

# RTA UNLEASHES SMART PARKING PROJECT IN DUBAI

The Roads and Transport Authority (RTA) in Dubai has unleashed the initial phase of the Smart Parking Project covering controlled parking at Al-Rigga and the World Trade Center areas. This project has been implemented by Energy International Corporation, Dubai, U.A.E. Nedap's smart parking sensors were implemented in Al-Rigga Area to provide real-time parking information.

## Roads and Transport Authority

The Roads and Transport Authority (RTA) is responsible for planning and providing the requirements of transport, roads & traffic in the Emirate of Dubai. As part of the authority's efforts to provide smart services to residents and visitors, the Smart Parking Project was initiated. This project offers a new service whereby information about the number of available parking spaces in on-street & off-street public parking areas is provided using dynamic message signs and RTA smart phone app. Nedap's SENSIT, the smart parking platform, was implemented to provide this information of individual parking spaces in real-time.

## Smart parking sensors

Nedap's SENSIT system consists of smart parking sensors which detect the vehicle occupancy status and duration of parking events at individual parking spaces. These smart parking sensors use dual-detection technology, combined magnetic and infrared, to ensure the most accurate vehicle detection measuring. This real time occupancy information of sub-zones in Rigga area is displayed in the RTA app. It also allows payment of parking fees without the additional charge for SMS.

Besides using the real-time occupancy information in the RTA app, the number of available parking spaces are also displayed in Arabic and English on dynamic message signs on the streets.

Thanks to this project, motorists visiting the areas no longer need to drive around randomly looking for parking — they will now know exactly where the available spaces are, thus saving valuable time and resulting in reduced traffic congestion and pollution.

## 2000 sensors installed

Engr. Maitha Mohammed Bin Adai, CEO of RTA's Traffic and Roads Agency: "The RTA has completed the link of the central system with the basic

*components of the project in public parking in Dubai as well as multi-level parking terminals and Dubai Mall car parking. Phase I of the link has been completed according to the planned timeline. The RTA has fully completed the project works at Al Rigga following the installation of about 2000 smart parking sensors. The project is tailored to the needs of road users in view of the growing requirement of the public for using effective technological devices in dealing with the parking service. The project assists in providing information about the status of the parking slots to motorists before driving to those areas. It eliminates the traffic congestion resulting from the search for a parking slot."*

Providing this excellent parking service is aligned with RTA's vision of Safe and Smooth Transport. It contributes to realizing the authorities' strategic goals: Smart Dubai and People Happiness.



[Energy International](#) specializes in end-to-end service integration, project management & contracting for city-wide parking and public transportation infrastructure development.