



Seminar on Mechanized Tunnelling
Sao Paulo – 26 – 27 April 2013 – Brazil
Co-organized with HERRENKNECHT Company
Tentative Programme

Objective: Information for Tunnellers on Mechanized Tunnelling.

Friday 26 April 2013

Session 1: Introduction and Overview

09.00 – 09.45:	Welcome & Opening: Advantages & Disadvantages of Mechanized Tunnelling & Potential Market in Brazil	H. ROCHA
09.45 – 10.30:	State of the Art by ITA WG-14 (Mechanized Tunnelling)	M. THEWES
10.30 – 11.00:	Coffee Break	
11.00 – 11.45:	Design criteria of TBMs	M. THEWES
11.45 – 12.30:	Selection criteria for TBMs according to Project Conditions	M. THEWES
12.30 – 14.00:	Lunch	

Session 2: Improvement and Support Systems

14.00 – 14.45:	Segmental Lining – General	F. GRUEBL
14.45 – 15.30:	Design of Segmental Lining	F. GRUEBL
15.30 – 16.00:	Coffee Break	
16.00 – 16.45:	Backfilling Grouting	M. THEWES
16.45 – 17.30:	Risk & Safety Management	A. ASSIS
17.30 – 18.00:	Questions & Answers	



Saturday 27 April 2013

Session 3: Operation

09.00 – 09.45:	Cutting Tools & Cutterhead Design	W. BURGER
09.45 – 10.30:	Chamber Access & Compressed-Air Works	W. BURGER
10.30 – 11.00:	Coffee break	
11.00 – 11.45:	Soil Conditioning & Slurry Operation	M. THEWES
11.45 – 12.30:	Environment: Mucking, Water, Chemistry & Noise	H.CLAUSSEN & M. GARCIA (BASF local)
12.30 – 14.00:	Lunch	

Session 4: Management and Examples

14.00 – 14.45:	Selection of TBMs – Case histories – Part I: Soft Ground & Heterogeneous Conditions	K. BÄPPLER (HK)
14.45 – 15.30:	Selection of TBMs – Case histories – Part II: Hard Rock	K. BÄPPLER (HK)
15.30 – 16.00:	Coffee Break	
16.00 – 16.45:	Example on Brazilian Tunnelling	E. PEEV (HK Local)
16.45 – 17.30:	Tunnel & Site Logistics	W. BURGER (HK)
17.30 – 18.00:	Questions/answers & Closing Remarks	

Updated: 22/02/2013