The 12th
Australian Tunnelling Conference

21-22 November 2013 | Pullman Melbourne Albert Park

Featuring international case studies:

- Addressing the geotechnical challenges and solutions for the Port of Miami Tunnel Project
  Roger Storry, Geotechnical Director, Bouygues Civil Works

- Fehmarnbelt Fixed Link Tunnel - Designing the longest and deepest fixed link tunnel
  Dr Alun Thomas, Head of Tunnels, Department, Ramboll

Latest project updates & presentations from:

- Simon Knight, Chairman, National Executive Committee, Australasian Tunnelling Society
- Rodd Staples, Project Director, North West Rail Link, Transport for NSW
- David Polkinghorne, Design Team Leader, Thiess John Holland Dragados Joint Venture
- Stefan Hanke, Construction Director - The Well-Connected Alliance, Waterview Connection (Auckland NZ), McConnell Dowell
- Senior representative, WestConnex
- Matteo Ortu, Tunnel Construction Manager, Ghella
- Ken Mathers, CEO, Linking Melbourne Authority
- Garret O’Connor, Project Director, Transurban
- Andrew Axton, Deputy Construction Manager, GLNG
- Scott Connor, Senior Project Engineer, Narrows Marine Tunnel, Thiess
- Geoff Rayner, Chief Operating Officer, Linking Melbourne Authority
- Christian D’Hôndt, Project Manager, Tunnelling, CECT project, Thiess
- Matthew Norbert, Principal Tunnel Engineer, GHD
- Sam Cutting, Senior Project Engineer, John Holland
- Albrecht Mueller, Engineering Manager – Tunnelling, Engineering, Lend Lease
- Dr. Stefan Bernard, Managing Director, TSE Pty Ltd
- Will Freelander, Perth City Link – Section Manager, John Holland

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informa
DAY ONE: Thursday 21st November 2013

8.30 Registration and coffee

9.00 Opening remarks from the Chair
Simon Knight, Chairman, National Executive Committee, Australasian Tunnelling Society

9.10 Speed networking
Get to know you peers right from the start with this informal speed networking session. Bring your business cards.

9.20 INTERNATIONAL CASE STUDY
Fehmarnbelt Fixed Link Tunnel
“The Fehmarnbelt Immersed Tunnel connecting Germany and Scandinavia accommodates a four lane motorway and a double track railway. With a length of 18 km, a width of 42m and foundation depths reaching more than 40m below sea level the tunnel is set to be the longest and one of the deepest tunnels of this type ever built”
- Current project status
- Planning and design progress
- New design developments in Approval Design and efficient production methods
- Update on the up-coming tender process
Dr. Alun Thomas, Head of Tunnels, Ramboll

10.00 CURRENT PROJECTS
Constructing the Gladstone Narrows Crossing Tunnel
- Overview of GLNG pipeline project
- Turning an idea into “ready to bore” within one year
- Fast track planning: Utilising available equipment without a geotechnical baseline
- Innovating excellence: Developing a multipurpose shaft design, harnessing unconventional construction methods, and quick launching of TBM
- Pipe installation methodology
- Gladstone’s legacy
Andrew Axton, Deputy Construction Manager, GLNG
Scott Connor, Senior Project Engineer, Narrows Marine Tunnel, Thiess

10.30 Networking break & refreshments

11.10 SPOT LIGHT: Sydney’s North West Rail Link
Project update, status & outlook
- Project overview & status
- Timelines & updates
- Tunnel design & construction
Rodd Staples, Project Director, North West Rail Link, Transport for NSW

11.40 Construction & technical update
- NWRL Tunnels and Stations Civil Design and Construction Team
- Design Process and Challenges
- Site Planning and TBM Procurement
David Polkinghorne, Design Team Leader, Thiess John Holland Dragados Joint Venture

12.00 PANEL Q&A: NORTH WEST RAIL LINK

12.15 The Waterview Connection Project, Auckland, NZ
- Project history and concept
- Alliance delivery model
- Key features of the project & design
- Construction progress & construction process developed for invert construction behind the TBM
Stefan Hanke, Construction Director, The Well-Connected Alliance, McConnell Dowell

