



Head of Systems Assurance

POSITION DETAILS

Department / Team: Lead Integrator -	Reports to (title):
# Direct Reports:	# Indirect Reports:
Location: Brisbane	Salary Banding:

THE CROSS RIVER RAIL PROJECT

The Cross River Rail Delivery Authority is building a new 10.2km rail line that includes 5.9km of twin tunnels running under the Brisbane River and CBD; with four new underground stations at Boggo Road, Woolloongabba, Albert Street and Roma Street.

Once complete, it will provide trains with a much-needed alternative rail path through the core of the current SEQ Rail network, unlocking a bottleneck and allowing more trains to run more often across the whole of South East Queensland.

The Cross River Rail Delivery Authority is also delivering multiple supporting projects and activities in conjunction with Department of Transport and Main Road. These include accessibility rebuilds for eight surface stations, construction of three new stations on the Gold Coast; upgrades for stabling yards; track works and surface rail enhancements; and the introduction of a new ETCS digital signalling system.

Further Information: www.crossriverrail.qld.gov.au

LEAD INTEGRATOR

The Lead Integrator is responsible for making sure the Cross River Rail (CRR) System is successfully integrated into Queensland Rail's SEQ Network, with the goal of being ready for Day 1 Train Services. Success means delivering a railway that meets all applicable Sponsor Requirements and is ready for Revenue Service.

The Lead Integrator team are focused on coordinating and aligning integration activities across multiple delivery partners and workstreams. Initially, the focus is on the Integration and Acceptance Life Cycle Stages, helping to bring together infrastructure, systems, and processes into a single operational network. The scope is designed to be flexible, allowing the approach to evolve as the program progresses and new priorities emerge.

OUR VALUES AND BEHAVIOURS



WE COLLABORATE

- We treat each other with respect and speak up when this doesn't happen.
- We share information to help everyone be successful.
- We have honest conversations, no agendas or surprise.
- We are curious, asking questions to understand.
- We work through issues together and help each other.



WE INNOVATE

- We are inclusive, listening to and encouraging differing views.
- We challenge and push the boundaries.
- We apply and share our knowledge to do better.
- We seize our opportunity to set new standards and benchmarks.



WE DELIVER

- We act safely at all times.
- We do what we say we will do and when we will do it.
- We understand our individual role and how it fits into the project's success.
- We take responsibility for our work and speak up when we need help.
- We are committed to continuous development and take every opportunity to review, learn and improve the way in which we are delivering the project, learn improve.

ROLE OVERVIEW

The purpose of this position is to provide senior leadership and authoritative oversight of systems assurance and acceptance for the Cross River Rail Project. The role leads the Delivery Authority's systems assurance function within the Lead Integrator, ensuring that assurance activities, evidence and outcomes across all delivery packages support safe, compliant and timely acceptance of the integrated railway system.

The role is accountable for the assurance and acceptance readiness of systems delivered by the Tunnel, Stations and Delivery (TSD) package, Rail, Integration and Systems (RIS), the European Train Control System (ETCS), and key interfacing parties including the New Generation Rollingstock (NGR) project. This includes setting assurance direction, governing supplier delivery of assurance obligations, and ensuring assurance evidence is complete, coherent and fit for integration and acceptance.

The role exercises senior technical judgement and authority on systems assurance matters and is a key point of accountability for engagement with accepting authorities and regulators, including Queensland Rail, the Office of the National Rail Safety Regulator (ONRSR) and other relevant stakeholders. The position is responsible for building and maintaining regulatory confidence in the project's assurance approach and outcomes.

Success in the role is demonstrated through effective leadership of the systems assurance team, strong governance of assurance activities across a complex multi-party environment, and the resolution of assurance and acceptance issues that could impact safety, schedule or regulatory approval.

This position reports to the CRR Lead Integrator and operates as part of the cross-industry Lead Integrator team, working closely with the Delivery Authority's senior leadership, the wider Queensland Rail, Suppliers and external stakeholders to achieve an integrated and accepted Cross River Rail system.



KEY RESPONSIBILITIES

Leadership

- Lead and develop a specialist team of systems assurance engineers within the Lead Integrator, setting clear expectations for assurance quality, rigour and professional standards across the program.
- Provide functional leadership for systems assurance across the project lifecycle, ensuring consistent application of assurance principles through design, construction, testing and commissioning.
- Build and maintain a high-performing assurance capability, including mentoring, setting KPIs, succession planning and the development of assurance knowledge and maturity within the team.

Assurance and Acceptance Management

- Lead the integrated program of systems assurance activities to support acceptance of the integrated Cross River Rail and ETCS systems, ensuring assurance outcomes align with project safety, regulatory and delivery obligations.
- Set the overall assurance approach and expectations for Suppliers and interfacing parties, and govern the delivery of assurance obligations across TSD, RIS, ETCS and associated interfaces including NGR.
- Provide senior oversight of systems assurance deliverables including assurance management plans, safety and hazard management, RAM, human factors, specialty engineering and other assurance evidence to ensure completeness, coherence and acceptance readiness.
- Win and maintain the trust of the accepting authorities (including Queensland Rail, the Office of the National Rail Safety Regulator and Queensland Fire and Rescue Service).

Collaborative Delivery

- Lead alignment of systems assurance approaches, assumptions and acceptance criteria across Suppliers, Queensland Rail and key stakeholders within a complex multi-party delivery environment.
- Resolve assurance issues arising at interfaces and across delivery packages, exercising judgement and influence to manage competing priorities and interpretations.
- Foster collaborative assurance behaviours across the program, enabling early identification and resolution of issues that could impact safety, schedule or regulatory approval.

Strategy and Advice

- Provide authoritative systems assurance advice to the Delivery Authority, including assurance strategy, interpretation of standards and requirements, and management of assurance risk across the program.
- Shape assurance responses to project change, emerging risks and regulatory developments, ensuring impacts on safety, acceptance and delivery are clearly understood and managed.
- Support senior executives and stakeholders with clear, evidence-based assurance positions to inform decision making, escalation and engagement with regulators and operators.

Governance and Reporting

- Lead governance and reporting for systems assurance activities, providing clear visibility of assurance status, risks, issues and acceptance readiness to senior leadership.
- Represent the Delivery Authority at systems assurance and acceptance forums, contributing authoritative assurance positions and supporting resolution of escalated issues.
- Ensure assurance reporting supports informed decision making and timely escalation of matters that could impact safety, regulatory approval or project delivery.
- To work in accordance with the Delivery Authority policies, procedures and safety requirements and demonstrate alignment with our values and behaviours



KEY COMPETENCIES

- Highly developed relationship management and influencing capability with demonstrated ability to lead complex assurance conversations and build trust with senior executives, regulators, operators and delivery partners.
- Knowledge and experience with Rail Safety National Law (RSNL), associated rail regulatory environment and requirements, rail transport operator safety management systems, and the application of standards such as ISO 15288, EN 50126, EN50128, EN50129.
- Demonstrated ability to exercise initiative, lead a team, work independently and adapt to meet sudden changes in expectations, priorities and deadlines.
- Strategic leadership capabilities with sufficient management acumen to balance commercial, technical, and project objectives and constraints.
- Excellent communication and organisational skills with demonstrated ability to provide clear and concise written and verbal communication and produce clearly articulated briefings and reports.
- Extensive experience, typically at least 15 years, in systems assurance or RAMS management within major infrastructure environments, including substantial experience in the rail transport sector and integrated railway systems.
- Qualifications in engineering or related discipline.

Desirable:

- Registration with a relevant professional engineering body or the ability to acquire.