



A Rimkus Company

Rail Capabilities

**DELAY, QUANTUM AND TECHNICAL
PROJECT MANAGEMENT EXPERTS**



ABOUT CCI


CCI is an independent global consultancy that is recognised around the world for its expertise in the insurance and construction industries.

For over 25 years, our delay, quantum and technical experts have brought clarity and resolution to some of the world's largest and most complex insurance claims and construction disputes.


With a dedicated team of industry experts across 21 offices worldwide, CCI has firmly established itself as one of the most trusted partners in the insurance and construction industries.

The acquisition of CCI by Rimkus in 2021 has allowed us to significantly expand our forensic technical disciplines offering. Rimkus employ more than 1,000 technical specialists and engineers, giving us access to an unrivalled network of diverse skills and experience.







Appointed in
75+
countries



150+
disciplines



175+
delay & quantum
professionals



25+
languages
spoken

OUR RAIL EXPERIENCE

CCI has a proud track-record of working on major rail projects around the world including metro, light rail transit, high-speed railways, and conventional commuter railways. We have worked on behalf of owners, contractors, rolling stock suppliers, specialist subcontractors, and insurance companies, providing a variety of services including expert witness, claims consultancy, project advisory, and insurance related services.

Our experience representing clients at all stages of a rail project from design to execution, completion and post-handover, ensures our consultants have the collective knowledge required to effectively support our clients in the management of commercial and scheduling risk, resolution of disputes, and the provision of forensic technical assessment, quantum evaluation, and delay and timeline analysis.

We have a broad understanding of the challenges faced by all stakeholders in the construction of rail projects and are familiar with the appropriate safeguards required to achieve a successful development outcome. Our consultants proactively manage reoccurring issues which can lead to delay and cost overrun including land access, third-party coordination, government approvals, cross-border legislative and regulative differences, multiple work fronts, variable ground conditions, and inflationary risk.

Our global rail experience is diverse and includes major projects such as HS2 High-Speed Rail, Riyadh Metro, Dubai Metro, Etihad Rail, Malaysia LRT, Singapore MRT, Manila Metro, Jakarta Metro, Taiwan High-Speed Rail, Sydney CBD LRT, and Auckland City Rail Link.



We have a broad understanding of the challenges faced by all stakeholders in the construction of rail projects.”





ASIA

METRO PROJECT

📍 Southeast Asia

Dispute Advisory Services
Contractor
2018-2021

A 33km metro line, with eight car trains carrying more than 2,000 passengers each, serving a total of 17 stations.

Instructed to prepare DAB referrals on behalf of the contractor and provide advice on DAB matters.

HIGH-SPEED RAIL PROJECT

📍 Taiwan

Contract and Claims Management Services
Contractor JV
2003-2004

350km of track along the west coast of Taiwan, from the capital Taipei to the southern city of Kaohsiung.

Seconded to the client to provide contract and claims management for the construction of Region 2 (Taipei to Taichung) of the track and core systems installation.

STATIONS FOR MASS RAPID TRANSIT LINE

📍 Singapore

Delay and Quantum Services
Contractor
2022

Design and construction of two stations and two viaducts at a total length of 1.3km.

Instructed to submit contractual claims for delays and additional costs on behalf of our client against the employer.

SINGAPORE MASS RAPID TRANSIT SYSTEM

📍 Singapore

Commercial Management and Quantum Claims Services
Main Contractor
1999-2002

Design and construction of Contract 704 for the Singapore Land Transport Authority comprising two underground civil defence stations, 5km of bored tunnels, 2km of dual lane viaduct and other associated civil and architectural works.

Seconded a project commercial manager and assistant commercial manager to the main contractor.

Also instructed to prepare defence to significant and numerous design consultant claims alleging additional costs as a result of re-design and unforeseen client requirements. Response included reference to design consultancy agreements and tender services deed, which clearly defined the scope and pricing requirements.

METRO PROJECT

📍 Southeast Asia

Dispute Advisory Services
Contractor
2018-2021

Development of a mass rapid transit project in Southeast Asia comprising over 100km track and 21 stations, 7 of which are underground.

Preparation of DAB referrals on behalf of the contractor and provision of advice on DAB matters.

