# Metro bridges on Moscow Underground – Pykhtino - Vnukovo Section (Russia)

## Project description

The extension of the metro line to Vnukovo Airport, located 28 km southwest of Moscow, ensures a direct transport links with the city centre of the capital, which significantly reduces the time of travel for air passengers and local residents of the nearby areas.

The metro bridges across the Likova River is located between the Pykhtino and Vnukovo stations of the Kalininsko-Solnt-sevskaya ("yellow") line of the Moscow Underground. It is the 2nd longest metro bridge in Moscow, measuring 458 m in length. It comprises of 2 parallel-running RC cast in-situ bridges in a single-span scheme.

## mageba scope

mageba has been involved in this unique project from the early stage of design, and contributed to the construction of the bridges by supplying 24 TENSA®RAIL RSU80 joints (each measuring 6.3 m in length) for installation in the ballast bed of the light rail bridge.

The railway joints were produced by mageba Russia's production facility in Saint Petersburg.

In order to make the installation of the products easier, ensure durability and due product optimization, specially designed anchors were integrated into the superstructures of the overpasses, which were designed in close cooperation with the engineers of the project.

## Highlights & facts

**mageba products:**

| | |
|---|---|
| Type: | TENSA®RAIL RSU joints |
| Installation: | 2020 |

**Structure:**

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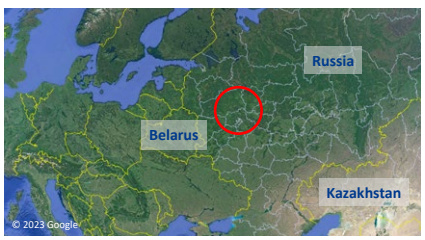
|---|---|
| Country: | Russia |
| City: | Moscow |
| Type: | Metro bridge |
| Length: | 458 m |
| Completion: | 2021 |
| Contractor: | STM-Centr, Ltd |
| Engineer: | Mosinzhproekt, JSC |
| Client: | Mosinzhproekt, JSC |

The project is located in the capitol of Russia, Moscow




A TENSA®RAIL RSU joint during unloading on site

TENSA®RAIL RSU installed on site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