



AUSTRALIA & NEW ZEALAND

3000+

People

44

Locations

2,000+

Clients

GLOBAL

28,000+

People

400

Locations

6

Continents

Connecting people to communities and freight to market

SAFE, EFFICIENT, AND INNOVATIVE RAIL SOLUTIONS

Our team of professionals understand the journey can be as important as the destination. From the first to the last kilometre, we bring the newest ideas and technologies to our clients and their communities.

Our consultative approach helps communities select the best solutions for their unique needs—and helps ensure their rail infrastructure can be regularly improved and intelligently expanded. Whether designing a new solution or modernising an existing one, our primary objective remains constant—ensuring safety, security, and comfort for passengers and goods for generations to come.

Our specialists work in every mode of transit, including light rail, intercity rail, station design, subway, and freight rail. We challenge conventional thinking at every stage to provide revolutionary, yet realistic options for safe, efficient, and affordable movement of people and freight.

With our team located across 28 offices in Australia and 16 in Aotearoa New Zealand, we're local people who care about our own communities. We're specialists in all engineering disciplines with a global network that allows us to bring best practice experience and advice to local projects.

Net Zero

Carbon neutral and then net zero

Our Operational Pledge

#1

Ranked most sustainable corporation among industry peers

2022 Corporate Knights Global 100



How we support your rail projects

PLANNING AND ADVISORY

- Assurance and benefits realisation
- Business case and investment strategies
- Economics, appraisals and forecasting
- Land and statutory planning
- Modelling and simulations (including pedestrians)
- Planning and feasibility studies
- Public transport transactions and operations
- Risk assessment
- Stakeholder and community engagement
- Strategic advice and advocacy
- Train station and precinct planning

DESIGN

- Design risk assessment
- Freight logistics and planning
- Geotechnical and environmental services
- Independent certification
- Level crossing design
- Operational advice and analysis
- Operational performance assessment
- Rail asset condition assessment and management
- Rail bridge design
- Rail systems engineering
- Strategic project and technical advice
- Train station accessibility upgrades
- Rail station design

DELIVERY

- Capital and operating funding strategies
- Engineering management
- Onsite field audits and verification
- Procurement and contract management
- Program and project management





Our project experience

We're advancing our communities by reimagining rail.

Our rail engineering experts across Australia and New Zealand work closely with our broader local teams and our international experts around the world to deliver worldclass transportation projects.



NATIONAL FASTER RAIL PROGRAM DEMAND MODELLING

When the National Faster Rail Agency wanted a comprehensive model for how land use changes and population shifts would impact rail development, we created a demand model to explore opportunities and risks.

[Learn More →](#)



SYDNEY CBD LIGHT RAIL

Supporting a growing population while tackling congestion, comprising a 12km rail loop and integrated bus network, the Sydney CBD light rail corridor moves people to where they need to be in this vibrant, bustling city.

[Learn More →](#)



WAIKATO REGIONAL TRANSPORT MODEL

The Waikato Regional Transportation Model is a single recognised transport model for the Waikato Region and is invaluable as a strategic planning tool for forecasting changes in travel demands and mode shifts.

[Learn More →](#)



KIWI RAIL FREIGHT RAIL DECARBONISATION

When the New Zealand Government introduced a policy to eliminate carbon emissions, KiwiRail was up to the challenge. Our team was there to help along the way.

[Learn More →](#)



QUEENSLAND STATION ACCESSIBILITY UPGRADE PROGRAM

As a part of Queensland Rail's ongoing Station Accessibility Upgrade program, we helped deliver easy-to-use access to three Queensland stations. We developed integrated transport accessibility upgrades to some of Brisbane's busiest suburban rail stations.

[Learn More →](#)



NSW TRANSPORT ACCESSIBILITY UPGRADE PROGRAM

Our team helped deliver the Transport Access Program, a New South Wales Government initiative improving public accessibility. As lead design consultants, we looked at a range of solutions, including installing lifts to existing footbridges.

[Learn More →](#)



VICTORIA LEVEL CROSSING REMOVAL PROGRAM

Our transport team are working as part of the North West Alliance and the Victorian Government to remove level crossings across Melbourne creating safer roads, enhancing pedestrian experience, and alleviating traffic congestion.

