

# Plant Services – Tarvisio, Italy

## Brief Description



Byzak provided Plant Services to Nacap B.V. and ICOP (JV) for the construction of a gas line near Tarvisio in the Italian Alps close to the Austrian /Slovenian border for SNAM Rete Gas.

Works began in 2008 on the replacement of the Tarvisio-Malborghetto pipeline DN 900mm in diameter, built in the early 1970s, with a new pipeline, DN 1200mm in diameter which will expand the transport capacity of the pipelines bringing gas from Russia.

The new gas pipeline is being laid entirely in mountainous terrain over a distance of 22.5 km, of which 2.5 km is in the existing Priesnig tunnel and 4.8 km is constructed within 7 separate tunnels.

One of the project’s biggest obstacles was surmounting Mount Leila, on the border with Austria. This was achieved by excavating a microtunnel through the rock, over a distance of 1310m.

Byzak’s tunnel boring machine (TBM), an upsized Herrenknecht AVN 2000D, has completed the 1310 metre long Mount Leila pipejack tunnel drive. The 2.5 m diameter pipejack, believed to be Italy’s longest, was constructed through alpine rock on a gradient of 1 in 8 which means the TBM emerged some 500ft above its entry point at the main work site area.



Byzak’s TBM, back up equipment, and operating and support staff were engaged by the Italian contractor to drive the tunnel route through forests and alpine areas. Completion of the tunnel is a tremendous achievement for all those involved.

