



BRAZILIAN
TUNNELLING
COMMITTEE



CBT
COMITÊ
BRASILEIRO
DE TÚNEIS



SEMINAR ON IMMERSED TUNNELS

The Brazilian Tunnelling Committee - CBT, in partnership with ITACET-Foundation for Educational and Training on Tunnelling and Underground Space Use, invites everyone to the Seminar on Immersed Tunnels.

Objetivo: Design and Construction of Immersed Tunnels.

Friday 08 November - 08:00 - 18:00

08:00-08:45 – Registration

Session 1: Overview and Introduction

08:45- 09:00 Welcome and Opening – HUGO C. ROCHA – President of Brazilian Tunnelling Committee

09:00- 09:30 Overview of Immersed Tunnels in Brazil- TARCÍSIO B. CELESTINO - Themag Engenharia - Project Manager

09:30-10:15 Overview of Immersed Tunnels (ITA Working Group 11) - JONATHAN BABER - Proj. Director Mott MacDonald, Animateur WG11

10:15-10:30 Coffee Break

10:30 - 11:15 Owner's Perspective – MICHAEL TONNESEN – Chief Project Manager, Cowi A/S

11:15-12:00 Types Of Immersed Tunnel - JONATHAN BABER – Proj. Director Mott MacDonald, Animateur WG11

12:00-12:45 Determining internal Space Requirements incl. Utilities, Drainage, Ventilation, Fire- HANS de WIT- Managing Director Tunnel Engineering Consultants (TEC)

12:45- 14:00 Lunch

Session 2: Sizing and Designing the Structure

14:00-14:45 Alignment and Extent of Immersed Tunnel - MICHAEL TONNESEN – Chief Project Manager, Cowi A/S

14:45-15:30 Structural Design and Analysis - JONATHAN BABER – Proj. Director Mott MacDonald, Animateur WG11

15:30-15:45 Coffee Break

15:45-16:30 Geotechnical Issues, islands, Ground Improvement - HANS de WIT- Managing Director Tunnel Engineering Consultants (TEC)

16:30-17:30 Questions and Answers – Round Table Style -

Saturday 09 November - 09:00 - 18:00

Session 3: Construction, Afloat and Geotechnical

09:00-09:45 Construction Sequence, Joints and Early Age Crack Control - JONATHAN BABER – Proj. Director Mott MacDonald, Animateur WG11

09:45-10:30 Launching, Towing, Outfitting and Immersion - HANS De WIT- Managing Director Tunnel Engineering Consultants (TEC)

10:30-10:45 Coffee break

10:45-11:30 Dredging Backfill, Foundations and End Connections to the Surface- CHRISTIAN INGERSLEV, Consultant

11:30-12:45 Case Studies –(3x15) MICHAEL TONNESEN – Chief Project Manager, Cowi A/S / MICHAEL TONNESEN – Chief Project Manager, Cowi A/S / HANS De WIT- Managing Director Tunnel Engineering Consultants (TEC) / CHRISTIAN INGERSLEV, Consultant

12:45-14:00 Lunch

Session 4: Risk Management, Operation and Maintenance

14:00-14:45 Completing the Tunnel Interior - HANS de WIT- Managing Director Tunnel Engineering Consultants (TEC)

14:45-15:30 Safety and Managing Project Risk- MICHAEL TONNESEN – Chief Project Manager, Cowi A/S

15:30-15:45 Coffee Break -

15:45-16:30 Operation and Maintenance - CHRISTIAN INGERSLEV, Consultant

16:30-17:30 Round Table -

17:30-18:00 Closing Remarks- JONATHAN BABER – Proj. Director Mott MacDonald, Animateur WG11

