



GOOD JOURNEY INNOVATIONS

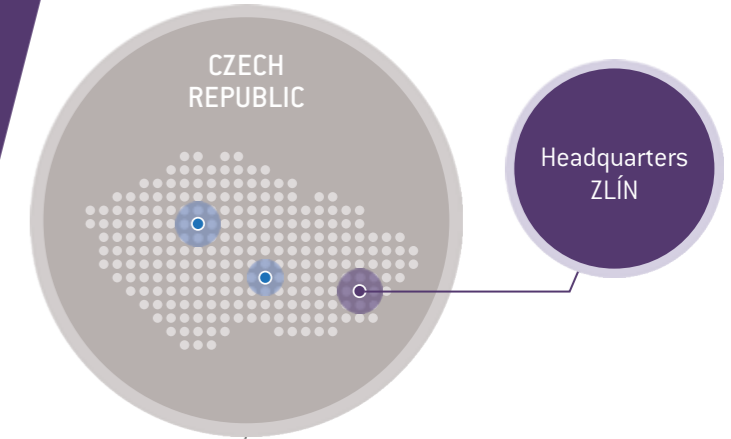
ROAD TRAFFIC TECHNOLOGY

CROSS Zlín



VISION

To be the leader in the development and implementation of modern traffic technologies. To deliver the best services, technologies and world-class products to our partners and customers.



For 25 years CROSS Zlín has been engaged in a complete development and manufacturing of top-of-the-range technological elements for smart traffic infrastructure and ITS. CROSS capabilities include development, manufacturing, delivery, installation, system integration, and maintenance of top technological components. CROSS belongs among the biggest Czech-owned companies in the field of developing and production of traffic technology. All products (hardware and software) are developed and produced in-house with own sources.

The company product lines cover a wide range of road traffic technologies. They include traffic control products, traffic detection and weigh-in-motion technologies, road weather and winter maintenance support systems, traffic violation systems, and finally pro-export oriented parking and payment systems.

Founded in 1994 CROSS has become a steadily growing and profitable private company. The company HQ and the main manufacturing and development facility is located in the city of Zlín – in the eastern part of the Czech Republic. Company branches are located in Prague and Velke Mezirici. CROSS is a holder of the ISO 9001:2008, ISO 14001:2004, OHSAS 18001:2007 quality system certificates.

CROSS OptiWIM won the **Intertraffic Innovation Awards 2018** in **Infrastructure category**.

ITS Izmir project won the **Smart City Service Award 2017** in Korea.

The Invipo a Smart City platform, won the main prize of **Intertraffic Innovation Awards 2016** and also dominated the category of **Smart Mobility** in Amsterdam.



- CROSS headquarters
- CROSS branches
- CROSS installations

MISSION

We aim to establish better road traffic quality using modern technologies. Our priorities are security and efficiency of personal and product transportation.

CROSS PRODUCT OVERVIEW

TRAFFIC CONTROL

Complete systems and hardware for intelligent traffic control in the cities, including traffic light controllers and traffic controlling center for complex monitoring and adaptive traffic management.



CROSS RS 4 – traffic light controller

CROSS RS 4S – traffic light controller

eDaptiva* – full-featured urban traffic management center

eDita* – maintenance and programming software

TRAFFIC DETECTION

Modern systems for traffic counting and vehicle classification based on inductive loops and Bluetooth technology. Traffic flow monitoring and travel time calculation.



CrossCount – traffic counter and classifier

BTTT module – Bluetooth traffic detector, travel time prediction

Cross RSU (Road Side Unit) – universal unit for telematics data collection and transfer

WEIGH IN MOTION

Advanced and progressive Weigh-in-Motion system. It measures the weight of vehicles moving high-speed while utilising loop detectors, combined with road sensors and a core WIM module. CROSS software enables on-line measurement, immediate validation, and also direct enforcement.



CrossWIM – dynamic weighing unit with a system for direct enforcement; certified measuring device

#OPTIWIM* – the most precise system for dynamic weight assessment

ROAD WEATHER

System for monitoring and forecast of weather conditions on roads as well as in cities. It enables a complex solution and multi-level options for intelligent winter road maintenance management.



CrossMet – road and urban meteorological stations

METIS – advanced road weather information system

SSWM – maintenance decision support system

WMI – Winter Maintenance Performance and Cost Analysis

PARKING SYSTEMS

A complete solution for outdoor parking areas, urban parking zones, garages or parking houses. All devices are integrated into a system for parking management and control including payment terminals for 'off-street' and 'on-street' parking.



CrossPark – automatic barrier parking system

CROSS APTM – automatic payment terminal

CROSS APTL – payment station

TRAFFIC VIOLATION

Solutions for the elimination of illegal stopping and parking on the streets of city centers. Solution for evaluation of authorised or unauthorised entry and transit through areas with regulated traffic.



