nedap | identification systems

THE SMART WAY TO PARK

| vehicle detection

FINDING A FREE PARKING SPOT NO LONGER DRIVES YOU CRAZY*

CITY OF THE FUTURE

Experts predict that the number of motorized vehicles in heavily populated areas will rise significantly in the next 30 years - and with it, pollution and traffic congestion. One way to resolve these problems is for city planners to embrace optimized parking solutions with an eye toward creating a viable city.

SMART PARKING

Drive through virtually any city and it is immediately clear that the majority of parking is on-street. To find a spot, motorists must cruise the roads in a time-consuming and often frustrating search that may take them far from their actual destination.

SENSIT from Nedap enables clever parking technology that optimizes traffic flow.

REDUCE THE MOTORIST FRUSTRATION

Motorists are often forced to make quick (and sometimes hazardous) decisions when they see a parking space. SENSIT helps reduce stress levels by providing real-time guidance for vehicles, making a trip into the city more of a pleasure.

SENSIT

| by Nedap

OPTIMIZE PARKING UTILIZATION

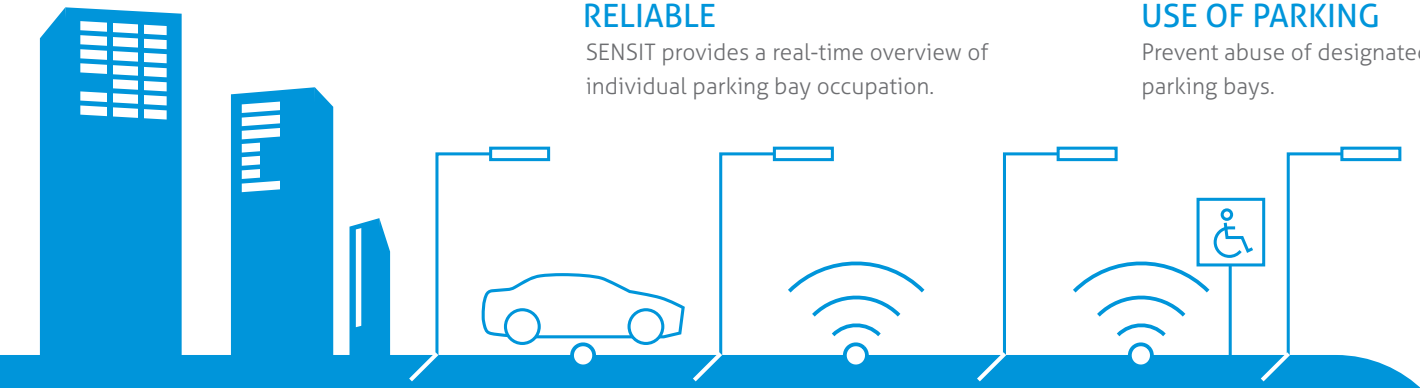
Create an accurate vision for future mobility in your city by relying on SENSIT's accurate traffic management information. By reporting on average actual parking time and the location of vehicles today, SENSIT will help improve your city's infrastructure for tomorrow.

REAL-TIME AND RELIABLE

SENSIT provides a real-time overview of individual parking bay occupation.

AUTHORIZED USE OF PARKING

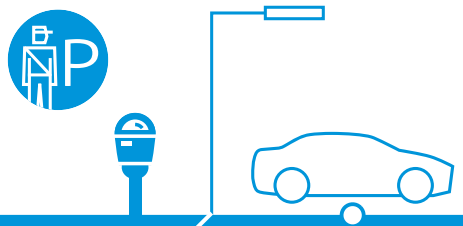
Prevent abuse of designated parking bays.



REAL-TIME DETECTION OF VEHICLES

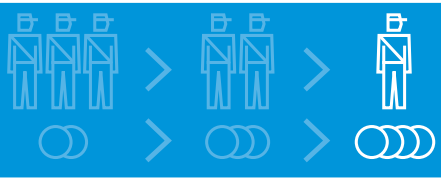
EFFICIENT SURVEILLANCE ROUTES

Locate cars that have overstayed their welcome without stretching your workforce too thin: SENSIT uses real-time data to optimise surveillance routes, thus reducing operational costs and increasing revenues.



REDUCE OPERATIONAL COSTS

INCREASE REVENUES



LOCATE CARS THAT HAVE OVERSTAYED THEIR WELCOME

IT'S PARKING, ONLY SMARTER*

VEHICLE DETECTION OPENS A WORLD OF POSSIBILITIES

SENSIT consists of a network of wireless vehicle detection sensors that report on occupation of each individual parking spot. This parking occupancy system provides reliable, real-time data for:

- guidance, to limit traffic congestion
- alerting, to prevent abuse of parking spaces
- reporting, to optimize parking utilization

BENEFITS ALL

Motorists experience less stress and get in and out the city quickly. Local authorities enjoy the increase in traffic flow, the decrease of emission and the optimized return on capital parking investment. Car park operators enjoy the increase of revenues against less enforcements costs.