12.45 Lunch & networking break

1.45 Perth City Link
Will Freeland, Perth City Link – Section Manager, John Holland

GUIDELINES & TUNNEL STANDARDS
2.15 European standards, guides and their effect on Australian practice
- Testing to European standards as opposed to Australian standards and other standards
- Design of FRC members according to the 2010 Model Code, and shotcrete lining design
Dr. Stefan Bernard, Managing Director, TSE Pty Ltd

3.45 New technology discussion

4.15 CASE STUDY: Design aspects for the Legacy Way road tunnel
- TBM launch structure
- TBM tunnel lining and grouting
- Cross passage openings
- Cross passage blasting next to tunnel lining
Mathew Norbert, Principal Tunnel Engineer, GHD

4.45 FUTURE SPOTLIGHT: Outlook for Sydney’s WestConnex
Senior representative, WestConnex

5.15 Close of day one & remarks from the Chair

5.20 Informa invites all speakers and delegates to discuss the day’s presentation at the informal drinks reception

DAY TWO: Friday 22nd November 2013

8.30 Registration and coffee

9.00 Opening remarks & recap day one from the Chair
Simon Knight, Chairman, National Executive Committee, Australasian Tunnelling Society

INTERNATIONAL CASE STUDY

Geotechnical challenges and solutions at the Port of Miami Tunnel Project

- Tunnelling beneath busy shipping channel and PortMiami
- South Florida challenging carbonate sedimentary ground conditions
- Modified tunnelling process – 12.87m dia. EBP TBM using water control process
- Extensive ground treatment – cutter soil mixing, MMG grouting & ground freezing

Roger Storry, Geotechnical Director, Bouygues Civil Works

CURRENT PROJECTS

Project update: Legacy Way Tunnel

- TBM Productivity
- TBM Disassembly
- Cross Passage excavation and lining
- Backfill operation
- Smoke duct construction

Matteo Ortu, Tunnel Construction Manager, Ghella
Michael Huber, TBM Plant Manager, Trancity JV

West to East: Continuous Improvement from City West to City East Cable Tunnel

- Flexural strength assessment of steel fibre reinforced precast concrete segmental lining
- Annulus grouting of segmental lining
- Modification for the TBM supplier’s injection system to provide intra tail-skin mixing, eliminating concerns of grout wash-out
- A hard dollar tender to Early Contractor Involvement (ECI)
- Lessons learnt from City West Cable Tunnel for cast in situ lining
- Specification and procurement of a Bespoke TBM
- Addressing plant/pedestrian separation

Christian D’Hondt, Project Manager, Tunnelling, CECT project, Thiess

St Helena Tunnel, Pacific Highway upgrade

- Project overview and progress
- Geology and temporary support
- Waterproofing and permanent lining
- Albert health Mueller, Engineering Manager – Tunnelling, Engineering, Lend Lease

Hills Motorway M2 upgrade Norfolk Tunnel widening

- Roof support design and interface with the existing structure
- Fire and life safety systems
- Excavation methodology and sequencing
- Traffic management and maintaining motorway operations

Garret O’Connor, Project Director, Transurban

Project Update: Sydney Opera House VAPS

Sam Cutting, Senior Project Engineer, John Holland
Ben Clarke, Design Manager, John Holland

FIRE & LIFE SAFETY

Examining global trends in fire suppression systems

For latest speaker updates visit www.informa.com.au/tunnelling2013

Please visit the website for regular updates and changes to the program. Be kept in the loop with this event via LinkedIn, Twitter, YouTube and our Blog. Full details at www.informa.com.au/tunnelling2013
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<td>2 day conference</td>
<td>$1995 + $195.50 GST = $2194.50</td>
<td>$2595 + $259.50 GST = $2854.50</td>
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<tr>
<td>2 day conference + workshop</td>
<td>$2695 + $269.50 GST = $2964.50</td>
<td>$3495 + $349.50 GST = $3844.50</td>
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<td>Workshop only</td>
<td>$700 + $70 GST = $770</td>
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Conference Venue
Pullman Melbourne Albert Park (formally: The Sebel Albert Park)
65 Queens Road, Melbourne Victoria 3004
Phone: (03) 8554 2813
www.pullmanhotels.com

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Exclusive delegate packages are available, visit the "Venue, Accommodation & Travel" page on the event website for details. Travel and accommodation costs are not included in the conference fees.

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Registration Fees Include
Entrance to the relevant conference package purchased plus refreshments, lunch and online access to available presentations (five working days post event). They do not include airfares or hotel rooms.

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