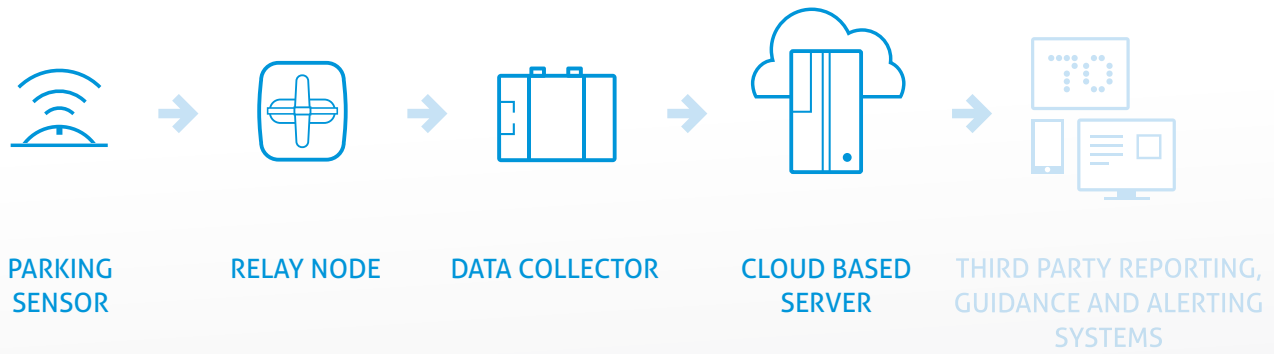
REAL-TIME PARKING INFORMATION

MEET SENSIT

The SENSIT platform consists of a network of wireless in-ground parking sensors that detect the real-time occupancy status and parking duration of individual parking bays. This data enables smart parking in any Smart City, ITS or retail environment. SENSIT optimizes parking utilization, reduces emissions and guarantees a fast return on investment.

WHERE APPLIED

SENSIT is specifically designed for:

- **guidance:** guiding cars, busses and trucks to available parking bays fast and efficiently.
- **enforcement:** providing real-time data and alerts to monitor the (ab)use of single parking bays.
- **retail:** improving the shopping experience by guiding customers to the nearest available parking bay.

HIGHLIGHTED REFERENCES

SMART CITIES WORLDWIDE
Guiding motorists to the nearest available parking space in cities like Dubai, Kortrijk and Verona.

NEXT PLC, UK
Improving the shopping experience for customers of international retail brand.

BENEFITS

REAL-TIME VEHICLES DETECTION THROUGH WIRELESS, DURABLE SENSORS

REDUCING SEARCH TRAFFIC, THUS CO_2 EMISSIONS

DUAL TECHNOLOGY (INFRARED AND MAGNETIC) PROVIDES HIGH ACCURACY

COSTS
REVENUES
REDUCE OPERATIONAL COSTS AND INCREASE REVENUES

SEAMLESS AND FLEXIBLE INTEGRATION INTO THIRD PARTY SYSTEMS

PRODUCTS*

SENSIT PARKING SENSORS

SENSIT in-ground parking sensors with infrared and magnetic technology detect in real-time whether or not a parking bay is occupied. The robust and weatherproof sensors are mounted in the surface of individual parking bays. Additionally, the build-in battery ensures an unmatched sensor lifetime. Using a LPWA network, SENSIT sends parking data to the cloud server (SENSIT Interface Software) fast and efficiently.

SENSIT INTERFACE SOFTWARE

The SENSIT Interface Software (SIS) collects, filters and evaluates all sensor data. This cloud server provides a user-friendly overview of the system and allows for easy network segmentation, calibration and sensor configuration. The well documented SIS API enables easy integration with parking guidance systems, parking enforcement software and smartphone apps. The SIS forms the basis for additional services and functions such as data analysis, planning and management of e.g. e-loading, truck and disabled parking bays.

SENSIT IR

In-ground parking sensor with dual detection technology (infrared and magnetic) for high accuracy.
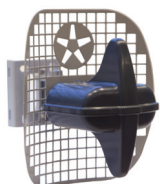
SENSIT FLUSH MOUNT

Parking sensor for flush mount installation with the road surface, making it resistant to snow ploughs.

SENSIT SURFACE MOUNT

Parking sensor designed for car parks where drilling is not allowed, as it is glued onto the surface.

RELAY NODE

Battery powered, wireless network amplifier. Ensures a fast data transfer to the Data Collector.

DATA COLLECTORS

Sends real-time occupancy data from Relay Nodes to cloud server (SIS) using TCP/ IP or GPRS communication.

E-PARKING LICENSE

Digital parking license for designated parking spaces. Available as app and in-vehicle device.

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