

## DAY ONE | Monday 5<sup>th</sup> August 2024

### CONNECT RAIL PLENARY DAY ONE

- 8.15 Registration and morning refreshments**
- 9.00 Welcome to Country**  
Uncle Allen Madden, Respected Gadigal Elder, Cultural Representative for the Metropolitan Local Aboriginal Land Council
- 9.10 OPENING | Opening remarks from the Chair**  
Georgia Gosse, *Principal, Infrastructure Advisory, Aurecon*
- 9.20 FEDERAL GOVERNMENT KEYNOTE**  
**Working with industry to manufacture the rail skills for a Future Made in Australia**  
Senator the Hon Tim Ayres, **Assistant Minister for a Future Made in Australia, Assistant Minister for Trade, Australian Government**
- 9.40 KEYNOTE ADDRESS | Regulator's role in introducing new technologies, decarbonisation and automation**  
Dr Natalie Pelham, *Chief Executive, ONRSR*
- 10.10 KEYNOTE ADDRESS | A better rail system for Australia**  
Michael Hopkins, *Chief Executive Office and Commissioner, National Transport Commission*
- 10.40 Networking and refreshment break**
- 11.10 PANEL DISCUSSION | State of the Nation**  
**Moderator:** Naomi Dickinson, *Managing Director, Redding Consulting*  
Ian Porter, *First Assistant Secretary, Data Research, Strategy and Net Zero, Department of Infrastructure, Transport, Regional Development, Communications and the Arts, Australian Government*  
Greg Cox, *First Assistant Secretary, Commonwealth Infrastructure Projects, Department of Infrastructure, Transport, Regional Development, Communications and the Arts, Australian Government*  
Darren McNamara, *Director Strategy-Freight, Transport for NSW*  
Peter Papantoniou, *General Manager (Rail Infrastructure Delivery), Translink*  
Dr Jim Altham, *Sustainability Coordinator, Infrastructure Planning and Land Services, Public Transport Authority of Western Australia*
- 12.00 Global perspectives on the latest advancements and innovations in rail services including opportunities within the local Australian market**  
Matt Byrne, *Services Product Line President & Global D&I Lead, Alstom*
- 12.30 An update on the carbon market in Australia and its economic implications**  
Vivek Dhar, *Director - Mining and Energy Commodities Research, Commonwealth Bank*
- 13.00 Rail Reform – Less Words, More Action!**  
Damien White, *CEO, RISSB*
- 13.15 Lunch and networking break**

