

# Fundamentals for the management of an immersed tunnel project

## Three day workshop

29th - 31st Oct, 2024, Itajai, Brazil



The objective of this workshop is to provide an overview of the design, the construction and the operation of immersed road tunnels which require a specific approach and know-how. This workshop covers all aspects from the initial design phases to the maintenance of the infrastructure, detailing the specific features of immersed tunnels.

### Topics:

- Introduction into immersed tunnels
- Structural design and analysis
- Geotechnical issues
- Owners perspective
- Dredging
- Tunnel interior
- M&E systems
- Case study
- Operation and maintenance
- Safety and project risk

# Fundamentals for the management of an immersed tunnel project

**29th October 2024**

**Overview and introduction, sizing and design**

**11:00 – 11:15 Welcome and opening**

**11:15 – 12:00 Introduction into immersed tunnels - Planning, design, construction methodology**

*/Marcel 't Hart, Peter van Westendorp, Hans Mortier, Tommy Olsen/*

**12:00 – 12:45 Case study**

*/Marcel 't Hart, Peter van Westendorp, Hans Mortier, Tommy Olsen/*

**12:45 – 13:00 Q&A**

**14:00 – 14:45 Introduction into immersed tunnels**

*/Peter van Westendorp/*

**14:45 – 15:30 Determining internal spaces**

*/Hans Mortier/*

**15:30 – 16:15 M&E and Fire & Life Safety**

*/Tommy Olsen/*

**16:15 – 16:30 Coffee break**

**16:30 – 17:15 Structural design and analysis**

*/Marcel 't Hart/*

**17:15 – 18:00 Geotechnical issues**

*/Hans Mortier/*

**18:00 – 18:45 Global construction sequence**

*/Peter van Westendorp/*

**18:45 – 19:30 Q&A – Round table**

Register here!



Event location

AMFRI - Associação dos Municípios da Região da Foz do Rio Itajaí

Rua Luíz Lopes Gonzaga, 1655 - São Vicente, Itajaí - SC, 88309-421

**30th October 2024**

**Construction and geotechnical challenges**

**13:30 – 14:15 Owners perspective**

*/Marcel 't Hart/*

**14:15 – 15:00 Fehmarnbeltlink - Owners perspective**

*/Kim Smedegard - On-line lecture/*

**15:00 – 15:45 Dredging**

*/Hans Mortier/*

**15:45 – 16:30 Connecting the tunnel to existing infrastructure**

*/Marcel 't Hart/*

**16:30 – 16:45 Coffee break**

**16:45 – 17:30 Case study**

*/Peter van Westendorp/*

**17:30 – 18:15 Backfill, foundations, connections to land structures**

*/Marcel 't Hart/*

**18:15 – 19:00 Tunnel interior**

*/Tommy Olsen/*

**19:00 – 19:30 Q&A – Round table**

**31st October 2024**

**Operations, risks and maintenance**

**14:00 – 14:45 Launching towing outfitting and immersion**

*/Peter van Westendorp/*

**14:45 – 15:30 Case study Shenzhen – Zhongshan**

*/Jian Liu – Online lecture/*

**15:30 – 15:45 Coffee break**

**15:45 – 16:30 Operation and maintenance**

*/Hans Mortier/*

**16:30 – 17:15 Project risk**

*/Tommy Olsen/*

**17:15 – 18:00 Q&A and closing remarks**