

SHORT-STAY PARKING ZONES IN CITY CENTER OF KORTRIJK

The Belgian city of Kortrijk has introduced innovative "Shop & Go" zones in its historical centre. Visitors who need to run a quick errand or suppliers who are delivering packages are able to use a free short-stay parking solution. Shop & Go bays, equipped with a wireless parking sensor, offer these drivers half an hour of free parking. In these zones a wireless parking sensor is applied at every single parking space. Floor mounted sensors, an innovative solution from Nedap, detect in real-time whether or not a single parking bay is occupied and how long it has been occupied.



Shop & Go is part of the new parking policy in Kortrijk. It offers visitors running a quick errand the opportunity to park near the shop. Loading and unloading is also allowed in these parking spaces. This solution was introduced due to the inefficient use of load and unload spaces, especially during peak times, as well as the growing request for short-stay parking areas in the city centre.

Parko, Parkeerbedrijf Kortrijk, was determined to find a high-end parking solution that enables multiple use of short-stay parking zones. The stated preconditions were: visitors experience a high level of comfort, improvement of administration and supervision efficiency, and minimum operating costs. The wireless parking sensor system from Nedap offers Parko the perfect solution.

The new parking concept is installed at the Doorniksestraat and at the Grote Markt. Shop & Go enables visitors and suppliers to use the parking spaces free of charge for half an hour. A parking sensor is mounted in every single parking bay to detect the presence of a vehicle. To prevent abuse the

short-stay zones are maintained by parking attendants. When a car occupies a parking space for more than thirty minutes, the parking attendants are informed. The message includes the number of the parking space containing the vehicle in overstay, so the attendant can take targeted action.

Parko, Parkeerbedrijf Kortrijk, is responsible for the full on and off street parking infrastructure in Kortrijk. The Dutch technology company Nedap is the developer of wireless parking sensor system SENSIT which detects vehicle occupancy at every single parking space. Real-time parking information can be used to guide traffic effectively, to improve the utilization of parking capacity and to manage parking enforcement more efficiently.

Update, Januari 2014: **Kortrijk receives Smart City Award**

The city of Kortrijk has been awarded as Smart City as result of the implementation of intelligent "Shop & Go" short-stay parking bays. The Smart City Award is an initiative of the technology federation Agoria and the Belfius bank in Belgium. The aim of the award is to explore how to realize the city of the future; a sustainable smart operating city.

Update, Februari 2014: **Kortrijk rolls out sensors in entire city center**

After being introduced successfully last year, Kortrijk now has decided to roll out short-stay parking zones in the entire city center. Nedap is selected to make this happen, which is a conclusion after an industry tender. Real-time parking data will be used to monitor the usage of on-street parking bays. To guide traffic effectively, to improve the utilization of the existing parking capacity, as well as to manage parking enforcement more efficiently.

Smart parking with Nedap SENSIT

A clever sensor technology is available to make on-street and off-street parking spaces easily findable for motorists. This high-tech system, called SENSIT, is developed and manufactured by the Dutch company Nedap. SENSIT consists of wireless parking sensors which detect in real-time whether or not a single parking bay is occupied and how long it has been occupied. Real-time parking information results in less congestion, reduction of emissions and safer streets and thus a more attractive city for visitors.

For almost twenty years Nedap is considered an expert in advanced and effective solutions for vehicle identification and vehicle detection. SENSIT was awarded for its product innovation at Intertraffic Amsterdam in 2006. Since that day Nedap has been focusing on designing the most accurate sensor hardware and the most reliable communication network using wireless sensor nodes. Intensive field tests, held by authorities of major cities, conclude that SENSIT offers the most robust and accurate sensor hardware and the most reliable communication network for outdoor parking available in the industry.

Nedap has designed the solution to be easily integrated with third party systems for parking guidance and traffic management systems, way finding apps and enforcement equipment that are used by major cities all over the world.