AGENDA
3.00 - 5.00pm Tuesday 1 August 2023

Covering the topics of:

- Safety
- Accessibility
- Environment and Human Factors

Tues 1 Aug	Topic	Presenter
3.00 – 3.05pm	Welcome and format overview	Australasian Railway Association
3.05 – 3.15pm	Safety	**Area9 Lyceum -** *Artificial intelligence eLearning platform that improves productivity and safety and reduces risk.*
3.15 – 3.25pm		**Monash Institute of Railway Technology -** *Monitoring system that can monitor and characterise the behaviour of passenger and vehicle behaviour to improve safety.*
3.25 – 3.35pm		**Position Partners -** *Critical infrastructure monitoring solution utilising sensor technology to gain insights into events at remote locations.*
3.35– 3.45pm		**Rail Control Systems Australia -** *Speed Proving technology that ensures crossings operate with consistent minimum warning time.*
3.45 – 3.50pm		**Question time**
3.50 – 4.00pm	Accessibility	**Rofraus** – *Technology allowing safe and reliable access to public transport.*
4.00 – 4.10pm		**Dura Composites –** *A Glass Reinforced Polymer (GRP) station platform solution.*
4.10 – 4.20pm		**Question time**
4.20 – 4.30pm	Environment and Human Factors	**Pandrol Australia –** *Using a Sustainable Resilient System to reduce maintenance periods and prolong infrastructure lifecycle.*
4.30 – 4.40pm		**RWDI –** *Noise monitoring solution that identifies and tracks maintenance issues.*
4.40 – 4.50pm		**Strailastic Australia -** *Aesthetic Sustainable recycled tools for a quieter railway.*
4.50 – 4.55pm		**Question Time**
4.55 - 5.00pm	Wrap up	Australasian Railway Association

AUSTRALASIAN
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MEET THE INNOVATOR

MEMBER-ONLY WEBINAR SERIES

1 -3 August 2023

AGENDA

3.00 - 5.00pm Wednesday 2 August 2023

Covering the topics of:

- Energy efficiency, emissions reduction and decarbonisation
- Sustainability and sustainable products
- Asset Management

Wed 2 Aug	Topic	Presenter
3.00 – 3.05pm	Welcome and format overview	Australasian Railway Association
3.05 – 3.15pm	Energy efficiency, emissions reduction and decarbonisation	**ABB Australia** - *Energy efficient and flexible traction converter for vehicle design and retrofitting.*
3.15 – 3.25pm		**DB Engineering & Consulting -** *zero emissions technologies including battery electric and hydrogen power, for railway applications.*
3.25 – 3.35pm		**Klueber Lubrication Australia -** *Next generation wheel bearing grease that reduces frictional resistance and improves energy efficiency.*
3.35 – 3.45pm		**Knorr Bremse Australia –** *Alternate forms of refrigerants in transition to non-hydroflurocarbons.*
3.45 – 3.50pm		**Question time**
3.50 – 4.00pm	Sustainability and sustainable products	**Arup –** *Consulting expertise on selection and application of low carbon concrete solutions.*
4.00 – 4.10pm		**Salix –** *New generation of sustainable composite sleepers focusing on sustainable, low carbon and environmentally friendly track and civil products.*
4.10 – 4.20pm		**Unipart Rail Australia –** *Recycled composite sleepers and bearer achieving a fully sustainable and circular economy solution.*
4.20 – 4.25pm		**Question Time**
4.25 – 4.35pm	Asset Management	**Braemac Engineering** - *Easy to deploy Asset Tracker tool.*
4.35 – 4.45pm		**DB Engineering & Consulting** - *Diagnosis and analysis solution for condition monitoring and predictive maintenance.*
4.45 – 4.55pm		**Lynxx -** *Leveraging advanced simulation technology and data-driven analysis to evaluate network performance.*
4.55 - 5.00pm		**Question Time**
5.00pm	Wrap up	Australasian Railway Association

MEET THE INNOVATOR

MEMBER-ONLY WEBINAR SERIES

1 -3 August 2023

AGENDA
3.00 - 4.35pm Thursday 3 August 2023

Covering the topics of:

- Digitisation and AI technology
- Interoperability and Systems Integration
- Resilience

Thurs 24 Feb	Topic	Presenter
3.00 – 3.05m	Welcome and format overview	Australasian Railway Association
3.10 – 3.20pm	Digitisation and AI technology	**Agonics Pty Ltd -** *XERRA platform, which allows users to visualise and interact with large scale LiDAR and imagery datasets recorded at scale on railway networks.*
3.20 – 3.30pm		**EngAnalysis –** *A movement monitoring system that analyses and compares images to identify change and infer displacement or movement of features in the image.*
3.30 – 3.40pm		**Lynxx –** *Operations reach based tool used in scheduling and optimising complex networks and building schedules/timetables.*
3.40– 3.50pm		**Willow Digital Pty Ltd -** *Willow NewBuild software enabling users to track projects to improve collaboration, reduce design errors, and enable smooth handovers.*
3.50 – 4.00pm		**Question Time**
4.00 – 4.10pm	Interoperability and systems integration	**Frequentis Australasia Pty Ltd -** *Bearer Independent Communication solution enabling flexible and secure communications as an alternate or complementary tool to analogue and digital radio technology.*
4.10– 4.20pm		**Siemens Mobility Pty. Ltd** – *Innovative digital booking platform integrating all transport modes into a singular application.*
4.20 – 4.30pm		**Question Time**
4.30 – 4.40pm	Resilience	**Asset International Structures -** *A unique lightweight and easy to install Ballast shoulder retention system.*
4.40 – 4.50pm		**Question Time**
4.50 – 5.00pm	Wrap up	Australasian Railway Association