

EN

Urban Access & Parking: Urban Road User Charging.



always one step ahead

Urban Road User Charging.

Municipalities around the world have to manage traffic congestion growth in urban areas. Citizens expect a right to unrestrained mobility. This often leads to situations where mobility is in fact severely curtailed, as everyone jumps into their cars and contributes to traffic overload.

Mobility is indeed a right and a necessity, for both economic and social reasons. Intelligent mobility management encourages travelers to take a more considered view on travel habits. Urban Road User Charging is most effective in managing congestion in urban areas. Singapore, London and Stockholm already use demand management schemes based on virtual boundaries. It is also possible to charge for time spent within an area, for distances traveled, in real time by varying the price to travel according to congestion levels prevailing at any one time, by vehicle category or emission class.



Roadside Solution for urban environment



On-Board Unit: TRP4010

Urban Road User Charging is interoperable with all urban demand management solutions. The roadside solution is based on ANPR (Automatic Number Plate Recognition) technology, which provides a proven and effective solution for both charging and enforcement.

It also incorporates DSRC (dedicated short range communication) to maximize accuracy and reliability. Certain vehicles, such as emergency services or buses and taxis can be exempt.

The charging and automatic enforcement function are done by the same camera. ANPR technology, which combines the charging and enforcement functions of an effective scheme, is a most cost-efficient means of doing this as it reduces both capital equipment and operational/maintenance outlays.

Urban Road User Charging: Benefits.

- simple to understand and easy to use
- possibility of bonus schemes
- revenue can support public transport
- more parking spaces
- better accessibility of the area charged
- shorter travel time
- less congestion
- highly effective to reduce traffic

Choose Urban Road User Charging by Kapsch.

- interoperability with all urban demand management strategies
- multi-lane free-flow (MLFF) capability
- proven technology
- readily available
- aesthetic design
- minimal, unobtrusive street furniture
- no need for manual enforcement
- registration via web or SMS
- multiple payment options for users



Kapsch's Urban Road User Charging in Bologna was recognized by the European Commission's Directorate General for Mobility and Transport to become a European best practice in 2012 in Intelligent Transportation Systems. In 2011 and 2012 the Singapore Land Transport Authority awarded Kapsch for demonstrating next generation city congestion charging and electronic road pricing in Singapore. Kapsch installed an innovative solution based on satellite and 5.9 GHz technology for congestion charging in the dense urban environment of Singapore city.

Kapsch TrafficCom.

Kapsch TrafficCom is a provider of intelligent transportation systems (ITS) in the application fields of road user charging, urban access and parking, road safety enforcement, commercial vehicle operations, electronic vehicle registration, traffic management and V2X cooperative systems. We cover the entire value creation chain of our customers with end-to-end solutions. From components and subsystems to their integration and operation. Our core business is to design, build, and operate electronic toll collection systems for multi-lane free-flow traffic.

Kapsch Group.

Kapsch is one of Austria's most successful technology corporations, specialized in the future-oriented market segments of Intelligent Transportation Systems (ITS), Railway and Public Operator Telecommunications as well as Information and Communications Technology (ICT). Kapsch. Always one step ahead.

Kapsch TrafficCom AG | Am Europlatz 2 | 1120 Vienna | Phone +43 50 811 0 | Fax +43 50 811 2109
 Email ktc.office@kapsch.net | www.kapschtraffic.com | www.kapsch.net

www.kapsch.net