




We build human comfort through
safety technologies



The Omsk Region Navigation and Information Centre (NIC) created with the participation of the Omsk Region Authorities offers services for WIM systems implementation and support.

Weigh-in-Motion systems serve as an integral component of modern transport infrastructure for the following purposes:

- 1) Preventing unauthorised access to federal and regional highways for the transport exceeding the dimension and weight limits set in Russia
- 2) Extending lifespan of road carpet and artificial constructions
- 3) Improving transport safety

The Weigh-in-Motion system launched by NIC¹ is a set of software and hardware comprising:

- A weight measuring module
- A module for detecting and measuring transport vehicle length
- Optic laser devices
- An industrial computer
- CCTV devices

Weight sensors and induction loops mounted on the road carpet send data to the central control unit for processing. The data include the following key information on a vehicle:

- Vehicle type
- Full weight and size
- License plate number
- Movement direction and lane
- The date and time of checkpoint crossing

¹The system complies with Russian law and is applied on Russian federal motorways (A-114 and M-8 Kholmogory).

The system also includes such add-ons as a display panel (VMS), a surveillance camera and a tablet computer.

All information gathered by the system will be sent to a fixed control centre and then dispatched to federal/regional/municipal information systems.

The system may integrate with Platon, a road tolling system for 12-ton vehicles travelling on federal highways.



Using automated WIM systems with NIC will be an advantage for you:



- **Road users** will enjoy safety through enhancement of road carpet quality, reduction of traffic accidents and improvement of traffic behaviour
- **State authorities** will ensure additional budget revenues through road tolls and reduction of road repair costs
- **Investors** will derive expected return on their capital



NIC for Omsk Region

Address: 11 Komarova pr., bld 1,
Omsk, 644112, Russian Federation
E-mail: info@mic55.ru
www.mic55.ru