[Learn More →](#)



AXLE REPLACEMENT INLINE (ARI) UNIT

Solving several operational issues, the ARI reduces wheel axles change-out on iron ore wagons to ten minutes, improving health, safety, and convenience-while maintaining rail continuity.

[Learn More →](#)



PARKES SPECIAL ACTIVATION PRECINCT

Stantec provided design and construction services for upgraded roads and new railway crossings-including two grade separated crossings and two crossing bridges-at Parkes, the first Special Activation Precinct in New South Wales.

[Learn More →](#)



BANYO AND LINDUM STATION ACCESSIBILITY UPGRADES

Queensland Rail engaged Stantec to provide concept and reference designs for their planned accessibility upgrades to Banyo and Lindum Stations in Brisbane.

[Learn More →](#)



MUSWELLBROOK RAIL BRIDGE REPLACEMENTS

We provided multidisciplinary expertise for railway bridges in areas including detailed bridge design, geotechnical investigations and design, hydrology & hydraulics investigation, and temporary works design.

[Learn More →](#)



DINMORE AND GRACEVILLE STATIONS

Major upgrades at two commuter stations designed by our electrical, mechanical and sustainability teams improved accessibility, security and connectivity for Queensland rail passengers.

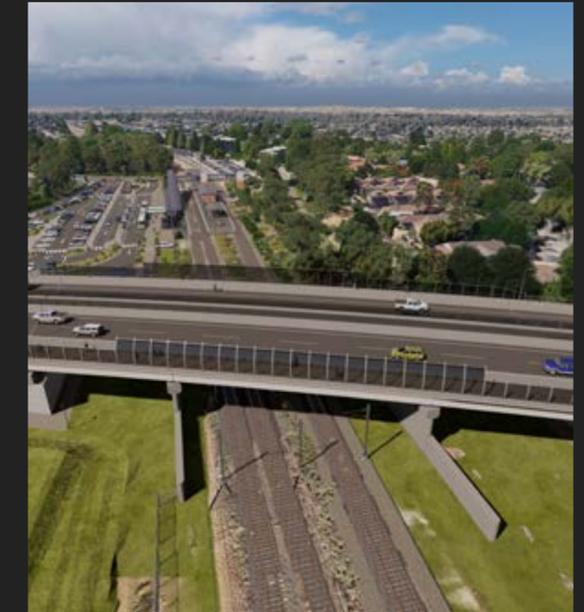
[Learn More →](#)



TRANSPORT ACCESS PROGRAM 3, STATION ACCESSIBILITY UPGRADES

Our team created a more equitable community by designing station upgrades that improve access to public transport. Our work included option assessments and scoping designs for nine station upgrades as part of the third tranche (TAP3) of works.

[Learn More →](#)



BEAMS ROAD RAIL LEVEL CROSSING

Partnering with the Queensland Department of Transport and Main Roads, we helped develop a rail level crossing removal solution for Beams Road that reduces travel time while making travel safer for thousands of road users everyday.

[Learn More →](#)



BOUNDARY ROAD RAIL OVERPASS

Working collaboratively with the Department of Transport and Main Roads and the Brisbane City Council, we designed a solution that helps improve conditions for one of Brisbane's busiest traffic and rail corridors.

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REGIONAL TRANSPORT ACCESS PROGRAM - STATION UPGRADES

In collaboration with the client, Stantec's team led the development of accessible transport designs for people with limited mobility through the sensitive upgrade of five regional train stations.

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TRANSPORT ACCESS PROGRAM AT-GRADE CARPARKS

The Transport Access program provides a better experience for public transport customers by delivering accessible, modern, secure, and integrated infrastructure-from the car park to the boarding point on the train station platform.

[Learn More →](#)



SYDNEY METRO NORTHWEST TEMPORARY TRANSPORT PROJECT

Our team was engaged to provide pedestrian modelling for a variety of stations as part of the conversion of the existing Epping to Chatswood line to the new metro service.

