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RLB | Rider Levett Bucknall

Infrastructure

Capability Statement



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Rider Levett Bucknall is Oceania's largest and most experienced construction consultancy, specialising in cost management and advisory services.


With over 2,500 specialists in more than 100 offices around the globe, Rider Levett Bucknall has the right people in the right places to deliver successful infrastructure projects.

The firm's range of expertise and organisational resources means it can bring together the best team of consultants.

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Rider Levett Bucknall has been involved in the construction of many of the world's most prominent and successful infrastructure projects.

The team provides estimating, cost planning, advisory and value adding services.

From inception to completion on all infrastructure projects, the firm's experience means a comprehensive understanding of the financial and economic factors.

In addition, Rider Levett Bucknall teams have considerable experience in taking a balanced consideration of economic, environmental and social impacts.

As part of a global practice, Rider Levett Bucknall is at the forefront of the latest technologies and has the capacity to deploy global resources to deliver best practice solutions in the cost management of infrastructure.

The firm's track record demonstrates considerable diversity across the entire range of infrastructure sectors.

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Our Service Delivery

Beginning with a comprehensive project analysis, our directors take a hands-on approach to the overseeing and organisation of all major projects.

The successful delivery of projects is testament to their knowledge and practical understanding of the elements critical to the success of infrastructure projects.

An amalgam of commercial management, time and cost reporting functions provide reliable project data upon which informed decision making can be implemented.

Our expert advice in quantification and cost management enhances the design and documentation process and ensures our client's expectations of budget control and value can be met.

Through various estimating techniques including first principles estimating aligned with access to our vast historic price data we are able to produce estimates that can be relied upon with confidence. With the application of risk management techniques we can determine budgets at differing confidence levels to meet business case requirements.

Rider Levett Bucknall's infrastructure team provides cost and commercial management services to the infrastructure industry, reinforced with sound engineering and estimating experience in the following:

COST AND BUDGET CONTROL

Cost and budget control ensures a visible cost and budget status through the procurement and construction stages. Continual monitoring enables the contingency fund to be actively managed and cost trends to be identified.

COST PLANNING

Cost planning establishes target costs by breaking project costs into discrete elements. It provides visible costs to enhance cost control and drive engineering solutions.

FEASIBILITY ESTIMATING

Accurate estimates in the early stages of engineering enable our clients to evaluate whether a project is viable and to compare two or more engineering solutions.

INDEPENDENT ESTIMATING VERIFICATION AND AUDIT ROLES

Independent estimating verification and audit services can be provided either throughout a project or with specific tasks in mind. These roles ensure value for money and probity and are particularly relevant in alliancing contracts.

LIFE CYCLE COSTING

Asset requirements are considered during the acquisition, operation, maintenance, refurbishment and disposal phases thus covering all stages of the life cycle.

PROCUREMENT STRATEGY ADVICE

Procurement strategy advice enables the right decisions to be made, particularly in light of competing project objectives. These include price certainty and timely completion in a resource challenged environment.

PROJECT CONTROL SERVICES

Project control services are a combination of cost, time and reporting functions. They incorporate tools to provide reliable project data and implement informed decision making.

RISK AND VALUE MANAGEMENT ADVICE

Risk management identifies, manages and mitigates risk through sophisticated modelling tools. It enables informed decisions to be made on adequate funding provision. Value management creates the structured environment to identify the engineering solutions that represent the best value for money.

SCHEDULES OF QUANTITIES

Used as part of the procurement process, schedules of quantities enable accurate and comparable tender prices to be obtained. They form the basis of earned value calculations, which are particularly valuable on cost reimbursable contracts.

CONTRACT COST MANAGEMENT AND ADMINISTRATION

This function ensures contracts are correctly managed and duties are properly discharged. It covers contractual obligations, including progress payments and evaluation of variations.

CASH FLOW FORECASTING

Cash flow forecasting provides information to meet funding and accounting requirements. It gives valuable data regarding the health of a project. Completed forecasts give calculated outturn costs. These costs are monitored for adverse trends so that corrective measures can be instigated if necessary.

ASSET MANAGEMENT ADVICE

Assets need to be managed in a transparent manner to achieve quality outcomes. Our asset management services provide infrastructure asset information. This information determines long-term planning, short-term maintenance and funding requirements.

Why Rider Levett Bucknall?

