

NEDAP AND HECTRONIC IMPROVE PAID PARKING

Hectronic has chosen Nedap's wireless parking sensor system SENSIT for integration with its CityLine parking management software. With this solution, real-time parking occupancy and parking duration data from the sensors on street can be monitored closely. The purpose of this innovative parking system is to increase the utilization of existing parking spaces and to make parking in a city more attractive for visitors. The first installation has recently been applied for the hospital of Münsterlingen in Switzerland.



SENSIT, developed by the Dutch company Nedap, 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. This technology as well as the communication network has been specifically designed for on-street and outdoor parking applications in cities. The real-time data from floor mounted bay sensors is now integrated with Hectronic's parking management system CityLine. With this solution parking information can be used for guidance motorists to free spaces, for reporting on parking utilization as well as for efficient and effective enforcement of paid parking zones.

For parking guidance, Cityline transmits information about the number of available spaces to the guidance signs located along the streets in cities or along main access aisles of parking lots. When a driver parks, the vehicle occupancy is detected by the parking sensor and the status change is retrieved to the CityLine system. Once parked, the visitor can start the parking session at the Hectronic pay and display machine Citea which is positioned near the parking bay. This parking information will be sent by CityLine to Hectronic's web based parking enforcement application. When a vehicle exceeds the chosen duration of parking the app will start a buffer time. When a vehicle is in overstay the parking enforcement will receive an alert and he or she can be directed to the specific parking bay.

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Hectronic has developed a smart phone app for motorists which makes parking spaces easily findable and which makes the parking payments process efficiently. This application, also connected with the CityLine system, informs visitors about parking availability and can also be used to start and end a parking session, including the payment, remotely.



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.