

**Objective:** Design and Construction of Immersed Tunnels.

## Tentative Programme

### Day 1

#### Session 1: Overview and Introduction

- 09.00 – 09.30: Welcome and Opening: ITA and concerned country representatives
- 09.30 – 10.30: Overview of Immersed tunnels
- 10.30 – 11.00: Coffee Break
- 11.00 – 11.45: Owner's Perspective
- 11.45 – 12.30: Types of Immersed Tunnel
- 12.30 – 14.00: Lunch

#### Session 2: Sizing and Designing the Structure

- 14.00 – 14.45: Determining Internal Space Requirements
- 14.45 – 15.30: Utilities, Drainage, Ventilation, Fires and Protection against Fires
- 15.30 – 16.00: Coffee Break
- 16.00 – 16.45: Alignment and Extent of Immersed Tunnel
- 16.45 – 17.30: Structural Design and Analysis
- 17.30 – 18.00: Questions and Answers

### Day 2

#### Session 3: Construction, Afloat and Geotechnical

- 09.00 – 09.45: Construction Sequence, Joints and Early Age Crack Control
- 09.45 – 10.30: Launching, Towing and Outfitting
- 10.30 – 11.00: Coffee break
- 11.00 – 11.45: Geotechnical Issues, Islands, Ground Improvement and Dredging
- 11.45 – 12.30: Foundation, Backfill, Protection and End Connections to the Surface
- 12.30 – 14.00: Lunch

#### Session 4: Final Operations, Risk and the Future

- 14.00 – 14.45: Element Immersion, Joining and Temporary Support
- 14.45 – 15.30: Completing the Interior and Foundation, Operation and Maintenance
- 15.30 – 16.00: Coffee Break
- 16.00 – 16.45: Submerged Floating Tunnels
- 16.45 – 17.30: Safety and Managing Project Risk
- 17.30 – 18.15: Submerged Floating Tunnels possible development
- 18.15 – 18.30: Closing Remarks