

Training session ‘Mechanised Tunnelling in Soft Soil’

13 September 2016 – Buenos Aires - Argentina

Venue: Techint Training & Convention Center

Carlos M. Della Paolera 22, Ciudad Autónoma de Buenos Aires

Objective: to provide general information to young engineers & to update tunnelling on topics related to mechanised tunnelling in soft soil.

Programme

Tuesday 13 September 2016

Session 1: Main aspects of mechanised tunnelling

09:00 – 09:15: Welcome & Opening

09:15 – 10:00: Introduction to the main tunnelling methods & their respective fields of application – advantages & disadvantages of mechanised tunnelling (P. Grasso)

10:00 – 10:45: Geotechnical investigations prior to the choice of the tunnelling methods – selections criteria for TBMs (P. Grasso)

10:45 – 11:15: *Coffee break*

11:15 – 12:00: Face support & ground improvement (L. Babendererde)

12:00 – 12:45: Segmental lining & backfilling grouting (L. Babendererde)

12:45 – 14:00: *Lunch*

Session 2: Operation & Logistics

14:00 – 14:30: Cutting tools & cutter head design (L. Babendererde)

14:30 – 15:00: Chamber access & compressed air work (K. Bächler)

15:00 – 15:30: Example 1 – Multi mode TBMs & case histories (Herrenknecht - K. Bächler)

15:30 – 16:00: *Coffee Break*

16:00 – 16:45: Tunnels & Site logistics (K. Bächler)

16:45 – 17:30: Risk management & safety during the works (P. Grasso)

17:30 – 18:00: Example 2 (Robbins - D. Terbovic)

18:00 – 18:30: Questions & Answers – Closing remarks