CONCURRENT CONFERENCE STREAMS	
RAIL DECARBONISATION	RAIL OPERATIONS
<b>Welcome from Chair</b> Georgia Gosse, <i>Principal, Infrastructure Advisory, Aurecon</i>	<b>Welcome from Chair</b>
<b>14.10 PTA WA-Developing our 2050 net zero transition plan</b> Dr Jim Altham, <i>Sustainability Coordinator, Infrastructure Planning and Land Services, Public Transport Authority of Western Australia</i>	<b>14.10 AI CASE STUDY   Practical uses for Artificial Intelligence in rail</b> Mark Wood, <i>Chief Technology Officer, 4AI Systems &amp; General Manager, Communications &amp; Electronics, 4Tel</i> Tony Austen, <i>Locomotive Engineering Manager, Pacific National</i>
<b>14.25 Climate resilience: Setting the scene for the next few years</b> Anitra Hobby, <i>ESG Principal, Pacific National</i>	<b>14.25 Rail yard full automation - From swarm logic to AI</b> Kevin Lill, <i>Principal Optimisation, Rail Digital, Rio Tinto Iron Ore (RTIO)</i>
<b>14.50 What does Aurizon's transition to net-zero look like?</b> Roger Buckley, <i>Fleet Decarbonisation Manager, Aurizon &amp; Damien Harding, Principal, Harding Innovation Consulting</i>	<b>14.50 The future of digital engineering: Improving data management</b> Simon Vaux, <i>CEO, DEOS Digital</i>
<b>15.15 CASE STUDY   Understanding scope 3 emissions - Queensland Rail's findings</b> Troy Harrison, <i>Manager Environment Strategy, Queensland Rail</i>	<b>15.15 Digital twin implementation</b> Jenny Tseng, <i>Technical Director &amp; AUS Digital Delivery Practice Lead, Mott Macdonald</i>
<b>15.40 Networking and refreshment break</b>	
<b>16.10 An update on the safeguard mechanism</b> Edwina Johnson, <i>Branch Head, Safeguard Mechanism and Carbon Leakage Review, Department of Climate Change, Energy, the Environment and Water</i>	<b>16.10 Smarter, safer, innovation-led rail solutions for the future</b> Naomi Dickinson, <i>Managing Director, Redding Consulting</i>
	<b>16.30 CASE STUDY   Safe Access for Maintenance Program</b> Moscow Mok, <i>Associate Director, Asset Scheduling &amp; Delivery Co-ordination, Sydney Trains</i>
<b>16.35 INTERNATIONAL KEYNOTE ADDRESS   Transport for London's approach to decarbonisation, extreme weather and climate resilience</b> Sam Longman, <i>Head of Sustainability and Corporate Environment, Transport for London and Deputy Chair, The London Climate Ready Partnership</i>	<b>16.50 PROJECT UPDATE   High Speed Rail in Australia</b> Graham Nelmes, <i>General Manager Customer, Place and Operations, High Speed Rail Authority</i>
<b>17.00 PANEL DISCUSSION   Reporting and requirements around scope 3 emissions</b> <b>Moderated by:</b> Georgia Gosse, <i>Principal, Infrastructure Advisory, Aurecon</i> Troy Harrison, <i>Manager Environment Strategy, Queensland Rail</i> Mamta Shetty, <i>ESG Principal, Pacific National</i> Dr Samuel Parsons, <i>Director Environment and Sustainability, V/Line Corporation</i>	<b>17.10 INTERNATIONAL ADDRESS   Unlocking the Potential of High-Speed Rail</b> Gaku Kawabe, <i>Vice President, High Speed Rail Platform, Alstom</i>
<b>17.40 Closing remarks from the Chair</b>	

# CONNECT RAIL



5-6 August 2024 | Sofitel Sydney Wentworth

17.45 End of Day One & Exhibition Networking Drinks

## CONNECT RAIL: CONFERENCE DAY TWO | Tuesday 6<sup>th</sup> August 2024

8.15 Registration and morning refreshments

### CONCURRENT CONFERENCE STREAMS

#### RAIL DECARBONISATION

#### RAIL INFRASTRUCTURE

9.00 Welcome from Chair

Jane Gillespie, *Rail Decarbonisation Leader*

9.00 Welcome from Chair

9.05 **INTERNATIONAL KEYNOTE ADDRESS** | **Building a sustainability legacy at City Rail Link**

Carolyn Cox, *Sustainability Manager* | *Kaiwhakahaere Rauora*, **City Rail Link Ltd**

9.05 **Securing the Future: Cybersecurity Innovations in Rail Transport**

Gursimran Tiwana, *Cybersecurity Manager*, **Alstom**

9.30 **PANEL DISCUSSION** | **Decarbonisation leaders- Strategic overview**

**Moderated by:** Jane Gillespie, *Rail Decarbonisation Leader*

Brian Brennan, *Chief Executive Officer*, **Transdev**

**Australia & New Zealand**

Rob Ramsden, *Principal Energy, & Climate Change Capability*, **Rio Tinto**

Joo Yin Ong, *Green Transport Leader, Trading & Transition*, **Energy Australia**

Dean Newburn, *Regional Vice President Services - Asia Pacific*, **Wabtec Corporation**

9.30 **Complying with the Security of Critical Infrastructure (SOCI) Act and navigating technology risks in a digitally connected world**

Alexis Nguyen, *Principal Consultant - Governance and Cyberworthiness*, **Systra**

9.55 **Targeted sweating the railway assets to improve sustainability of railways with environmental impact**

Professor Ravi Ravitharan, *Director*, **Monash Institute of Railway Technology**

### 10.20 Networking and refreshment break

10.50 **Australia's pipeline to synthetic fuels in Rail**

Jane Gillespie, *Rail Decarbonisation Leader*

Dr Amy Philbrook, *Hydrogen Technical Leader - Australasia*, **Arup**

10.50 **Melbourne's bigger, better trains, more often**

Lisa Wetuschat, *Director HCS Implementation HCMT, Rail & Transit Systems*, **Downer**