CROSS Pavis – parking violation system

CROSS Avis – entry and transit detection

INVIPO®

A platform that enables visualisation and integration of solutions for smart cities and intelligent road network.

SELECTED REFERENCES



Parking System CrossPark
USA, Cleveland



Road Weather
CrossMet, METIS
Czech Republic



Fully Adaptive Traffic Management
Turkey, Izmir



Travel Time
Czech Republic, Zlín



Dynamic Traffic Control
Bulgaria, Sofia



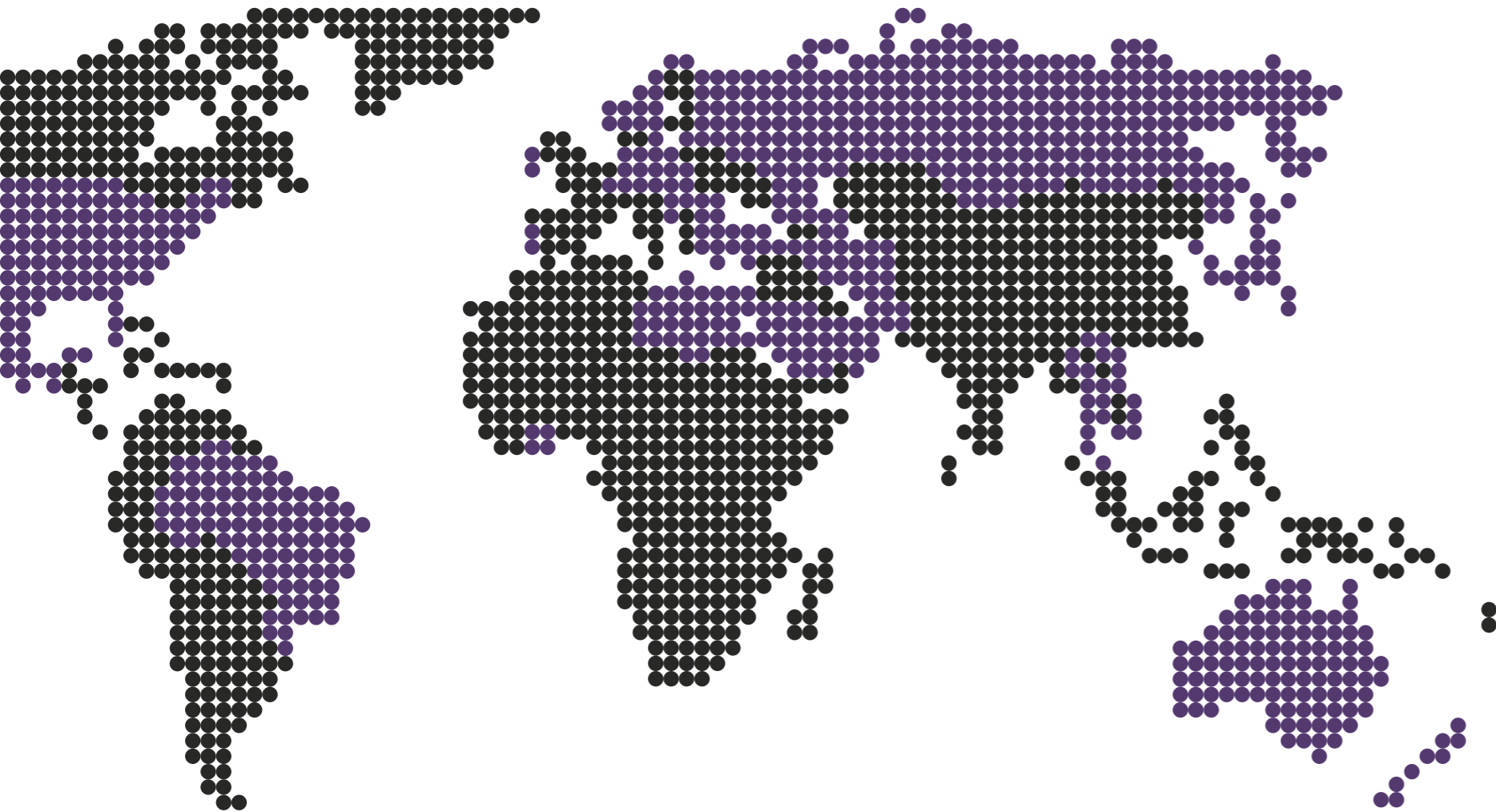
Parking System CrossPark
Czech Republic, Brno, DOMINI PARK
The winner of the Car Park of the Year 2018 contest



Dynamic Weigh-in-Motion CrossWIM
Qatar, Doha



CrossWIM to Protect the Bridges
Japan, Osaka



Dynamic Weigh-in-Motion CrossWIM
United Arab Emirates, Dubai



Parking System CrossPark
Greece, Thessaloniki



Traffic Control
Brazil, Niteroi



Other references
CROSS



ISO 9001:2008



ISO 14001:2004



OHSAS 18001:2007

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