



## Pankrác – Olbrachtova (CZ)

### Sheet Waterproofing

|                              |                               |
|------------------------------|-------------------------------|
| <b>Country</b>               | Czech Republic                |
| <b>Type</b>                  | Metro                         |
| <b>Client</b>                | Praha transport authority DPP |
| <b>Main Contractor</b>       | HochTief, Subterra, BeMo      |
| <b>Execution of the work</b> | Renesco as                    |
| <b>Designer</b>              | Metroprojekt Praha a.s.       |
| <b>Construction Period</b>   | 2023-2025                     |

## Project Description

The 10.6 km metro line will be served by ten intermediate stations from Náměstí Míru station (on the Line A) crossing the Line C at the Pankrác station and continuing towards southern area to the Písnice town, situated in the municipal district of Prague 12. It will be Prague first automated metro line. The metro Line D will be constructed within two phases. The first one (separated in 4 lots) covers the construction of the line from Pankrác to the depo of Písnice and it will be later extended to the city center and Náměstí Míru station which is designed to allow further extension to the north.

The section of Pankrác D - Olbrachtova is the most complex part of the entire route, which includes two intermediate stations, one of which is a transfer station, and a total of almost three kilometers of various tunnels.

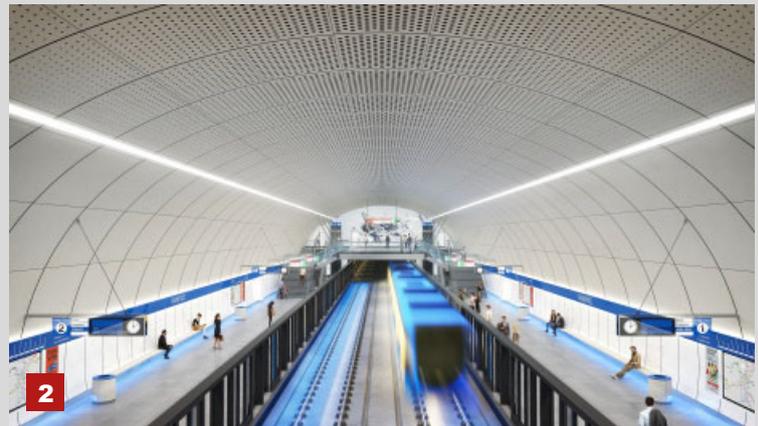
The 3,3 km Olbrachtova to Nové Dvory section of the first phase of metro Line D will include TBM and NATM tunnelling. The Nádraží Krč station will be partly under a motorway and partly on a viaduct over a river, while Nové Dvory station will have provision for the future construction of a branch towards Modřany.

As part of the contract is the construction of two 33-metre-deep metro stations and a 1.2 km NATM tunnel.

## Scope of Service

Supply & install of the waterproofing system for one station and 1.2 km of NATM tunnel.

- Polypropylene (PP) protection geotextile of 800g/m<sup>2</sup>, and 2 x 1'000g/m<sup>2</sup> in the invert
- PVC-P based sheet waterproofing membrane system with 3.1mm thickness including a signal layer.
- Expansion & construction joint water barriers of 500mm width, 6 ribs and with 2 x 6mm injection hoses for possible chemical remedial grouting and with 2 x 11mm injection hoses for possible cementitious remedial grouting



1. Visualization of the 1<sup>st</sup> metro station
2. Visualization of the 2<sup>nd</sup> metro station
3. NATM Tunneling