11.15 **Green mobility in Australia - The long and winding road to net carbon zero**

Ian Shore, *Strategy & Innovation Director*, **Alstom**

11.15 **Quantitative assessment of visibility of locomotives**

Dr. Elias Kassa, *Principal Track Engineer, Team Leader Track Infrastructure*, **Monash Institute of Railway Technology**

11.40 **Can DME Save Diesel?**

Frank Szanto, *Technical Director - Rolling Stock*, **Jacobs**

11.40 **Innovation in customer mobility: Connecting communities with data-driven mobility services**

Brian Brennan, *Chief Executive Officer*, **Transdev Australia & New Zealand**



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<p><b>12.05 The diamond creek energy storage unit – Performance analysis</b>          Ian Cook, <i>Power Modelling Manager, Metro Trains Melbourne</i></p>	<p><b>12.05 Australia’s CBTC Journey</b>          Dr Frank Heibel, <i>Director, Doc Frank Rail Services</i></p>
<p><b>12.30 Lunch and networking break</b></p>	
<p><b>13.30 PANEL DISCUSSION   Safety standards for new energy technology</b>  <b>Moderated by:</b> <i>Dr Tim Kuypers, Board Member, RISSB</i>  <i>Anitra Hobby, ESG Principal, Pacific National</i>  <i>Roger Buckley, Fleet Decarbonisation Manager, Aurizon</i>  <i>Marcelle Elzerman, Engagement Manager, Standards Australia</i></p>	<p><b>13.30 Pressure and airflow generated in Sydney Metro tunnels</b>  <i>Yael Bornstein, Manager Engineering, Sydney Metro Authority</i>  <i>Rod Sweeting, Principal Engineer, EngAnalysis</i></p>
<p><b>14.10 Assessing diesel rolling stock conversion for net zero operations?</b>  <i>Oliver Fong, Technical Director - Rolling Stock Lead, VIC, Mott MacDonald</i>  <i>Jayden Thomas, Rolling Stock Performance Engineer, Mott MacDonald</i></p>	<p><b>13.55 AI as a tool for proactive fault detection</b>  <i>Dominic Abraham, Production Manager, Metro Trains Melbourne + Najmul Qureshi, Lead Data Scientist, Metro Trains Melbourne</i></p>
<p><b>14.35 INTERNATIONAL KEYNOTE ADDRESS   The European Green Deal</b>  <i>Keir Fitch, Head of Rail Safety and Interoperability Unit DG Mobility and Transport, European Commission</i></p>	<p><b>14.20 Intelligent infrastructure</b>  <i>Richard Tullo, Director, Asset Management &amp; Maintenance, Network Rail Consulting</i></p>
<p><b>14.45 Networking and refreshment break</b></p>	

**CONNECT RAIL PLENARY DAY TWO**

**15.20 INDUSTRY SPOTLIGHT PANEL: THE CHANGE MAKERS, ADOPTERS + DRIVERS**

**What new technologies can we expect in the next 20 years and how will we use them?**

**Collaboration in a time of rapid digital transformation**

**Moderated by:** *Carla Garvie, Commercial Director, Alstom Australia & New Zealand*

*Pascal Dupond, Managing Director, Alstom Australia & New Zealand*

*Kerry Maidment-Groce, Head of Technology Capability - Safety & Systems, ARTC*

*Dr Christian Christodoulou, Chief Engineer, Transport for NSW*

*Naomi Dickinson, Managing Director, Redding Consulting*

**16.00 KEYNOTE | Pathways, projects and people: A trackside chat on what matters most**

*Ann Tomlinson, Founder, Alium Works & RISSB Industry Safety Professional of the Year Winner*

*Anne Moddero, Managing Director, Swietelsky Rail Australia & 2024 Women in Industry Excellence in Transport Winner*

**16.40 Next Generation Scholarship Presentations**

**16.50 RSSB’s Sustainable Rail Blueprint: Delivering an industry-wide sustainability strategy for rail in Great Britain**

*Thom Rawson, Sustainable Rail Principal, RSSB UK*

**17.20 Closing remarks from the Chair**

**17.25 END OF CONFERENCE**