neurocar

WEIGH-IN-MOTION

dynamic weigh
in motion

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WEIGH-IN-MOTION

NeuroCar Weigh-in-Motion - a system for the detection and identification of oversized vehicles.

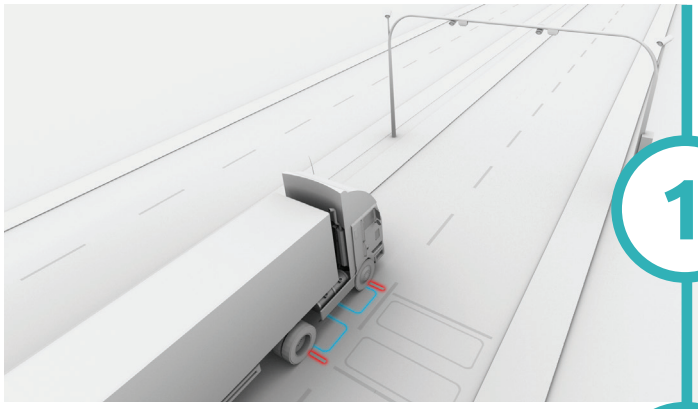
The NeuroCar Weigh-in-Motion has had a direct impact on the protection of road infrastructure by registering overloaded and oversized vehicles.

System Construction:

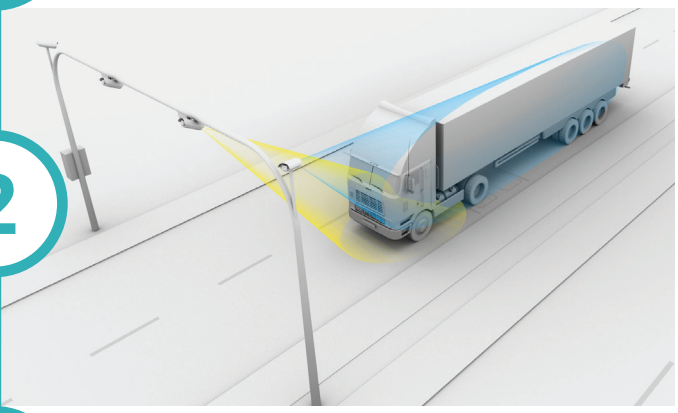
- scales sensors, induction loops
- overview camera, measurement camera
- laser scanner
- control unit (integration and transmission of data).

ADVANTAGES OF THE SYSTEM:

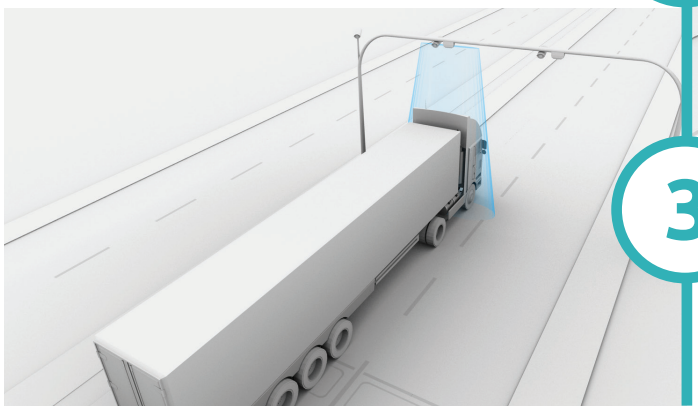
- comprehensive identification of the vehicle:
  - ANPR (Automatic Number Plate Recognition)
  - MMR (vehicle's Make and Model Recognition)
  - WIM (Weigh-in-Motion and preselection of overloaded vehicles - indication of the pressure distribution on the axles)
- recognition of dangerous goods plates (ADR)
- integration with Variable Message Boards (VMS)
- real-time recognition and signal transmission



1 weighing and classification of the vehicle by implementing quartz sensors and induction loops



2 vehicle detection, complete identification with the Automatic Number Plate Recognition (ANPR) and the Make and Model Recognition (MMR)



3 measurement of a vehicle passing through the laser curtain