Smart Traffic Solutions

T-1 traffic controllers and the TRAFCONNECT and TRAFCENTAR software platforms, in synergy with advanced AI/ML analytical sensors and equipment, provide a new perspective in the management, planning, and maintenance of smart traffic infrastructure.

Advanced Traffic Analytics

High-resolution traffic video cameras provide reliable detection of motor vehicles, cyclists, and pedestrians, while enabling advanced analytics, origin–destination (OD) matrix generation, and comprehensive traffic performance measurement.

They deliver all key parameters required for real-time traffic management as well as planning and simulation of new traffic solutions and projects.

The complete software environment is built on modern technologies, enabling direct access from traffic control center workstations as well as mobile devices.

This ensures seamless connectivity between field maintenance teams, traffic management centers (operations), and infrastructure owners.

Remote Programming

Our systems can be fully programmed remotely in predefined time windows during periods of minimal traffic impact, ensuring maximum operational safety.

Graphical Reporting

At any time, users can generate comprehensive operational reports for a single intersection or an entire traffic corridor, including traffic volumes and quality metrics, detector and signal status snapshots, and synchronized video stills.

Reports are presented in clear graphical form and can be exported in all standard formats.

Native IP Architecture

Network connectivity is provided via mobile communication technologies (telecom), fixed fiber-optic infrastructure, copper lines (SHDSL), or specialized radio communication protocols.

Our custom VPN architecture enables secure integration of distributed field nodes into a unified system using the public internet as a communication backbone. All data exchange is protected by modern, industry-standard security technologies.
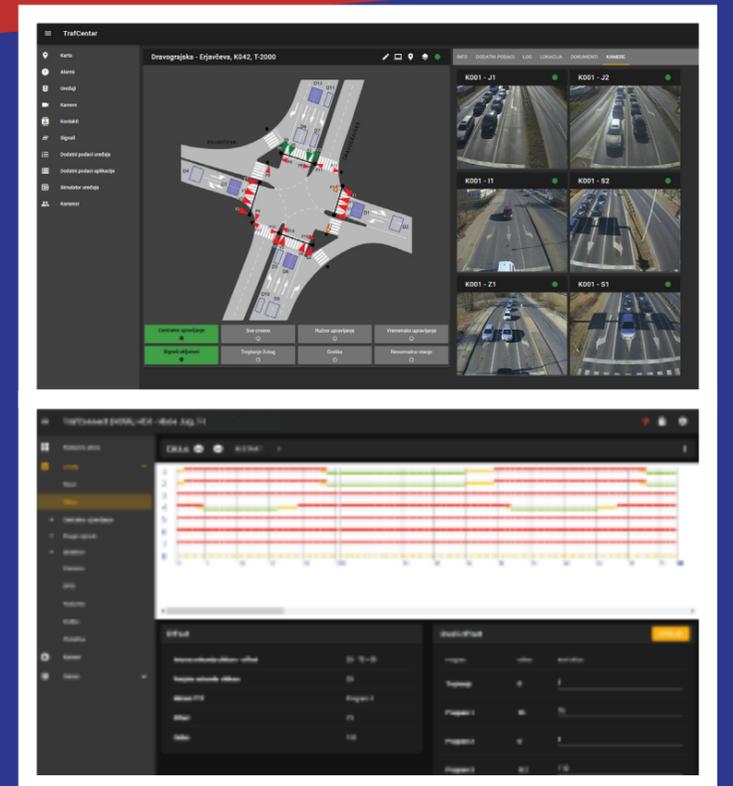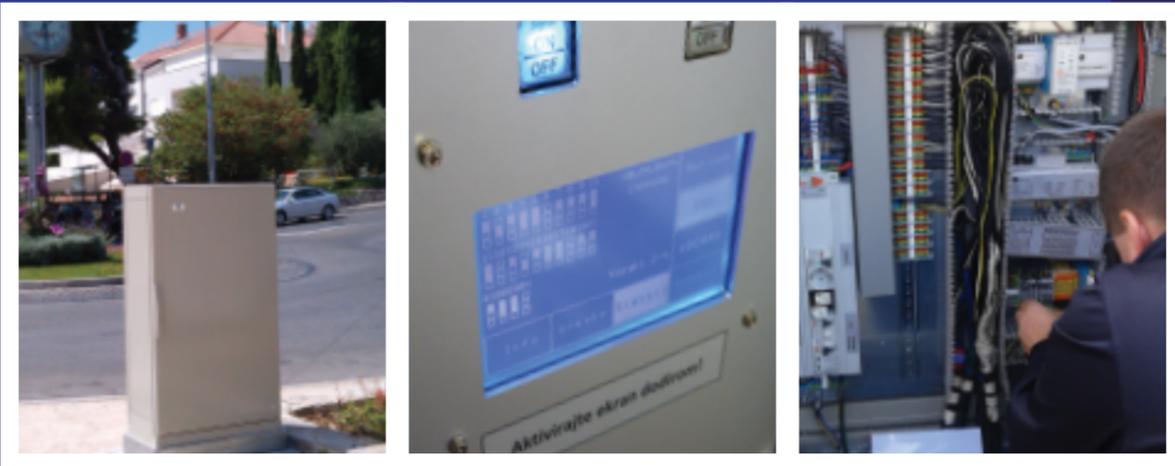
Highest Manufacturing Standards

Products within the TRAF SIGNAL portfolio are developed and manufactured in our own production facilities in Croatia/EU, in accordance with the highest manufacturing standards.

Our solutions are complete, easy to install and maintain, and technologically advanced.

Thanks to a high level of interoperability and integration with other systems, we can deliver tailored solutions fully aligned with project requirements (no over- or underspecification).

Our team brings many years of specialized experience in road traffic signaling.

Comprehensive Service – from Concept to Project Implementation and Post-Deployment Support

Planning **Design** **Implementation** **Maintenance** **Upgrade**

All our products come with a warranty and direct support, including servicing, upgrades, and operational maintenance, and are certified to meet all required standards.

www.trafsignal.hr

Smart Traffic Solutions

TRAF SIGNAL

Perception-Driven Traffic Control

Trusted by clients and proven through numerous successful deployments, we rank among the leading road traffic equipment manufacturers.

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