

TUNNELS SUMMIT NSW

EXPLORING THE FUTURE OF
AUSTRALIA'S TUNNEL
INFRASTRUCTURE

TUESDAY 24 OCTOBER 2023

DOLTONE HOUSE HYDE PARK,
SYDNEY



SPEAKERS



ETH zürich



Antonia Cornaro

International Expert -
Underground Space



ventia

Alex Monson

Group Manager - Sustainability



Jacobs

Katerina Monemvasioti

Area Manager - Sydney Metro
West Tunneling Package



M sydney
METRO

Richard Lau

Associate Director Engineering



Transurban

Gunhan Guven

Head of Planning and
Maintenance NSW



WEST GATE TUNNEL
PROJECT

Tarek Sheikh

Deputy Director - Tunnels,
Buildings & MEI

KEY TOPICS

- Delivering cost-effective & structurally sound tunneling projects
- Uplifting sustainable practices in tunnel operations
- Achieving operational excellence & approaching technical & structural risks

WHO WILL ATTEND?

- Heads of Tunnel Project Delivery
- Heads of Structural & Technical Engineering
- Heads of Tunnel Design & Construction
- Heads of Tunnel Maintenance & Operations
- Heads of ITS Systems & Tunnelling Technology
- Heads of Tunnel Fire Safety & Sustainability

SUMMIT AGENDA

TUESDAY 24 OCTOBER 2023

8:30 REGISTRATION, COFFEE & NETWORKING

9:00 WELCOME REMARKS

9:10 ATTENDEE SPOTLIGHT



Discussing the biggest challenges with tunnel sustainability across your current tunnel packages

9:40 PANEL DISCUSSION: DELIVERING COST-EFFECTIVE & STRUCTURALLY SOUND TUNNELING PROJECTS

- Improving communication & collaboration at the early stages of design & construction
- Working with contractors, operators and public bodies on knowledge transfer & project delivery
- Working with executive stakeholders to draft a realistic timeline for project completion
- Collaborating externally & internally to achieve positive outcome through sustainable practices

Tarek Sheikh, Deputy Director Tunnels, West Gate Project Victoria

Paul Thomas, Construction Director, North East Link Project Victoria

Richard Kabbaj, Project Control Director, Westconnex 3A, Bouygues Construction Australia

Katerina Monemvasioti, Area & Design Interface Manager, Jacobs

10:30 CASE STUDY: IMPLEMENTING LEVERAGING IOT TO OVERSEE AND IMPROVE TRANSPORT SYSTEMS

Shervin Fathinia, Outcomex

11:00 MORNING TEA & NETWORKING

11:30 KEYNOTE PRESENTATION: UPLIFTING SUSTAINABLE PRACTICES IN TUNNEL OPERATIONS

Alexandra Monson, Group Manager Sustainability, Ventia

12:00 CASE STUDY: APPROACHING TUNNEL MAINTENANCE USING CONDITION MONITORING ASSESSMENT

Elon Solomona, SICK

12.30 LUNCH & NETWORKING



1.00 INTERACTIVE WORKSHOPS

- Exploring effective M&E practices across tunneling projects
- Reinforcing operational capabilities in aging tunnels by repairing structures & old concrete in existing tunnel assets
- Best practices for cost-effective tunnel proofing, invert drain & ground water filtration management
- Enhancing tunnel life-cycle durability through quality tunnel segments and pre-cast lining

1.00 PANEL DISCUSSION: ACHIEVING OPERATIONAL EXCELLENCE & APPROACHING TECHNICAL RISKS

- Discussing best practices for tunnel inspections, upgrades & extending tunnel life cycle
- Achieving consistency in operations & maintenance
- Collaborating on technical & D&C risk transfer
- Exploring the early stages of involvement

Alex Gomes, Chief Technical Principal - Tunnels and Underground, SMEC

Gunhan Guven, Head of Planning & Maintenance NSW Transurban

Richard Lau, Associate Director Engineering, Sydney Metro

Evan Lo, Director, Structures Review & Standards, Department of Transport and Main Roads QLD

1.50 CASE STUDY: IMPROVING SAFETY OF TUNNELS BY USING INTELLIGENT TRANSPORT SYSTEMS

2.30 AFTERNOON TEA & NETWORKING

3:30 INTERNATIONAL KEYNOTE: THE FUTURE OF TUNNEL STRUCTURES IN MODERN CITIES



Antonia Cornaro, Expert Underground Space, Amberg Engineering & ETH Zürich

3:30 CLOSING REMARKS FOLLOWED BY NETWORKING DRINKS