

CROSS HOLDING

The company dates back to 1994 and set out by installing systems comprising stand-alone traffic light controllers. We have grown and diversified ever since to the extent that our staff now carry out major Smart City and road projects all around the world. Enabling smooth, safe travel for everyone is the goal of CROSS - a family-run business - and the team it employs.





VISION

To be at the forefront of developing and implementing innovative traffic technologies. To deliver world-class services, technology and products to our partners and customers.

WHY CROSS?

- State-of-the-art technology
- In-house R&D
- Experts and transport engineers
- Wealth of real-world experience

CZECH

- Customized solutions
- Flexibility

1994

BEGINNING OF THE STORY

200+

EMPLOYEES

50+

DEVELOPERS

500+

Ing. Tomáš Juřík

CEO

MILLION CZK **IN REVENUE**

The advanced technologies we develop in-house at CROSS are applied in everything we do -ITS and Smart Cities projects, Traffic Control, Parking, Weigh-In-Motion, Road Telematics and Road Weather status. We have specialists on hand for consultation capable of discussing a potential project of any scale, covering all the bases - from A to Z. An important factor for

clients is the knowledge that any state-of-theart proposal from us will be interoperable with the software or hardware they already have in place and can be customized to suit the given application. Systems by CROSS have been installed in locations from Japan to Brazil, Norway to Tanzania with the aim of keeping traffic moving whatever the local conditions.

CROSS HOLDING:

CROSS Zlín, a. s. | Incinity, s. r. o. | Lab Systém, s. r. o. | Cross Türkiye | Cross Deutschland | Spinnea



INTERTRAFFIC INNOVATION AWARDS 2018



INTERTRAFFIC INNOVATION AWARDS 2016



INTERTRAFFIC INNOVATION AWARDS 2016 Winner in the Smart Mobility category



SMART CITY SERVICE AWARD 2017



MISSION

We aim to improve conditions for road-based travel through applying the latest technologies. Our priorities are safety and the efficient traffic flow of all vehicles and freight.

PRODUCT OVERVIEW

www.cross-traffic.com

WEIGH IN MOTION

An advanced and progressive Weigh-in-Motion system for weighing fast-moving vehicles in combination with loop detectors, road sensors and a core WIM module. CROSS software enables online measurement as well as immediate validation and enforcement.



www.optiwim.com

CrossWIM dynamic weighing unit with a facility for direct enforcement

#OPTIWIM® certified as the most precise system for assessing dynamic weight

TRAFFIC CONTROL

Complete systems and hardware for intelligent control of traffic in cities, including traffic light controllers and control centres for comprehensive monitoring purposes and adaptive traffic management.

000

CROSS RS 4 traffic light controller

CROSS RS 4S traffic light controller

eDaptiva® full-featured urban traffic

management centre

maintenance and programming

software

PARKING SYSTEMS

A complete solution for parking in garages or car parks. Every device is integrated with a system that control, including payment terminals for off-street and on-street parking.



CrossPark parking system with automatic

barriers

CROSS APTM universal payment terminal

CROSS APTL payment terminal lite

ROAD WEATHER

A system for monitoring and predicting weather conditions on roads and in cities. It can be extended to form a comprehensive solution with numerous options for intelligent management of wintertime road maintenance.



www.metis4.com

CrossMet road and urban meteorological stations

METIS advanced road weather information

system

SSWM system to aid decision-making in road

maintenance

performance of wintertime maintenance and cost analysis

TRAFFIC VIOLATIONS

Solutions for eliminating illegal stopping and parking on the streets of city centres. Systems for evaluating authorized or unauthorized entry and transit in areas where traffic is regulated.



CROSS Pavis parking violation system CROSS Avis entry and transit detection

DATA COLLECTION

State-of-the-art systems for classifying and counting vehicles, based on inductive loops, cameras or radars. The ability to monitor traffic flow and calculate travel times.



CrossCount traffic counter and classification device

Travel Time traffic detectors and unit for traffic module flow monitoring and predicting travel

times

CROSS universal unit for collecting and ControlUnit transferring telematic data



www.invipo.com

COMPREHENSIVE SMART CITY PROJECT

ITS: **SMART TRAFFIC SYSTEM**

Izmir is the third largest city in Turkey, the administrative centre for its province and home to almost 4 million inhabitants.

CROSS was tasked with supplying and installing infrastructure that included traffic lights, equipment for detecting and monitoring traffic flow, parking violation systems, meteorological devices to gauge weather conditions on roads and other technologies for its transition into a smart city. In total, over 3,000 individual items were incorporated in the system, which communicates on-line with Invipo - the Smart City platform.

TRAFFIC CONTROL: 400 intersections TRAFFIC CONTROL CENTRE: 9 x 6 m video wall PRIORITY FOR PUBLIC TRANSPORT: 1,500 vehicles PARKING: 60 navigation boards ON-STREET PARKING: 2,000 road sensors INFO PANELS: 108 digital message boards



ITS IZMIR was awarded the Smart City Service trophy



PEDESTRIAN ZONES: 107 sets of bollards **ROAD WEATHER SYSTEMS:** 30 stations PAVIS: 116 monitoring locations TRAFFIC VIOLATIONS: 100 locations DATA COLLECTION: 209 traffic points

www.itsizmir.com

REFERENCES

references



CONTINENTS

55

COUNTRIES

1000+ SATISFIED CUSTOMERS



Hungary

Network of 106 Weigh-in-Motion stations



Czech Republic

Road weather national system



St. Petersburg, Russia

Traffic control on Vasilievsky Island



Saudi Arabia

Weigh-in-Motion



Mošnov, Czech Republic

Comprehensive airport parking



Aarhus, Denmark

Cloud-based urban traffic control system



Data collection, network of 200 CrossCount stations



Czech Republic

Weigh-in-Motion for direct enforcement



CROSS Zlín, a. s.

Tel.: +420 577 110 211

E-mail: info@cross.cz



www.cross-traffic.com