Industry Engagement Event – Shaping the Future of Railway

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David Ogucha – Track and Civil Standards Engineer (ARTC)
ABOUT ARTC

- 8,500km rail network (5 States).
- ARTC Owned and leased.
- Manage the track and provide access to train operators.
- General freight, coal, iron ore, other bulk materials and agricultural products.
- Interstate and inter-city passenger services.

[Video link](https://www.youtube.com/watch?v=XXKs32Fwhs) (2:53)
OPPORTUNITIES FOR YOU

• Design and Engineering Management.
• Project Management.
• Asset Management.
• Risk and Safety.
• Environment and Sustainability.
CURRENT PROJECTS – MAJOR PROJECTS

• Adelaide–Tarcoola Rail Upgrade Acceleration.

• Advanced Train Management System (ATMS).

• Inland Rail.
Advanced Train Management System (ATMS).

- A communication based train management system.
- The system will communicate via both voice and data between the Network Control Centres and locomotives operating on the ARTC National Network.
CURRENT PROJECTS – MAJOR PROJECTS

Adelaide – Tarcoola Rail Upgrade Acceleration.

- The project involves the upgrade of approximately 600 kilometres of track on the Interstate network between Adelaide (Islington and Outer Harbor) and Tarcoola.
Inland Rail

- New 1700km line (Between Melbourne and Brisbane via regional Victoria, New South Wales and Queensland).

- 1,200km on existing rail infrastructure (rail lines and corridors) and 500km of greenfield.
CURRENT PROJECTS – MAJOR PROJECTS

Inland Rail

• Double stacked, longer and faster trains (115km/h).
CURRENT PROJECTS – MAJOR PROJECTS

Inland Rail

• 262,000 tonnes of steel and 745,000 cubic metres of concrete to build it.

➢ That’s equivalent to the steel in five Sydney Harbour Bridges and concrete in over 12 Q1 Buildings (Australia’s tallest building).
Inland Rail

• Largest diameter diesel freight tunnel in the Southern Hemisphere.

➢ As part of the Gowrie to Helidon project in Queensland, a new 6.38km tunnel will be built through the steep terrain of the Toowoomba Range, making it the largest diameter diesel freight tunnel in the Southern Hemisphere.
CURRENT PROJECTS – MAJOR PROJECTS

Inland Rail

• Divided into 13 separate projects to delivered over – 10 years.

➢ One project in Victoria, seven in NSW, and five in Queensland.

➢ The longest project is Narromine to Narrabri at 307km long, with the shortest project Gowrie to Helidon at 26km.
CURRENT PROJECTS – MAJOR PROJECTS

Inland Rail

https://www.youtube.com/watch?v=1fS19D-vEHM (3:12)
OPPORTUNITIES AND CHALLENGES

• Delivering Inland Rail

• Meet capacity requirements for our customers

• Maintain a reliable and competitive service for our customers
THE END