Rider Levett Bucknall is a leader in global property and construction markets - we provide construction cost consultancy and advisory services across all infrastructure sectors.

2,500 RLB people in more than 100 offices are working to respond to new changes in the industry with the same uninterrupted, positive and progressive approach we've delivered to our clients throughout our long history in the market.

This brochure is specifically focused on our infrastructure experience in Australia and New Zealand.

Rider Levett Bucknall has completed many complex projects in the last decade having successfully demonstrated the application of leading edge methods of delivery and management.

We combine local knowledge and expertise with access to the information communication technology and human resources of our global network.

At all times we can provide the personnel to handle peak workloads, and the specialist skills to meet diverse requirements.

Our clients benefit from independent and unbiased advice on all matters of cost significance, throughout the life cycle of a wide variety of infrastructure projects.

The examples listed in this Capability Statement required the highest level of skill, experience and planning. They have contributed to our growth in innovation and research, new services and techniques, and to our global knowledge bank.

Our Vision

Shared corporate culture and our values remain the consistent thread that permeates our entire global operations.

We live our vision to be the leading global practice in our markets by delivering sustainable competitive advantage through the passion of our people.

Our employees strive to:

- Achieve the best outcomes through close collaboration with our clients and the many stakeholder communities we serve;
- Work hard to build strong relationships with others and understand the issues and aspirations that drive them;
- Measure success by their ability to create the value our clients are looking for; and
- Deliver superior results.



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Creating relationships that create value

Rider Levett Bucknall has been involved in the construction of many of the world's most prominent and successful infrastructure projects.

The company supports the transport, mining, energy, water and refining sectors across the world. Infrastructure will be one of the great challenges of the 21st century as global population growth is set to continue rapidly. Infrastructure will need to be upgraded and expanded to accommodate this growth.

As part of our global practice, Rider Levett Bucknall is at the forefront of the latest technologies and has the capacity to deploy global resources to deliver best practice solutions in the planning and cost management of infrastructure.

We believe the best outcomes are achieved through close collaboration with our clients and the many stakeholder communities we serve.

So every day our growing teams of infrastructure specialists work hard to build strong relationships with others and understand the issues and aspirations that drive them.

We measure success by our ability to create the value our clients are looking for.

The projects documented in this Capability Statement are testimony to this.

Rider Levett Bucknall, through proven performance and innovation, continues to grow as one of the world's most active and advanced construction and property advisors with considerable expertise in the infrastructure sector.

ROADS

Rider Levett Bucknall has global capability in all aspects of the development of roads and associated works.

Our sophisticated advisory services also extend to road system management and policy formulation.

The key areas of our capability include:

- Community and stakeholder consultation
- Contract documentation and tender evaluation
- Economic and environmental appraisals
- Independent project reviews
- Project control
- Tunnels and bridges
- Total asset management, life cycle costing and programming

BRACKEN RIDGE ROAD, QLD

This project comprises a duplication of the existing road to improve its capacity and safety, a two-lane bridge and pedestrian bridge, two roundabouts and the adjacent road network.

Client: Brisbane City Council

Project value: \$20m

Services provided: Detailed Estimate and Risk Analysis

BREAKFAST CREEK ROAD UPGRADE, QLD

This project involves the feasibility and planning for a six-lane upgrade of the existing roadway, bridges and culvert crossings of Breakfast Creek Road in Newstead. It also includes a review of widening the existing bridge over Breakfast Creek and the reconfiguration of traffic lanes at the Inner City Bypass (ICB) portal.

Client: Brisbane City Council

Project value: \$100m

Services provided: Concept Estimate and Risk Analysis

EDWIN LAND PARKWAY, ACT

The Edwin Land Parkway features 800 metres of roadway, a roundabout and modifications to the existing roundabout, footpaths, and stormwater drainage and associated pipe work, structures and street lighting.

Client: Queanbeyan City Council

Project value: \$2.1m

Services provided: Quantities for Tenderers

KINGSFORD SMITH DRIVE UPGRADE, QLD

The Kingsford Smith Drive upgrade is set to future proof the roadway to meet increased demand and ensure the Airport retail precinct can be adequately managed into the future.