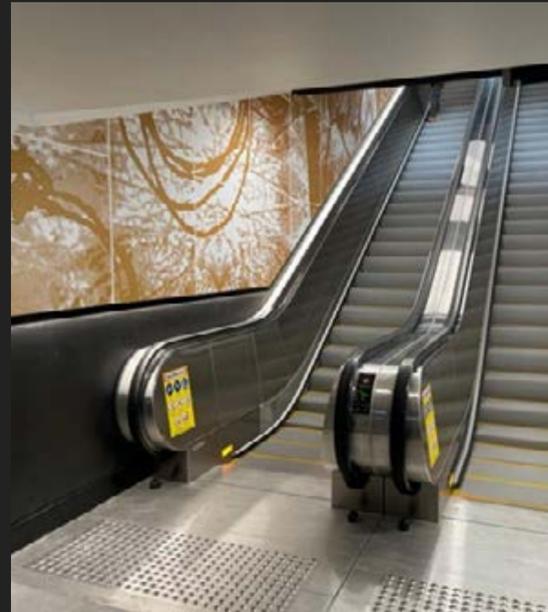
[Learn More →](#)



MORE TRAINS, MORE SERVICES - STAGE 2

Stantec provided civil and drainage design services for a series of station platforms and access upgrades for the More Trains More Services program, Stage 2-contributing to the transformation of Australia's South Coast Line train service.

[Learn More →](#)



CENTRAL STATION BUILDING UPGRADES

Queensland Rail engaged us to be part of a significant facilities upgrade designed to modernise the station and deliver improved access, all while honouring Central Station's heritage.

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DAKABIN STATION ACCESSIBILITY UPGRADE

As part of the Queensland Rail (QR) Station Accessibility Upgrade Program, our team designed upgrades for Dakabin Station to provide greater accessibility for all customers.

[Learn More →](#)



ROOTY HILL STATION AND CAR PARK STATION UPGRADE

Stantec provided structural design for the new pedestrian footbridge, geotechnical investigations, and modifications to existing interchanges at Rooty Hill Station.

[Learn More →](#)



COUNTRY RAIL NETWORK OPERATIONS AND MAINTENANCE DESIGN LEAD

UGL Regional Linx engaged Stantec to provide engineering, environmental, and surveying services to maintain the Country Rail Network and keep New South Wales moving.

[Learn More →](#)



NORTH CANTERBURY TRANSPORT INFRASTRUCTURE RECOVERY

As part of the North Canterbury Transport Infrastructure Recovery (NCTIR) alliance, which managed the project, we provided engineering and project management services. Rebuilding a key transport route was a team effort.

[Learn More →](#)



Ideas

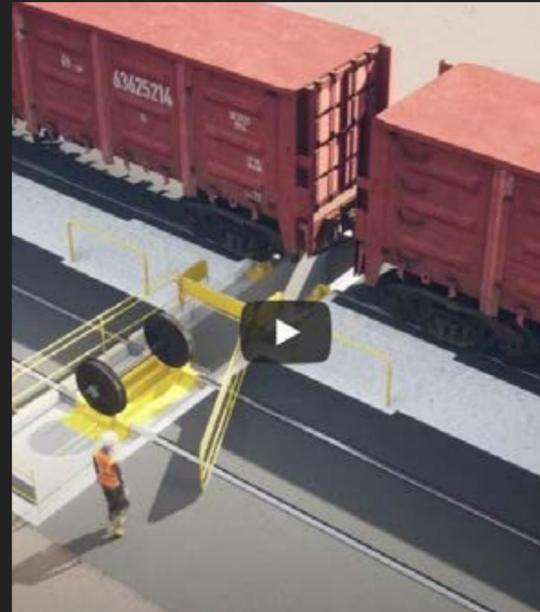
Our engineers are transforming their ideas into action. They explore the trends, innovations and challenges in the push for better performance.



HOW DO WE FUTURE-PROOF PUBLIC TRANSPORT FOR EVERYONE?

Providing equal access for all people who use public transport is crucial for future-proofing the sector.

[Learn More →](#)



AXLE REPLACEMENT INLINE (ARI) UNIT

Designing a solution for quick change-out of wheel axles on rail wagons by reducing the change-out time of a single wheelset on an iron ore wagon to just ten minutes.

[Learn More →](#)

Click the image to watch how ARI: Revolutionising the train axle replacement process.



