

safety and flow



WIM Pro

WEIGHT-IN-MOTION SYSTEM



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The WIM Pro in motion weighing system is an innovative solution for monitoring the weight of moving vehicles. It uses various technologies such as strain gauge load sensors, ANPR cameras, CCTV, DSRC antennas and LIDAR to identify and accurately measure vehicle weight in real time. The system can control VMS signs using pre-programmed scenarios. WIM Pro can be used to monitor vehicle load compliance, prevent excessive road wear and improve road safety. With the ability to monitor the weight of vehicles in motion, the system is used to identify vehicles that exceed weight limits, which is critical to maintaining the safety and sustainability of the road infrastructure.

STATISTICAL SYSTEM

The system provides detailed statistical data necessary for effective management of road infrastructure repairs. It is also an excellent source of data for planners.

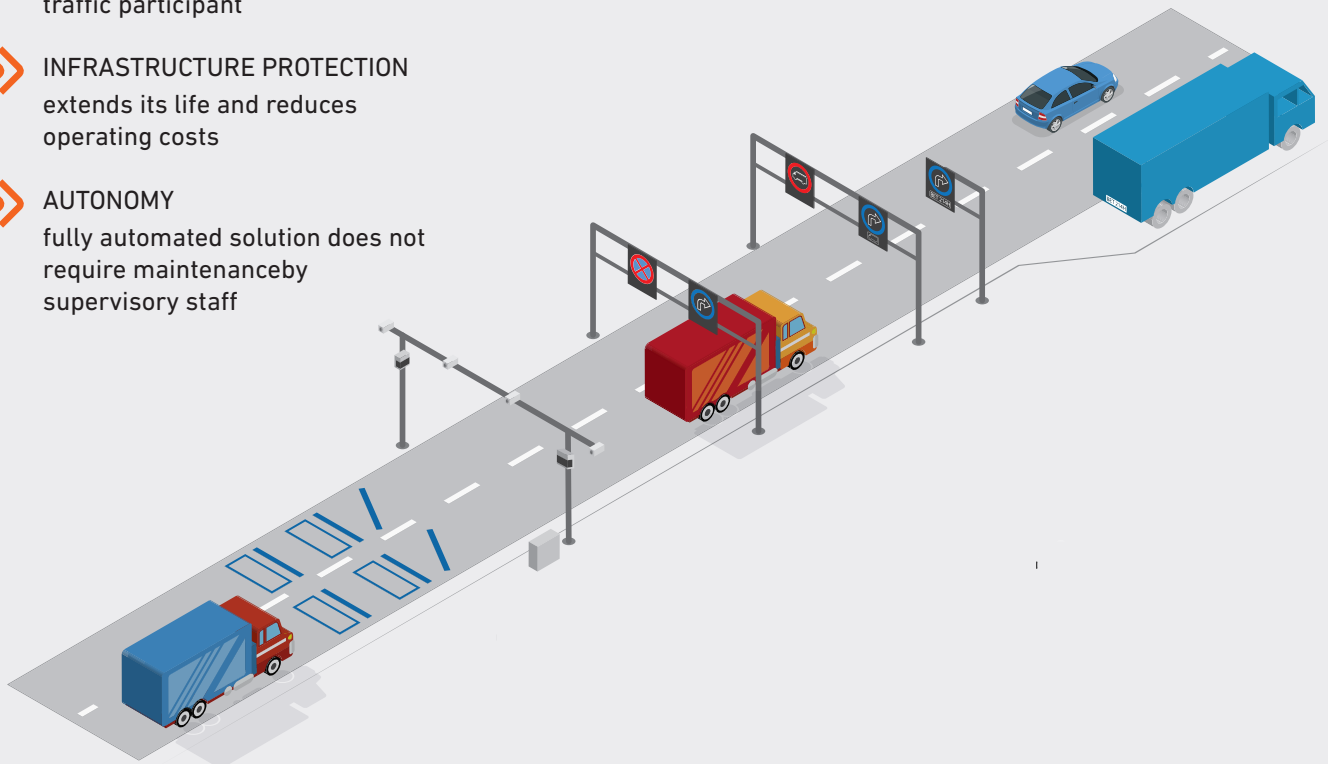
OVERLOAD VEHICLE PRESELECTION SYSTEM

The system enables vehicles to be preselected so that only those previously identified as overloaded are weighed on certified scales. Thus, WIM Pro improves the work of traffic enforcement services.