ELECTRIFIED DOUBLE TRACK RAILWAY

📍 Singapore

Delay and Quantum Claims Services
Contractor
2023

Electrified double track railway project from Gemas to Johor Bahru, complementing the existing electrified railway service that connects Padang Besar, in the north of Peninsular Malaysia, to Gemas, in the south. The distance of the track is 192km and passes through 11 stations with a nominal speed of 160 km/h.

Instructed to submit contractual claims for delays and additional costs on behalf of our client against the employer.

LIGHT RAIL TRANSIT SYSTEM UPGRADES AND NEW TRAINS

📍 Malaysia

Claims Management and Dispute Avoidance Services
Major Public Transport Operator
2023

Upgrades to the current light rail transit line over a 5-year period. The project will include an upgrade to its automatic train control system and the purchase of 27 new trains.

CCi assessed contractor claims and attended a series of negotiation meetings with the employer to facilitate dispute avoidance and an amicable settlement of the claims.

METRO PROJECT

📍 Southeast Asia

Dispute Advisory Services
Contractor
2018-2019

A planned rapid transit network comprising 20km track, 17 trains and 14 stations.

Instructed to prepare DAB referrals on behalf of the contractor and provide advice on DAB matters.



Your commercial contribution to this project and the great integration of your people within [our] organisation has been undoubtedly a key factor of the success of this project.”

- Contractor Client





AUSTRALASIA

CANBERRA LIGHT RAIL – STAGE 1

New South Wales, Australia

Contract and Claims Management Services
Government Authority
 2006

A light rail system serving the city of Canberra, comprising 12km line linking the northern town centre of Gungahlin to the city centre, with 14 stations.

Seconded a contract manager and claims manager to the consortium delivering this project. Provided contract administration and claims analysis which included establishing contractual and legal entitlement to support claims submissions.

REGIONAL RAIL PROJECT

New South Wales, Australia

Quantum Expert Services
Employer
 2021-2022

A project to replace an ageing regional fleet of trains with new trains featuring improved safety, amenities and accessibility, as well as the design and construction of a new maintenance facility in New South Wales.

Engaged by the employer to provide quantum expert witness services, this commission involved a quantum assessment of the contractor's claims for prolongation, thickening, direct costs, and disruption.

YANCHEP RAIL EXTENSION

Western Australia

Commercial and Contract Administration Services
Transport Operator
 2020-2021

An extension of the Joondalup line to support the construction of a new commuter rail station in Yanchep, Western Australia. Comprising 14.5km of track, this extension will help support ongoing growth in the area and reduce congestion.

Engaged to provide commercial and contract administration management for the engineering and design function of the project and manage the life-cycle of the change management process.

THORNIE COCKBURN LINK

Western Australia

Commercial and Contract Administration Services
Transport Operator
 2020-2021

An east-west cross line connection comprising 17.5km of track including two new stations, the upgrade of three stations and the relocation of 11km of freight railway.

Engaged to provide commercial and contract administration management for the engineering and design function of the project and manage the life-cycle of the change management process.

SYDNEY CBD AND SOUTH EAST LIGHT RAIL

New South Wales, Australia

Commercial, Contract and Claims Services
Main Contractor
 2017-2019

Construction of 12km of new light rail track including 20 new passenger stops, a stabling facility at Randwick and a new maintenance facility at Rozelle, valued at over AU\$1.6bn.

Engaged to provide commercial, contract and claims support to the main contractor (civil).

LIGHT RAIL PROJECT

New South Wales, Australia

Delay Claims Services
Insurer
 2020

Project to construct a 23km rapid transit link with stations, twin tunnels, a viaduct and cable stayed bridge.

Engaged to provide delay analysis and advise on the conduct of the defendants in litigation in connection with a series of claims received by the professional indemnity insurers.

SOUTH WEST RAIL LINK

Australia

Commercial Management Services
Transport for New South Rail (TfNSW)
 2015

An AU\$2.1bn railway line serving the developing suburbs of south western Sydney between Glenfield and Leppington, comprising 11.4km double-track railway and two stations.