AT WORK IN NUMEROUS APPLICATIONS WORLDWIDE*

PARKING GUIDANCE

SENSIT facilitates smooth traffic guidance in all situations where parking is an issue, such as city centres, shopping areas, airports, universities and hospitals.

TRUCK STOP PARKING

To help them maintain strict travel and rest times, SENSIT informs truckers of free parking spots along their route; it even shows the availability of warehouse loading docks.

DETECT SECURITY RISKS

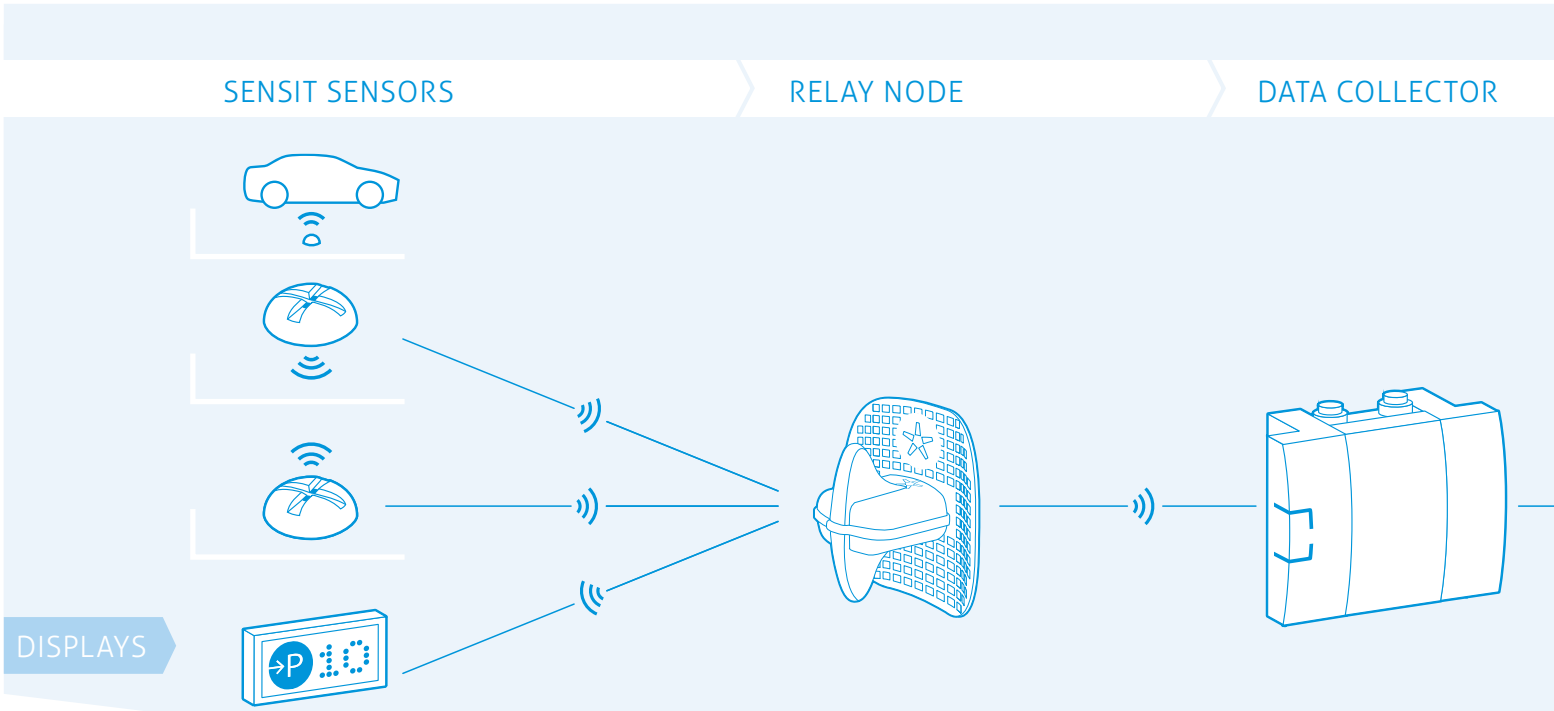
SENSIT detects when vehicles are parked in restricted areas and instantly alerts security personnel.

OVERSTAY ENFORCEMENT

SENSIT provides direct guidance via a digital overstay alert that simplifies and optimizes enforcement in time-limited areas, such as loading/unloading zones, kiss & ride/fly areas and blue zones.

ELECTRONIC PARKING (E-PARKING) LICENSE

Nedap's E-Parking License complements the SENSIT system. The E-Parking License registers specific parking spaces for pre-registered vehicle groups (permit holders, disabled, or VIP). When a vehicle parks in an E-Parking License bay, this electronic device registers itself. The SENSIT sends a notification if the parked car does not have a valid license.



