

Abu Dhabi 5-6 October 2010

Design and Construction of Immersed Tunnels

Programme - Tuesday 5th October

Session 1: Overview and Introduction

09.00 – 09.30: Welcome and Opening: ITA and country representatives - *Christian Ingerslev*

09.30 – 10.30: Overview of Immersed tunnels - *Christian Ingerslev*

10.30 – 11.00: Coffee Break

11.00 – 11.45: Owner's Perspective - *Michael Tonnesen*

11.45 – 12.30: Types of Immersed Tunnel - *Jon Baber*

12.30 – 14.00: Lunch

Session 2: Sizing and Designing the Structure

14.00 – 14.45: Determining Internal Space Requirements - *Jon Baber*

14.45 – 15.30: Utilities, Drainage, Ventilation, Fires & Fire Protection - *Christian Ingerslev*

15.30 – 16.00: Coffee Break

16.00 – 16.45: Alignment and Extent of Immersed Tunnel - *Michael Tonnesen*

16.45 – 17.30: Structural Design and Analysis - *Hans de Wit*

17.30 – 18.00: Questions and Answers - *Christian Ingerslev*

Programme - Wednesday 6th October

Session 3: Construction, Afloat and Geotechnical

09.00 – 09.45: Construction Sequence, Joints and Early Age Crack Control - *Jon Baber*

09.45 – 10.30: Launching, Towing and Outfitting - *Hans de Wit*

10.30 – 11.00: Coffee break

11.00 – 11.45: Geotech. Issues, Islands, Ground Improvement & Dredging - *Hans de Wit*

11.45 – 12.30: Foundation, Backfill, Protection & End Connections to Surface - *Hans de Wit*

12.30 – 14.00: Lunch

Session 4: Final Operations, Risk and the Future

14.00 – 14.45: Element Immersion, Joining and Temporary Support - *Michael Tonnesen*

14.45 – 15.30: Completing Interior & Foundation, Operation & Maintenance - *Jon Baber*

15.30 – 16.00: Coffee Break

16.00 – 16.45: Submerged Floating Tunnels - *Christian Ingerslev*

16.45 – 17.30: Safety and Managing Project Risk - *Michael Tonnesen*

17.30 – 18.00: Closing Remarks - *Christian Ingerslev*