DIRECT ENFORCEMENT SYSTEM

WIM Pro is the most advanced and effective tool for road infrastructure protection. It runs continuously and does not require the involvement of enforcement services. The solution works automatically, without any impact on traffic flow.

- » SAFETY
helps to protect life and health of the traffic participant
- » INFRASTRUCTURE PROTECTION
extends its life and reduces operating costs
- » AUTONOMY
fully automated solution does not require maintenance by supervisory staff





SOFTWARE

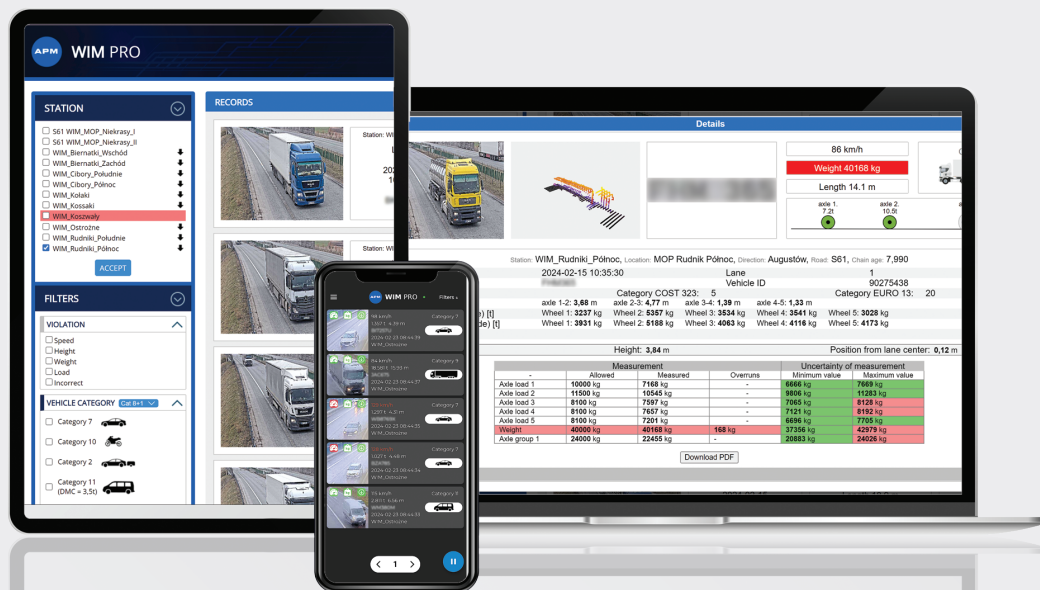
READINGS – this is the main part of the WIM Pro 3.0 system software, where vehicle data is presented in real time. Data from several stations with different technologies can be presented in one module. A set of filters selected individually by each operator allows viewing vehicles that meet the selected criteria. The standard configuration of the system allows selection according to many parameters such as permitted weight, category, and speed of vehicles. An automatic change of language settings based on browser configuration is possible.

STATISTICS – the module enables generation of statistics on traffic structure, weight and speed of vehicles divided into categories, as well as any other statistics according to individual user needs.

DATA EXPORT – WIM Pro 3.0 allows you to save data from the system to *.csv or *.xls files.

ADMINISTRATION PANEL – contains the tools to manage users and their privileges.

SERVICE NOTIFICATIONS – the fault reporting module integrated into the service software allows for direct reporting to the manufacturer's service department of any irregularities or faults in functioning of the weighing station.



TECHNICAL SPECIFICATION

- Detection of abnormal vehicles,
- Interface for mobile devices,
- Measurement of vehicle parameters including vehicle weight, axle load, group axle detection, speed,
- Detection of the incorrect passage.
- Measurement of vehicle dimensions,
- Weighing accuracy: A(5), B+(7), B(10) acc. to COST323, OIML-134,
- Vehicles classification acc. to EN 8+1 in the A1 class (other types of classification are available),
- Configurable vehicle parameter limits according to local regulations,
- Possibility to integrate with other systems,
- Flexibility, adapting to individual customer or end-user needs Linux system 3D image of vehicles.





<http://apm.pl/pdf/en/WIMPro.pdf>

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