

EN

Urban Access and Parking: Low Emission Zone.



always one step ahead

Low Emission Zone.

Congestion and emission increase as the numbers of vehicles on our roads grow and can lead to unpleasant environmental conditions. They can have serious long-term health effects. If mobility cannot or must not be reduced, it has to be made cleaner.

A lot of urban traffic management strategies only reroute congestion and pollution elsewhere, rather than reducing them.

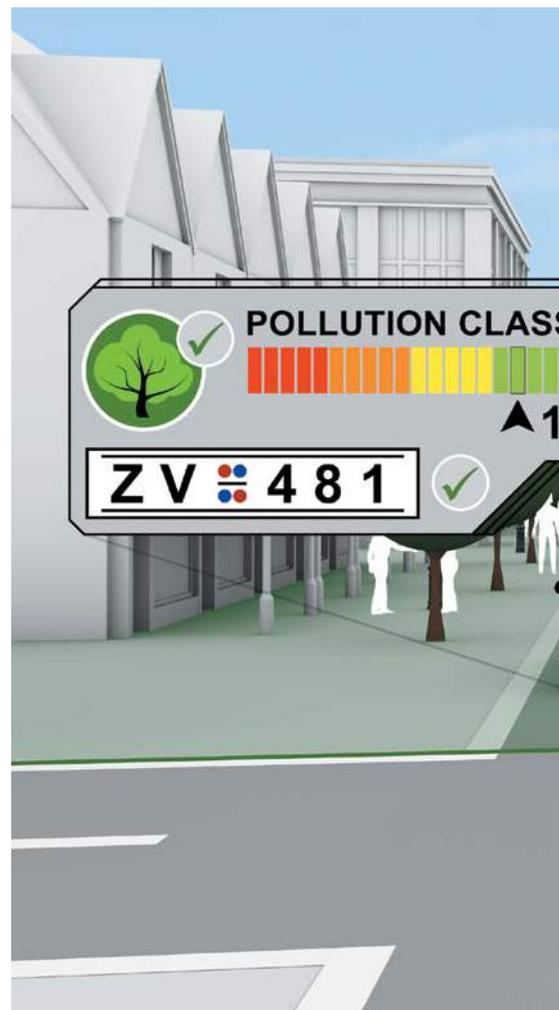
Access management is one solution but a complementing strategy is to introduce Low Emission Zones which are also known as Environment Zones. Only lesser-polluting vehicles or those below a certain weight may be permitted to enter certain geographically defined areas free of charge. Should others attempt to access, they can be charged. Low Emission Zones are able to recognize all vehicle categories.



Roadside Solution for urban environment



On-Board Unit: TRP4010



Kapsch technology can monitor any size of Low Emission Zone. ANPR (automatic number plate recognition) camera technology combined with a back office provides a cost-efficient electronic enforcement of Low Emission Zones.

Vehicle details, such as their registration number and owner, make, model and emissions class, can be used to register if or when a vehicle enters an area of interest. There are many possibilities for non-resident users to pre-register, if they want to use a Low Emission Zone.

Italian cities including Roma, Bologna, Ravenna, Como, Cremona, Torino and Piacenza have achieved considerable pollution reduction through Kapsch urban solutions.

Low Emission Zone: Benefits.

- possibility of bonus schemes
- more parking spaces
- higher mobility
- less congestion
- less noise
- less air pollution
- better accessibility
- demand management policies meet all strategic needs

Choose Low Emission Zone by Kapsch.

- interoperability with all urban demand management strategies
- turnkey, end-to-end solution
- unrivalled flexibility
- proven technology
- aesthetic design
- minimal, unobtrusive street furniture
- multiple payment options for users
- registration via web or SMS
- no need for manual enforcement



In Bologna the absolute traffic number was reduced between 23% and 31%, depending on the time of the day. Particle matter emissions were reduced by 47%. Bologna was recognized by the European Commission's Directorate General for Mobility and Transport to become a European best practice in 2012 in Intelligent Transport Systems.

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