

# Belarus



**Name:** Belarusian Tunnelling Association

**Type of Structure:** non profit, open association

**Number of Members:** Number of corporate members: 7 organisations

## ASSOCIATION ACTIVITIES DURING 2019 AND TO DATE

In 2019 the Minskmetrostroy UE celebrated its 40th anniversary. An international scientific and technical conference was held.

## CURRENT TUNNELLING ACTIVITIES

Minskmetrostroy UE continues the construction of section 1 of Minsk metro line 3. The length of the section is 8.42km with 7 stations. In 2019, TPMK CGM BESSAC (France) dug 1932 m of tunnels with a diameter of 6.0m with the use of reinforced concrete high-precision lining. The construction of 4 stations is near its completion (readiness - 90%). Currently installation of equipment and escalators is underway, finishing work is being carried out. Using TPMK A VND2400

AB and A VNI000 XC (manufactured by Herreknecht), 1272m of sewage collector with a diameter of 2.0m and 1058m of a collector with a diameter of 1,0 m were completed. Works were performed by Trest No. 15 Spetsstroy JSC in Minsk. In June 2019 under the design documentation developed by Minskmetroproject JSC in Moscow a section of the Kozhukhovskaya line was put in operation. The line length is



8.2km, 4 stations (Kosino, Dmitrievskf, Lukhmanovskaya, Nekrasovka stations).

## FUTURE TUNNELLING ACTIVITIES

Minskmetroproject JSC has been developing design documentation for the construction of section 1 of the Minsk Metro line 3, and also begun the development of the project "section 2 of the Minsk Metro line 3". The length of the line is 8km with 7 stations. Stage is "architectural project".

## STATISTICS

### 1. Length or volume excavated

- In 2019 were built: 1932m of metro tunnels. 100% mechanized digging and 2330m of tunnels for sewage, incl. 1272m with diameter 2m and 1058m with diameter 1m.

## EDUCATION ON TUNNELLING IN THE COUNTRY

Belarusian National Technical University, Department "Bridges and Tunnels". 275 students and 75 teachers, including 6 Do.Sc. in engineering.