

OMSK VOTES FOR INNOVATIVE PIPES

By Liliya Shleiger

The main street of Omsk is also known as Lenin Street (former Lyubinskiy Prospect) and dates back to the beginning of XIX century. The unique architectural heritage of the late XIX – early XX makes this site a city landmark with Federal Historical Heritage status.

Lenin Street is also on the list of reconstruction sites planned to be completed before the 300th anniversary of Omsk. The Fund for Omsk strategic development is the customer and Gazprom OJSC is an investor in the project.

The reconstruction project involves the replacement of both the water supply and the sewer networks on Lenin Street.

“Some of networks we are replacing were built before the revolution,” says Evgeniy Reshetnikov, Director for Construction of Omsk Vodokanal. “It is obvious that their operating life has long gone. We took the decision to replace the water pipelines using plastic pipes.”

POLYPLASTIC ZapSib won the bid to supply pipes and all the pipes and fittings arrived at the site in good time.



The construction work was carried out using the open trench method. Several areas required horizontal directional drilling and PROTECT pipes with a PP protective coating were used.

“This type of protective shell secures the pipes inside it and absorbs any mechanical and temperature impact (from -40°C to $+40^{\circ}\text{C}$). This is very important for the severe continental Siberian climate,” says Sergei Shelest, Director of Omsk Vodokanal. “Moreover, the pipeline withstands up to 16 bar whereas the operating pressure is no more than 8 bar.”

CORSYS PRO SN 16 two-layer PP pipes with diameters of 315 mm and 630 mm were used for the construction of the 2100 mm storm water sewer.

The renovation works on Lenin Street are now successfully completed and road traffic has resumed.

