



ITS
via planet

20
22

On the road...

How to steer the right vehicle
on the right track?



Intelligent Transport Systems

Planet Soft company has developed Via Planet ITS (Intelligent Transport Systems) solution as an advanced system devised to provide services applied to various types of transportation and traffic management that supplies users and road traffic participants with accurate and relevant information which ultimately has a positive impact on increased safety levels in traffic.

Via Planet ITS is a software solution that monitors and manages traffic flow utilizing installed equipment in the field (tunnels or open road sections). The system is designed in such a way that it uses data acquisition equipment (cameras, sensors, etc.) to acquire data on traffic, traffic accidents, and other critical situations. The collected data is sent to the traffic monitoring center using the communication infrastructure and active and passive equipment. Control center operators carry out traffic and traffic flow management activities by applying predefined scenarios in VPT ITS.

The following scenario illustrates how the system operates: the AID camera detects a pedestrian in the tunnel or a load that has fallen out during transport, then alerts the operator in the monitoring center who, based on the detected incident, takes actions such as lowering the speed of vehicular traffic in the tunnel through interchange by modifying traffic signals and, if necessary, closes one or more traffic lanes. Additionally, by utilizing installed LED displays at the tunnel entrance, the operator.

This solution enables users to constantly monitor traffic, manage traffic flow and quickly react to emergencies that may affect the safety of road users.



✓ Benefits of Via Planet ITS system:

- Increased safety levels of road traffic participants;
- 24/7 monitoring and traffic management;
- Autonomous system operation based on predefined scenarios and system independence from the software application in case of communication breakdown between central and monitored locations;
- Communication with road users;
- Open system and architecture, independent of equipment manufacturer (vendor-agnostic);
- Single application for end users;
- AID operates locally;
- Multistep decision-making and support in managing critical incidents;
- Plug & Play: Remote traffic control configuration for applying different control parameters;

Via Planet ITS can be implemented and applied across a range of transport infrastructure: Tunnels, open-cut sections, interchanges, bridges, railways, city roads, and intersections. The system is scalable and supports the integration of different equipment into the system. The user application has an intuitive design with a highly developed "user-friendly" interface.