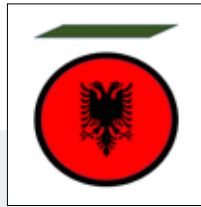


# Albania



**Name:** ALB Tunnelling

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

**Number of Members:** 12 members for the year 2019.

## ASSOCIATION ACTIVITIES DURING 2019 AND TO DATE

Several activities, including lectures and presentations at engineering events.

## CURRENT TUNNELLING ACTIVITIES

### Construction of two NATM Tunnels on the Qukes-Qafe Plloce road as part of Tirana-Korca highway.

The tunnels have a length of 1000m and are bi-directional. The value of the works is €22M for the primary and final lining, with E&M works at €3M. The primary and final lining was completed in September 2019 and the E&M works are yet to start.

The project is financed by the Islamic Development Bank and Government of Albania. The Contractor is JV Combined Group Contracting – Alb Building. The Engineer is Sajdi (Jordan Supervision Company).

### Construction of five NATM bi-directional Tunnels on the Arbri road, with the longest at 3.2km.

Contractor is Gjoka Konstruksion (Albanian Contractor). The Supervision works are carried out by GR Albania. The total cost of the road is estimated €460M. The concessionary firm agreed to build the

road at its own expenses and maintain it for 8 years after works completion. The project is scheduled to finish by March 2021.

### Construction of 10.7km of tunnel on the Moglica HPP for Client, Statkraft, which was completed in October 2019, by the Turkish Contractor, Limak group.

Construction activities started in 2015. Moglicë HPP is planned to utilize a head of 300m between 650 - 350m asl. The approx. 167m high dam is an asphalt-core rock-filled structure and will be one the highest of its kind in the world. The reservoir is planned to have a storage capacity of approx. 400Mm<sup>3</sup>. The reservoir is planned to have a surface area of approx. 7.2km<sup>2</sup>. The Moglicë HPP will receive its water through the 10.7km long tunnel from the Moglicë reservoir and will use two Francis turbine units. The planned installed capacity is 184MW with an average generation of 450GWh/year.

## FUTURE TUNNELLING ACTIVITIES

### For 2020 the below projects are scheduled to start:

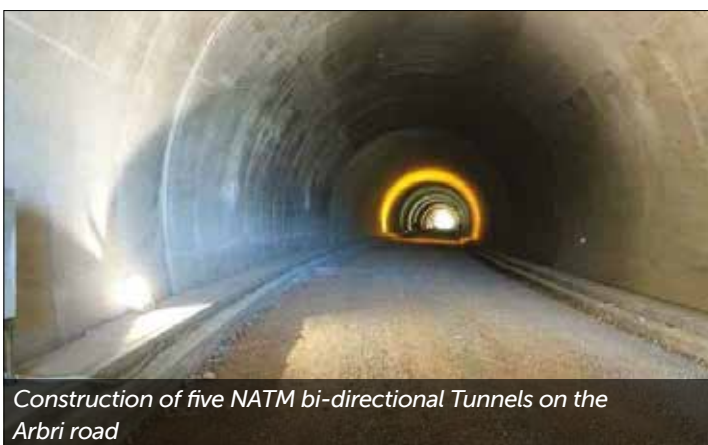
- The Milot-Balldren Tunnel: 1km
- The Llogara Tunnel: 5km
- The Kardhiq-Delvine Tunnel: 1km



Construction of two NATM Tunnels on the Qukes-Qafe Plloce road as part of Tirana-Korca highway

## STATISTICS

1. Length or volume excavated
  - 30% mechanized/70 % conventional during 2019
2. Amount (USD or EUR) of tunnelling/underground space facilities awarded in 2019
  - US\$80M
3. List of tunnels completed:
  - Moglica HPP Tunnels finished in 2019
4. List of tunnels under construction
  - Qukes-Qafe Plloce (E&M works)
  - Arbri Road Tunnels



Construction of five NATM bi-directional Tunnels on the Arbri road



Construction of 10.7km of tunnel on the Moglica