Client: Brisbane City Council

Project value: \$14m

Services provided: Schedule of Quantities, Monte Carlo Risk Analysis, Risk Assessment and TOC Estimate

NORTHERN BUSWAY, AUCKLAND

The Northern Busway is New Zealand's first purpose-built road dedicated to bus passenger transport and forms a key part of Auckland's rapid transit network. It is improving journey speeds, reliability and comfort and provides an attractive alternative to private vehicle use, increasing passenger transport modal share, and reducing the demand for more roads. Development included five new bus stations with park and ride facilities.

Client: Auckland North Shore City Council

Project value: \$17m

Services provided: Full Cost Management of Bus Stations and Supporting Infrastructure

OXLEY HIGHWAY REFURBISHMENT AT DOYLES WEST, NSW

Refurbishment of the highway including improving drainage and retaining the upside and downside of the slope.

Client: GHD for RTA

Project value: \$2m

Services provided: Quantities and Preliminary Estimates

PACIFIC MOTORWAY - PAPPAS WAY TO WORONGARY, QLD

The upgrade adds one lane in each direction and includes the provision of ancillary features such as landscaping and street lighting.

Client: Hyder Consulting for DTMR

Project value: \$150m

Services provided: Full Cost Consultancy

PROGRESS ROAD, QLD

The work at Wacol includes the widening of the road, two intersection upgrades to accommodate turn pockets and land acquisition to facilitate the construction and retaining walls.

Client: Brisbane City Council – City Design

Project value: \$14m

Services provided: Review of Quantities and Pre-Tender Estimate

REPAIR OF BOWRAVILLE TO BELLINGEN ROAD, NSW

Rider Levett Bucknall was engaged to undertake an assessment of the options and provide costing for each option to determine the future of the road after it suffered major damage due to landslides.

Client: GHD for RTA

Project value: \$10m

Services provided: Estimating

ST LUCIA BIKEWAY, QLD

The work includes the construction of approximately 735 metres of concrete bikeway and 40 metres of elevated boardwalk adjacent to the St Lucia Golf Links.

Client: Brisbane City Council – City Design

Project value: \$1m

Services provided: Review of Quantities, Project Estimate and Risk Analysis

TILLEY ROAD EXTENSION, QLD

The work includes the widening and re-alignment of Manly Road, the widening and upgrade of Hargreaves Road and two intersection upgrades, including road works, drainage, traffic signals, street lighting, service relocations and landscaping works.

Client: Brisbane City Council – City Design

Project value: \$13.75m

Services provided: Review of Quantities and Pre-Tender Estimate

WHARF ROAD BOULEVARD, NSW

The upgrade and reconfiguration of Wharf Road Boulevard, as part of the Honeysuckle Precinct redevelopment, included a roundabout, transition roads, stormwater drainage services and traffic management.

Client: Honeysuckle Development Corporation

Project value: \$2.2m

Services provided: Concept Design Estimate, Detailed Estimates for The Various Trade Packages and Pre-Tender Estimate

WYNNUM, PRESTON AND RANDALL ROADS, QLD

The work includes the removal of the existing roundabout and its replacement with a set of traffic signals, road widening and associated drainage and project reinstatement work.

Client: Brisbane City Council – City Design

Project value: \$5m

Services provided: Review of Quantities and Pre-Tender Estimate

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Major clients rely upon Rider Levett Bucknall for advice and direction on controlling, monitoring and reducing cost and construction time – the elements so crucial to successful project completion.

I would recommend the engagement of Rider Levett Bucknall for the provision of similar services without reservation.

RAIL

A high-speed train is shown in motion, blurred background, with a blue overlay. The train is white and blue, and is moving towards the viewer. The background is a blurred landscape with a blue overlay.

Rail projects attract a highly competitive market and strong drivers for innovative technical and commercial proposals. The challenge is to capitalise on the opportunity, sustain strong competitive tension and incentivise innovation.

Rider Levett Bucknall specialises in every cost facet of the life cycle of transport systems from planning, forecasting, modelling and feasibility studies, to asset management. This enables our team to contribute to feasibility studies giving visibility to the cost impacts of the various options, accounting for the staging implications and implementing cost benefit analysis to evaluate the capital cost and cost in use issues.

Focus on rail

Reliable transport is critical to the success of a city influencing its effectiveness in manifold ways.

A city's ability to achieve growth through urban renewal and consolidation, depends on the efficiency, reliability and availability of its transport system.

