







Introduction to tunnelling– From design to construction 4-5 December 2019 Kenya

Objective: After a first session dedicated to underground space use, this 2019 seminar aims to go further in the tunnelling process with a presentation of the major issues related to the design and construction aspects. It will help the clients to understand how to manage underground projects and set up a suitable organization.

Day 1:

Session 1: Introduction and preliminary reminders on the global process

- 09.00-09.15: Welcome and Opening: ITA and concerned country representatives (L. Babendererde)
- 09.15-10.00: The main stages in a tunnel project management (L. Babendererde)
- 10.00-10.45: The key steps and the key players (L. Babendererde)
- 10.45-11.15: Coffee Break
- 11.15-12.00: Case study 1: Example of an urban project process (L. Babendererde)
- 12.00-12.45: Case study 2: Example of an hydropower project process (G. Seingre)
- 12.45-13.00: Questions and answers

13.00-14.00: Lunch

Session 2: Introduction to tunnelling methods

- 14.00-15.00: The main tunnelling methods Elements for the choice of the construction method (G. Seingre)
- 15.00-15.45: Logistics and environment impacts (G. Seingre)
- 15.45-16.15: Coffee Break
- 16.15-17.00: Case study 3: Example of mechanized tunnelling (G. Seingre)
- 17.00-17.45: Case study 4: Example of conventional tunnelling (G. Seingre)
- 17.45-18.15: Questions and answers

Day 2:

Session 3: Organization and contractual aspects

- 09.00-09.45: Main issues for the client and the public authorities (M. Macary)
- 09.45-10.30: The different contractual approaches (M. Macary)
- 10.30-11.00: Coffee Break
- 11.00-11.45: Case study 5: Example of the New FIDIC Emerald Book (M. Macary)
- 11.45-12.15: Questions and answers
- 12.15-14.00: Lunch

Session 4:

- 14:00-15:00: Sponsors & AWWDA presentation session (Eng. Thuita, Eng. Kamau, Eng. Bonnie, AVIC, SMEDA)
- 15:00-16:00: Round table: Principal difficulties in all stages of design and construction in an urban tunnel risk management

16:00-16:30: Closing Remarks

16:30+ : Coffee break and networking

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