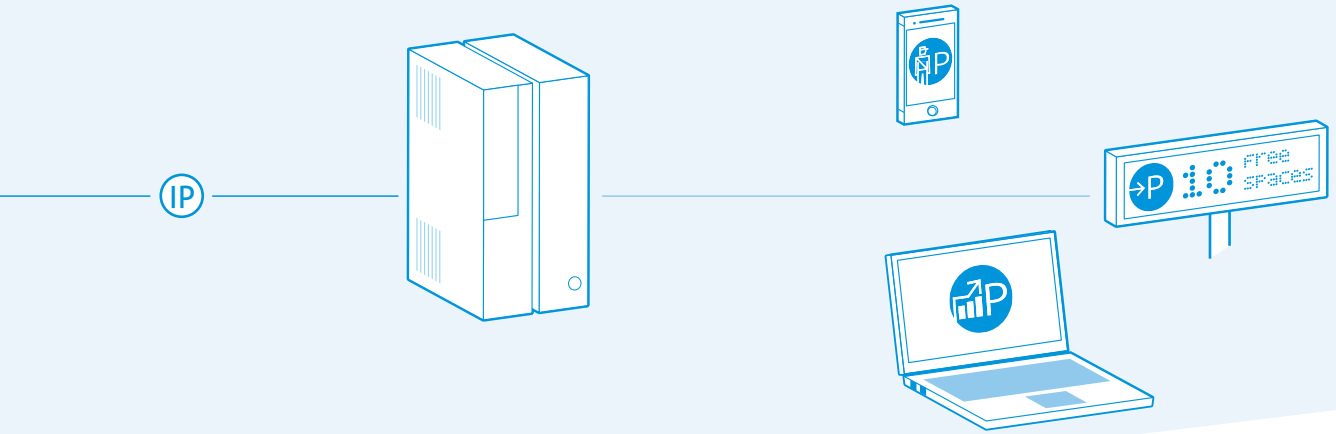
SENSIT: HOW IT WORKS*

SENSIT's dual detection technology offers an impressive performance that is unmatched in the industry, even in extreme weather conditions.

Detection of occupied parking spaces by wireless sensors, mounted into each parking space and powered by an internal battery that has a lifetime of up to seven years. Together they form a mesh communication network that wirelessly transmits information with centrally mounted relay nodes; occupancy level information is then sent directly to the central parking system. Actual information can be integrated into third party parking guidance, enforcement and management systems.

SERVER

REPORTING/GUIDANCE/ALERTING



ACCURATE SENSORS

Each sensor uses both an infrared eye and a magnetic sensor to detect vehicle presence, making output more reliable. This dual-sensor technology and a special detection algorithm ensure the high accuracy of occupancy detection.

SENSIT STANDARD

mainly applied in on-street parking

SENSIT FLUSH MOUNT

applied to resist snow ploughs

SENSIT SURFACE MOUNT

mainly applied in off-street parking

WIRELESS VEHICLE DETECTION*

| Why choose Nedap SENSIT?

ROBUST SYSTEM

Parking sensors are endurance-tested and can withstand heavily loaded vehicles and high volume traffic. The hardware is designed to detect different types of vehicles in on- and off-street applications. The most reliable real-time wireless mesh network in the world.

SWIFT INSTALLATION

Most parking solutions are labor intensive and expensive to install, require an external power source and must be connected to the electrical grid. Not so with SENSIT: Easy to install, SENSIT is completely wireless, thus requiring very little construction work and battery powered.

EASY INTEGRATION

SENSIT technology can easily be implemented into any existing car park management system and seamlessly integrated with pay and display machines, parking and traffic guidance systems and enforcement applications. Rapid deployment is guaranteed.

YOUR TECHNOLOGY PARTNER*

| Nedap Identification Systems

SECURING THE FLOW

Nedap is leading specialist in systems for long range identification, wireless vehicle detection and vehicle entrance management. We offer Identification Systems* and Mobility Solutions* that optimize, monitor and control traffic flow of vehicles and people. Safe, secure and efficient. Nedap Identification Systems offers a full range of innovative products that combine leading edge technology with quality resulting from over 30 years of RFID experience.

MARKET LEADERSHIP OF DUTCH ORIGIN

Nedap Identification Systems is part of Nedap N.V., headquartered in the Netherlands. Nedap designs and develops intelligent, sustainable technological solutions for themes that are relevant to the modern society. It is Nedap's ambition to offer "Technology that Matters".

WORLDWIDE SALES NETWORK

Nedap Identification Systems has offices in the United States, Italy, Dubai and Singapore. Our skilled business partner network is spread across the globe. We continuously work hard to make sure that the best commercial and technical support is also available in your local market.

Find out more at www.nedapidentification.com

nedap | identification systems

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