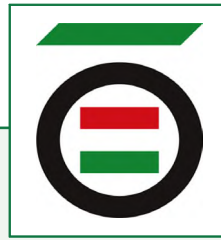
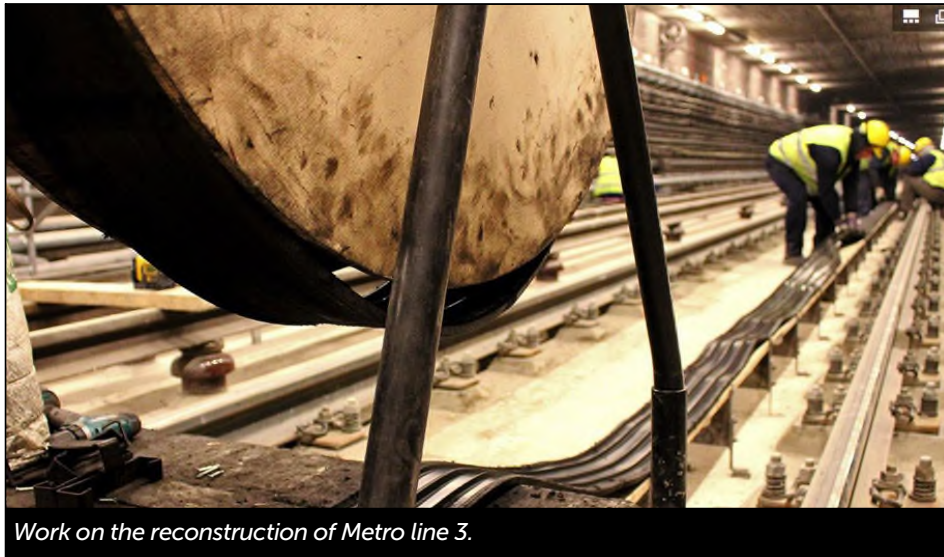


Hungary



Name: Hungarian Tunnelling Association
Type of Structure: non-profit, open association
Number of Members: 65 members, 21 corporate members



Work on the reconstruction of Metro line 3.

ASSOCIATION ACTIVITIES DURING 2018 AND TO DATE

- The XXIVth Széchy Károly Memorial Lecture to the Hungarian Academy of Sciences in Budapest, February, 2018 (with the Hungarian Academy of Sciences: Section of Engineering Sciences, Geotechnical Department of Hungarian Chamber of Engineers, and Hungarian ISSMGE).
- In 2018 the Association held 2 General Assemblies: the annual General Assembly of the Association was held on 1st of March, and on the 10th of May.
- Geotechnika 2018 conference (8-10 October 2018).
- The biennial conference of the Hungarian Tunnelling Association was held in Budapest, 7th of November.

CURRENT TUNNELLING ACTIVITIES

Currently the main tunnel work is the reconstruction of Metro line 3. Renewal of track, security system sealing of the tunnel and other maintenance works. The deadline of works is 2020. During this period there was no tunnelling (mechanised or traditional). There are pending infrastructure investments (motorways and railways) with tunnels in different phases of planning. The most important projects in the planning stage:

- M0 motorway North section (around

Budapest) - planning is finished and the project awaits the construction tender announcement

- M 100 motorway (Esztergom - M 1 motorway) tunnel design announced in TED (Tenders Electronic Daily) with the winner starting the geotechnical and environment protection study.
- M21 motorway (Hatvan - Salgótarján) - planning started in 2018

FUTURE TUNNELLING ACTIVITIES

There is no expected tunnelling (mechanised or traditional) in 2018. Perhaps after the planning of the above-mentioned design works the construction of the planned tunnels could start in the coming years.

STATISTICS

- 1. Length or volume excavated - % mechanized / % conventional during 2018 - 0%**
- 2. Amount (USD or EUR) of tunnelling/ underground space facilities awarded in 2018 - € 0**
- 3. List of tunnels completed:**
There are no tunnels completed.
- 4. List of tunnels under construction**
M85 Sopron " Bécsi hegy" motorway tunnels see below

Iceland



Name: Icelandic Tunnelling Society
Type of Structure: Independent Society of corporate and ordinary members, founded 1974
Number of Members: 45 members, 17 corporate members

ASSOCIATION ACTIVITIES DURING 2018 AND TO DATE

Four board meetings and an annual meeting with invited speakers.

CURRENT TUNNELLING ACTIVITIES

Vadlaheidi Road Tunnel, 7.2km

Project completed in December 2018 after a delay of two years due to geothermal activity and hot water inflows (up to 65 °C), fault collapse and a large inflow of cold water.

Dyrafjordur Road Tunnel, 5.3km

Excavation continues on this road tunnel in Northwest Iceland which started in September 2017. Breakthrough is expected in spring 2019 and completion expected 2020.

FUTURE TUNNELLING ACTIVITIES

- Some future tunnelling projects are being planned such as the Fjardarheidi Road Tunnel, an approximately 13km long road tunnel in East Iceland.
- Some underground hydroelectric projects also being planned.

STATISTICS

- 1. Length or volume excavated - % mechanized / % conventional during 2018**
Approximately 3.3km, drill & blast
- 2. Amount (USD or EUR) of tunnelling/ underground space facilities awarded in 2018 - None**
- 3. List of tunnels completed:**
Vadlaheidi road tunnel, 7.2km.
- 4. List of tunnels under construction**
Dyrafjordur Road Tunnel, 5.3km.