Seconded a commercial team into the client's office to lead the commercial function of the tender process and prepare a high-level programme of works to understand the duration and critical path of the works. Our involvement on this project aided TfNSW in the preparation of its tender documents.

BAYSWATER TRAIN STATION

Western Australia

Commercial Management Services
Transport Operator
 2019-2020

Construction of a new station that will provide public transport to the north eastern suburbs of Australia.

Engaged to provide commercial management on the project and to participate in contract negotiations, risk management discussions, project controls, and procurement strategies.

CITY RAIL LINK

Auckland, New Zealand

Commercial Support Services
International Consortium of Tier 1 Contractors (Tunnels and Stations)
 2017

A world-class rail system connecting Auckland's entire rail network, comprising 3.45km-long tunnels and two new underground stations.

Engaged to provide commercial support on the tendering process for the main tunnelling and stations package.

WARATAH TRAINS

New South Wales, Australia

Delay Claims Services
Transport Operator

Manufacture of 78 electrical multiple units for use in Sydney's rail network.

Engaged to carry out a review of the contract to understand agreed methodologies to assess delays. Assessed all delay events to establish entitlement and evaluate the merits of the claims received.



I thought you ought to be the first to know that we won today. This result is in no small measure down to your expert assistance for which, on behalf of my client and me, I thank you..”

- Law Firm Client

WICKHAM TRANSPORT INTERCHANGE

 New South Wales, Australia

Commercial Support Services
Newcastle Urban Renewal
2015

Construction of a new transport interchange in Wickham which forms part of the AU\$400m Newcastle Urban Renewal and Transport programme which aims to deliver a transport hub connecting passengers with trains, the upcoming Newcastle Light Rail, buses and taxis.

Engaged to provide commercial services to assist our client to deliver the project on time and within budget. Provided contractual, financial and commercial advice to the project team, drafted contract documents, prepared claims and assessed variation orders.

METRO PROJECT

 New South Wales, Australia

Commercial and Claims Management Services
Contractors
2020-2021

An AU\$3.7bn programme of works that included the design and construction of eight new railway stations including underground and elevated stations, 23km of new track, rail systems and power supply, the conversion of existing 13km of rail track, stations and systems to metro rail system, two new services facilities and a stabling facility, and 22 fully automated six carriage metro trains.

Initially engaged to manage the tender commercial negotiations for a JV partner contractor and later to provide commercial, claims and strategy support to the JV during delivery.

LIGHT RAIL

 New South Wales, Australia

Claims and Contract Management Services
International Contractor
2021

Construction of a two-way track spanning 12km connecting two suburbs via the central business district. Working with an international contractor on the delivery of the supply, operate and maintain component of the project. Providing strategic advice and correspondence to support upstream claims strategy and documentation. Assessment of significant subcontractor claims and resolution of downstream disputes.

“

The contribution of your team has been remarkable.”

- Contractor Client



MIDDLE EAST

ETIHAD RAIL

 United Arab Emirates

Delay Claims Services
Tristar
2022

Construction of 1,200km freight and passenger network extending across the United Arab Emirates, from the border of Saudi Arabia to the border of Oman, with an estimated investment of US\$11bn.

Engaged to carry out a consolidated delay and disruption analysis, prepared retrospectively, in accordance with the subcontract agreement and SCL Delay and Disruption Protocol. Also prepared an associated loss and expense claim.

DUBAI METRO

 United Arab Emirates

Quantum and Claims Management Services
Contractor JV
2005-2007

The world's largest and most advanced automated passenger transit project in the world, and the first of its kind in the Gulf. 74km long with 45 stations, two depots and operational control centres.

Engaged to manage the claims strategy and coordinate and manage the preparation of substantial extension of time claims and costs associated with client instructed “field” changes to significant foundation sections of the Green Line phase of the project.

RIYADH METRO

 Saudi Arabia

Quantum Claims Services
Regional Building Contractor
2022

Construction of six metro lines spanning a total length of 176km, with 85 stations and a cost to build of US\$22.5bn.

Engaged to prepare a consolidated cost claim and extension of time claim for the recovery of prolongation and disruption costs, due to various delay and disruption events experienced by the contractor during performance of the works. Subsequently quantified various direct costs incurred due to the spread of COVID-19 and the associated changes in law established in Saudi Arabia to curtail the spread of the virus between March and July 2022.

