ITS IZMIR
IN FIGURES

- **TRAFFIC CONTROL:** 400 intersections
- **TRAFFIC DETECTION:** 209 traffic points
- **PARKING:** 60 navigation boards
- **ON-STREET PARKING:** 2000 road sensors
- **PAVIS:** 116 monitoring locations
- **TRAFFIC VIOLATION:** 100 locations
- **INFO PANELS:** 108 variable message boards
- **ROAD WEATHER SYSTEMS:** 30 stations
- **PEDESTRIAN ZONES:** 107 bollard sets
- **PUBLIC TRANSPORT PREFERENCES:** 1500 vehicles
- **TRAFFIC CONTROLL CENTER:** 9 x 6 m video wall

The project was realized by the joint-venture of **CROSS Zlín** and **AŽD Praha** between 2014 - 2017.

Product highlights:
Traffic light controllers **CROSS RS 4S**
Full-featured traffic control center **eDaptiva®**
Parking violation system **CROSS Pavis**
Smart city platform **Invipo®**

CROSS Zlín
Hasičská 397, Louky | 763 02 Zlín | Czech Republic
Tel.: +420 577 110 211 | E-mail: info@cross.cz
www.cross.cz

www.itsizmir.com

ITS IZMIR
A complex SMART CITY project

The city was altogether implemented with over 3000 smart devices and the whole system is monitored and managed in 24H mode from the new modern control centre.

The benefits can be seen in the everyday lives of the people in Izmir, who save tens of minutes on their daily journey to work.

Illegal parking has been reduced due to the new Parking violation system installation. Thanks to red light transit detection and speed measurement devices, the roads are safer. New information boards improve traffic flow and notify about current weather conditions, warnings and travel times. Their usage is constantly expanding.

FULLY ADAPTIVE
TRAFFIC SYSTEM

The fully adaptive traffic system significantly improved transit throughout the city, where over 400 CROSS RS 4S traffic light controllers drive junctions.

This system is supplemented by 209 traffic counters with travel time modules and 110 CCTV cameras for traffic video monitoring. The whole system is set up for the preference of city public transport, fire trucks and ambulances. At the moment, there are 1500 buses, 164 fire trucks and 100 ambulances connected into this system.

Due to the adaptive traffic control system installation, the situation in the city has improved radically. The travel time has been shortened by a third in particular sectors and in some cases by more than a half.

Travel time has been improved by 50 %

PARKING
IN THE CITY

Parking in the city is now more organised thanks to the installation of 2000 parking sensors for the monitoring of parking space occupancy on streets in downtown and integration of 107 bollard sets for pedestrian zones and 17 parking houses with 7000 places into the Invipo® Smart City platform.

Drivers are informed about parking capacity on more than 60 new information boards to help find parking spaces easily.

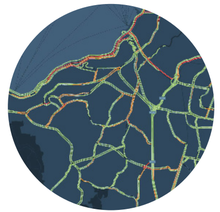
2000+ monitored parking spaces and 17 parking houses with sophisticated navigation

HIGHER
SECURITY

For higher security on the roads and in the city, not only is the camera system and red light violation detection system installed, but also devices for speed and over-height measuremet systems.

116 unique facilities CROSS Pavis have been installed for automatic detection of illegal stopping and unauthorised standing.

Free passages for all city road users



THE SOPHISTICATED
INFORMATION SYSTEM

Izmir is a smart city using a unique City Dashboard. You can now easily see and control how your city works, explore the traffic situation, check free spaces where to park or just watch how the city is going right now.

The system informs drivers and visitors via 108 variable information boards about actual data regarding traffic, travel times, accidents and closures but also shows the actual weather from the 30 installed meteorological stations.

More than 200 info boards inform citizens for example about the public transport timetable and next departure of city ferries.

CROSS eDaptiva® traffic control centre for 400 intersections and primarily the Invipo® Smart City platform allows communication and interaction with all smart devices in the city.

The whole system generates a big quantity of statistical data, which is used for the better functioning of the city and cost saving. The city of Izmir is a good example of how the Smart City on Big Data concept could function in practise. The whole system is driven and managed in 24H mode from the new modern control centre.

All important outputs for citizens are also available in mobile application "IZUM".

Smart City on Big Data concept powered by Invipo®