



Training session 'Tunnelling for Transport in Urban Areas'
28th February & 1st March 2015 - Kuala Lumpur
Venue: Tan Sri Prof. Chin Fung Kee Auditorium
Wisma IEM, Jalan Selangor
46200 Petaling Jaya, Selangor Darul Ehsan
Malaysia

Programme

Objective: The objective of the course is to introduce the design & construction approaches for tunnelling in urban areas.

Saturday 28 February 2015

Session 1: General

08:30-08:45: Welcome & opening - Ir. Dr. Ooi Teik Aun & S. Eskesen
08:45-09:30: Why go underground in urban areas – S. Eskesen
09:30-10:30: General aspects of urban tunnelling – Environmental issues – S. Eskesen
10:30-11:00: Coffee Break
11:00-12:00: Presentation of the different tunnelling methods in urban areas & elements for the choice of the method – F. Amberg
12:00-13:30: Lunch

Session 2: Mechanized tunnelling

13:30-14:30: Slurry shield, EPB, soil conditioning – T. Babendererde
14:30-15:30: Segmental lining design for mechanized tunnelling – T. Babendererde
15:30-16:00: Coffee Break

Session 3: Conventional Tunnelling

16:00-17:00: Excavation methods & basics aspects of design – H. Wagner
17:00-18:00: Ground reinforcement, support, lining – H. Wagner

Sunday 1 March 2015

Session 4: Risk management

08:30-09:30: Risk management for urban tunnels – S. Eskesen
09:30-10:30: Site investigation – D. Peila
10:30-11:00: Coffee Break
11:00-12:00: Health & Safety – R. Haug
12:00-13:30: Lunch

Session 5: Monitoring

13:30-14:30: Geotechnical monitoring – E. Chirioti
14:30-15:30: TBM monitoring – F. Amberg
15:30-16:00: Coffee Break

Session 6: Case histories

16:00-16:30: Example case 1: TBM Solutions & Leak Sealing Repair – Normet - Kah Fai Lee
16:30-17:00: Example case 2: Sofia metro: Tunnelling underneath the Lions Bridge – E. Leca
17:00-18:00: Example case 3: Malaysian case studies – Dr. Ooi Lean Hock & G. Klados
18:00-18:30: Final remarks & closing