

Thailand



Name: Thailand Underground and Tunnelling Group (TUTG),
The Engineering Institute of Thailand

Type of structure: Non-profit organization

Number of members: 60 members



- Specifications and Design of Steel Fibre Sprayed Concrete Linings, Segmental Linings and Vertical Shaft (May 2017)
 - Nam Kong 2 – Project Improvement (August 2017)
 - Risk Management in Tunnelling – Risk Control in Design & Construction (September 2017)
2. Technical Site Visit to Double track project on Eastern Seaboard Railway Contract 2: Wihan Daeng-Bu Yai to the railway tunnel. (January 2017)
 3. Co-organizer of 4th Thai Geotechnical Conference 2017 (October 2017)
 4. Organize the 2nd Training of
 - ‘Tunnelling in Soft Ground’ (July 2017)
 - ‘Tunnelling in Rock’ (November 2017)

FUTURE TUNNELLING ACTIVITIES

The tunnelling activities program by TUTG are:

- 3rd Training on ‘Tunnelling in Soft Ground’ and ‘Tunnelling in Rock’
- Tri-monthly Tea Talk Seminar
- In-house Training for State Railway of Thailand, SRT (July 2018)
- In-house Training for Royal Irrigation Department, RID (August 2018)
- 5th Thai Geotechnical Conference (Co-organizer)

STATISTICS

1. Length or volume excavated - % mechanized / % conventional during 2017:
 - Flood Diversion Tunnel under Khlong Bang Sue 6,200m (Mechanized)
 - Double track project on Eastern Seaboard Railway Contract 2: Wihan Daeng-Bu Yai with the railway tunnel 1,200m

ASSOCIATION ACTIVITIES DURING 2017 AND TO DATE

In 2017 the Thailand Underground and Tunnelling Group (TUTG) continued working to contribute to underground and tunnelling education through a number of technical seminars, technical visits and training sessions.

CURRENT TUNNELLING ACTIVITIES

The tunnelling activities done by TUTG are:

1. The Five Tea Talk Seminars held through 2017 were:
 - Innovations for Unpredictable Ground Conditions and Water Ingress (March 2017)
 - Tunnel Safety – How designers and Clients can improve safety on site (April 2017)



(Conventional), Project Cost 407MB (US\$12M)

2. Amount (USD or EUR) of tunnelling / underground space facilities awarded in 2017:

- More than US\$2.5bn for tunnelling and underground projects were awarded in 2017.

3. List of tunnels completed:

- Double track project on the Eastern Seaboard Railway Contract 2: Wihan Daeng-Bu Yai with the railway tunnel. (State Railway of Thailand)
- Blue Line Extension, (Mass Rapid Transit Authority of Thailand)
- Flood Diversion Tunnel under Khlong Bang Sue (The Bangkok Metropolitan Administration)

4. List of tunnels under construction

- Orange Line - East Section (Mass Rapid Transit Authority of Thailand)
- Mae Tang – Mae Ngud – Mae Kuang Water Diversion Tunnel (Royal Irrigation Department)
- Flood Diversion Tunnel – Bueng Nong Bon to Chao Pha Ya River (The Bangkok Metropolitan Administration)