USING RAIL TO TAKE PRESSURE OFF ROADS

How do we choose if we move freight by road, rail, or coastal shipping modes?

[Learn More →](#)



RAILROAD CROSSINGS: INVOLVING LOCOMOTIVE ENGINEERS TO BETTER UNDERSTAND CRASH RISKS

KiwiRail is using a new safety assessment tool in New Zealand to reduce severe crashes.

[Learn More →](#)



Our project team - Australia

**ADAM CHAN-SEW**

Market Leader | Rail & Public Transport Infrastructure

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Adam is the Market Leader for Rail and Public Transport Infrastructure, with significant experience in station accessibility upgrade projects in Australia. Adam's strong skills in stakeholder management, and the development of practical and fit-for purpose solutions help stakeholders to meet their project needs.

[Learn More →](#)

**SCOTT NIELD**

Regional Director for Transport, Australia

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Scott leads our Transport business across Australia, instilling in his team that our work in road and rail is transformative, helping to build and connect communities. He combines his experience across multiple sectors—water, energy, mining, transport—with an understanding that project delivery and management is an expertise in its own right.

[Learn More →](#)

**ALLEN MACOURT**

Transport Growth Leader, Australia

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As the transport growth leader, Allen has been responsible for the strategic development of our transport capability and leads a team that is focused on winning and delivering significant transport infrastructure projects.

[Learn More →](#)

**DON PIGGOTT-MCKELLAR**

Business Leader - Transport Delivery, QLD

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In his role as the business lead for our Transport Delivery group in Queensland, Don is responsible for safety and leadership, client service, and operational performance.

He collaborates effectively with teams across all stages of project delivery and has refined an ability to align technical and non-technical stakeholders to develop a shared vision and get results.

[Learn More →](#)

**SOUMENDRA PAUL**

Australian Transport Delivery Operations Lead

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Soumendra is the Australian Transport Delivery Operations Lead with strong technical skills and business acumen.

He has 22 years of experience in planning, feasibility studies, concept and detailed design of road, rail and airport infrastructure including Light Rail Transit systems.

[Learn More →](#)



Our project team - Aotearoa New Zealand

**ROGER VREUGDENHIL**

Country Leader, New Zealand

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A seasoned global executive and principal consultant, Dr Roger Vreugdenhil empowers teams and organisations to be agile and achieve breakthrough performance. Drawing on 28 years' experience including organisational change management, strategy, resilience and leadership, Roger helps companies solve complex problems and achieve operational excellence.

**KIERAN JUDGE**

Growth Lead Rail Sector

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The bulk of Kieran's career to date has been dedicated to New Zealand's transport industry. He has accumulated a great breadth of knowledge not only in operations but business practices and effective leadership as he traversed multiple key roles within the industry.

**DOUG WEIR**

Senior Principal Transportation Planner | Practice Leader

doug.weir@stantec.com

Doug is a Senior Principal in transportation planning and a Practice Leader for public transport in Australia and New Zealand.

**ANDREW MAUGHAN**

Senior Principal Transportation Planner

andrew.maughan@stantec.com

Andrew is a Senior Principal in transportation planning with over 30 years' experience, predominantly in the transport sector. His public sector experience covers project and programme management across local and state government in both New Zealand and Australia, with a skillset spanning strategic planning, asset management, capital delivery programmes, and maintenance and operations management.

**ALEX FROST**

Project Delivery Manager - Rail & Rapid Transport

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As someone with extensive experience and connections in the rail industry, Alex possesses a comprehensive understanding of how to successfully execute projects in and around the rail corridor. This dynamic and high risk environment presents numerous challenges and limitations that demand meticulous planning, process expertise, and industry knowledge.

Our office locations:



Communities are fundamental. Whether around the corner or across the globe, they provide a foundation, a sense of place and of belonging. That's why at Stantec, we always **design with community in mind.**

We care about the communities we serve—because they're our communities too. We're designers, engineers, scientists, and project managers, innovating together at the intersection of community, creativity, and client relationships. Balancing these priorities results in projects that advance the quality of life in communities across the globe.

Learn more about Stantec's rail team and projects:

[Australia Learn More →](#)

[New Zealand Learn More →](#)

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