WHSD – Shuvalovskiy pr., SPb (Russia)

Project description

The first concession (PPP) project in Saint-Petersburg was continued with the WHSD (Western High-Speed Diameter) Interchange of the Shuvalovskiy pr.

This new infrastructure provides access to the existing and newly built areas in the north of the city, which has a total population of more than 500,000 people.

In addition, the project reduces traffic load on one of the busiest interchanges of the WHSD located nearby.

It is also a great example of efficient co-operation of supplier, designer and owner in terms of achieving technically and economically efficient solutions and design of the key components, bearings and expansion joints.

mageba scope

mageba has produced and supplied 78 RESTON®SHPERICAL bearings, including spherical bearings with uplift claws. The bearings feature ROBO®SLIDE (UHMW PE) sliding material with the possibility of pre-installation and with rubber dust skirts.

In addition to the bearings, mageba also produced and supplied 5 TENSA® MODULAR LR joints and 3 TENSA®GRIP RS-LS single gap joints with noise reducing sinus plates.

In order to simplify and speed up installation, all joints were supplied with factory-installed shuttering plates, temperature presetting frames and equipped with hump rubber profiles to enhance durability and optimise maintenance.

The asphalt in the joints' area was reinforced with ROBO®STATIFLEX polymer concrete.

Highlights & facts

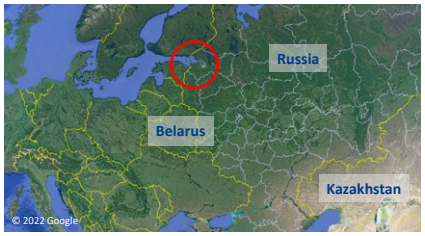
mageba products:

Type:	RESTON®SPHERICAL bearings TENSA®MODULAR LR and TENSA®GRIP RS-LS joints ROBO®STATIFLEX reinforcing beams
Feature:	Spherical bearings feature uplift claws, Single gap joints feature noise reducing sinus plates
Installation:	2021

Structure:

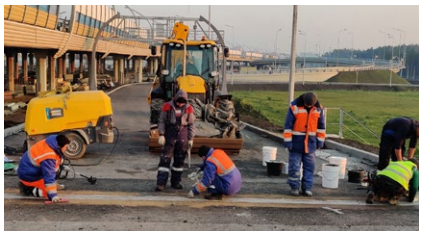
Country:	Russia
City:	Saint Petersburg
Type:	Overpass
Length:	375 m
Completion:	2021
Owner:	ZSD (WHSD), JSC
Contractor:	PO Vozrozhdenie, JSC
Engineering:	Tramos, Ltd

The project is located in Saint Petersburg, Russia



A mageba expert trains the contractor's team on how to install modular expansion joints

Installation of mageba's ROBO®STATIFLEX reinforcing beam next to a joints



mageba Moskau - Regus Business Centre Citydel Zemlyanoy val, 9, 4th floor - RU-105 064 Moskau - T +7 495 967 93 20 - info.ru@mageba-group.com
mageba St. Petersburg - Regus Austrian Business Centre Nevsky Prospekt 55, lit. A, 9, 3rd floor - RU-191025 St. Petersburg - T +78123139281 - info.ru@mageba-group.com