

Bosch makes Polish Roads Safer



BOSCH

Invented for life

Industry:

Transportation

End User:

General Management for National Roads and Motorway

Business Objective:

In order to improve safety and organization on Polish roads national authorities introduced the CONNECT program, which was financially supported by European Union. First stage of the program was aimed to test technical solutions which allow to control speed, car identification, traffic jams and investigate traffic intensity on major roads. In the future the installed system will be a solid base for developing Intelligent Transport Systems (ITS) in Poland.

Solution:

As a result of the cooperation between Neurosoft and BOSCH Security Systems 24 control and measurement points were designed and equipped with Bosch IP cameras (PTZ and fixed) and Extreme CCTV IR illuminators to estimate and record traffic intensity on the main roads. By analyzing the collected data the system informs drivers about traffic. The system gives transfer time for a defined section of the route, considering traffic intensity, traffic jams and recommended detours. Additionally, the system measures the average speed of a selected vehicle between point A and point B and displays its speed and license plate on a roadside display to inform the driver about the maximum limit and actual speed. It is also possible to browse records by license plates and localize wanted vehicles.

Test tracks are located on the high frequently-used roads number 7 and 8. All information is sent to the local Traffic Control Center which monitors current driving conditions. Software developed by Neurosoft enables also automatic detection and identification of oversized vehicles as well as control of vehicles running the red light.



Display of CONNECT program on Polish most dangerous roads

Result:

A few months after implementation of the solution it was confirmed that the CONNECT program increases road safety. Precise vehicle identification by recognizing license plates enables to control and execute speed limits on most dangerous tracks. Full monitoring with video recording of the whole occurrence results in better traffic flow and decreases amount of traffic jams. The possibility to integrate with other systems allows to identify oversized vehicles, which devastate road surface and tunnels and also often cause road accidents.

Despite the fact that CONNECT program is limited to the test version, it has proven that thanks to modern CCTV solutions it is possible to increase safety on Polish roads which are one of the most dangerous ones in Europe according to statistics.

Installed by:

Neurosoft Sp. z o.o.
ul. Robotnicza 72
Wrocław 53-608
www.neurosoft.pl