“

Dealing with a complex situation, you were able to defend our entitlements and deliver a very successful project for all stakeholders.”

- Project Director



NORTH AMERICA

LIGHT RAIL PROJECT

📍 Alberta, Canada

Delay Analysis Services
Insurer
2020

Construction of a major light railway project was delayed due to defective concrete works to spans within an elevated section of the project.

Instructed to assess incident related delays resulting from repair and remediation of the defective design in addition to modelling different timeline scenarios resulting from the LEG exclusions in the policy.

HIGH-SPEED RAIL PROJECT

📍 California, USA

Delay Analysis Services
Insurer
2023

Major flooding has affected the ongoing construction works of the first high-speed rail project in US history.

Instructed to assess incident related delays to the project in order to assess temporal coverage provisions under various sections of the policy.

LIGHT RAIL TRANSIT PROJECT

📍 Ottawa, Canada

Delay Analysis Services
Insurer
2020

A major light railway project was delayed when a sinkhole opened up above tunnelling works causing lengthy delays to the project.

Instructed to undertake a schedule analysis of the project to determine whether the forecasted delays were solely due to the sinkhole event or whether there were non-incident related delays to the project that would have occurred in any event.

MONORAIL EXTENSION PROJECT

📍 Washington, USA

Delay Analysis Services
Contractor
2012

Construction of a 37km extension of an existing metrorail system. During construction, a cast segment for one of the railway portions of the project was damaged and had to be recast. By the time the insured returned to the pre-incident position, the project was delayed by 13 days as a result of the incident.

Engaged to analyse the full extent of the delay and assess the validity of the mitigation works and the associated costs.



“

We commend the work that the CCI team undertook and the professional manner in which it handled the dispute resolution assignment.”

- Law Firm Client

UK AND EUROPE

RE-SIGNALING PROJECT

📍 United Kingdom

Delay Expert Services
Civil Engineering Contractor
2006

Appointed to undertake a detailed delay analysis and prepare a report on behalf of the civil engineering contractor regarding the effect of client driven change on the progress of the works, resource deployment, and increased costs on this £57m project.

POWER SUPPLY UPGRADE

📍 United Kingdom

Delay Expert Services
Rail Operator
2021

Power supply upgrade on the west coast main line. Engaged to represent our client against a consortium of international rail companies to provide an independent delay expert assessment of the consortium's claim and causes of delay on the project. The dispute revolved around disallowed costs and what constituted a contractor "default".

RAIL LINE EXTENSION PROJECT

📍 United Kingdom

Delay Claims Services
Insurer
2021

Extension of existing underground track, including tunnelling, installation of track-bed and trackwork, significant elements of the mechanical and electrical works, and the construction of the two new stations.

Engaged to assess and provide opinion on the disruption and delay related costs caused by specific defects.

LONDON RAIL PROJECT

📍 United Kingdom

Delay Expert Services
Specialist Subcontractor
2019

Provided a delay report in response to the expert delay report submitted by the main contractor in support of its claim. Worked alongside client's planners to establish the facts in respect of the effect of additional works to control and equipment rooms, and thereby compiling a robust response to the claimed delay.

HIGH-SPEED RAIL PROJECT

📍 United Kingdom

Quantum Expert Services
Transport Operator
2020

Construction of 170km of new high-speed track, four stations, and two major depots. The works include 102km of tunnel, over 14km of viaduct and 140 bridges. Engaged as quantum expert for total redevelopment costs including station remodelling, railway engineering works and over station development in a compulsory purchase matter.

NEW HIGH-SPEED RAILWAY

📍 United Kingdom

Contract Services
Manufacturer
2020

Construction of a new high-speed railway from London to Manchester.

Engaged to represent a main precast tunnel segment manufacturer at the pre-construction commission to review the contract price and conditions of contract (NEC3). Also assisted in modelling the fee percentages, contractors gain share mechanism and reviewed amendments to the standard form contract.

Contact Us

For advice on your insurance claim or for support in resolving a dispute on a construction, engineering or energy project, contact us on the email address below or visit our website.



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