Rail transit projects are by nature more complex, technically challenging and have a higher risk profile than other transportation projects such as highways. The need to liaise with different stakeholders results in additional project complexity.

The significance of the scale of rail projects and their implications for international interest should not be underestimated.

It is important to put together a workable and robust structure for rail projects particularly as they are likely to set the benchmark for future projects.

New rail projects demonstrate a comprehensive approach to environmental sustainability; proving responsible infrastructure can be delivered efficiently.

They rely on critical rail fundamentals: modern, safe and accessible station and interchange facilities for commuters, good accessibility and convenient car parking.

Rider Levett Bucknall has a demonstrated history in the delivery of cost advice for major rail projects in Australia and New Zealand. Our experience covers full-service roles comprising cost planning from inception to completion, value engineering throughout the design development, and preparation of pre-tender estimates, tender assessment services and cash flow preparation.

Working in conjunction with government and the private sector, these projects are a successful demonstration of partnership between government and private enterprise to achieve world-best practice solutions for reliable transport.

The achievements and learnings from these experiences form a fundamental part of Rider Levett Bucknall's approach to major infrastructure projects and are testimony to our ability to pool our talents for the benefit of our clients.

ELECTRIC MULTIPLE UNIT (EMU) DEPOT MAINTENANCE FACILITY, AUCKLAND

A maintenance facility for Auckland's new electrified rolling stock, planned for completion mid-2013. The new facility is over 7,250 square metres and will include maintenance lanes, cleaning and heavy lifting facilities, administration and support buildings and site services. The selected site at Wiri requires significant remediation and fill to meet the required levels. Mainline track alterations also required.

Client: Auckland Transport

Project value: \$95m

Services provided: Full Quantity Surveying and Cost Management Services

FORTITUDE VALLEY STATION REFURBISHMENT, QLD

Upgrade of the Fortitude Valley Station (formerly called Brunswick Street Station) completed in 2008.

Client: Queensland Rail

Project value: \$32.8m

Services provided: Estimating, Cost Planning, Contract Negotiation and Post-Contract Services

GOONYELLA TRAIN MAINTENANCE PERMANENT FACILITY, QLD

The rural coal train maintenance facility comprises maintenance sheds, cleaning facilities, administration and support buildings and site services. The selected site offered many challenges for the design team with tracks spanning creeks and major site benching and levelling works required to obtain the desired falls.

Client: Pacific National

Project value: \$85m

Services provided:

PROJECT DART, AUCKLAND

Project DART is a series of improvements to Auckland's rail network which, when completed, will allow more frequent and reliable passenger services and improve pedestrian safety around the rail network. Project DART comprises double tracking, track lowering, and station upgrades along the length of the rail network, and interfaces with transportation hubs at Manukau, New Lynn and Auckland's CBD.

Client: KiwiRail

Project value: \$600m

Services provided: Secondment for Central Cost Management

SOUTHERN SYDNEY FREIGHT LINE, NSW

Assisting Australian Rail Track Corporation with the contractual needs of the Southern Sydney Freight Line (SSFL) program.

Client: Australian Rail Track Corporation (ARTC)

Project value: \$300m

Services provided: Contractual Advice

SUNCORP STADIUM - TRANSPORT, QLD

Rider Levett Bucknall provided estimating and trade package bills for the redevelopment of Lang Park, the headquarters of Rugby League in Queensland, with upgraded rail and road infrastructure, including a Bus Terminal Facility.

Client: Queensland Government

Project value: \$220m

Services provided: Estimating and Trade Package Bills

WELLINGTON REGIONAL RAIL PROJECT (WRRP), WELLINGTON

The project includes a double track replacing the existing single track from McKays Crossing to Waikanae and extension of electrification, substation and station developments.

Client: ONTRACK

Project value: \$100m

Services provided: Estimating, Financial Administration and Review / Audit

Rider Levett Bucknall was selected as the Winner of the 2011 Australian Business Award for Service Excellence in its industry classification. We owe our success to the exceptional service and professionalism displayed by our infrastructure specialists - especially those who contributed to the South West Rail Link.





Images courtesy Transport Construction Authority



SOUTH WEST RAIL LINK, NSW

SWRL is a new 11-kilometre twin track rail line, connecting Glenfield to Leppington via Edmondson Park.

The project is an initiative of the NSW Government to respond to issues of reliability and passenger growth on the metropolitan rail network and population growth in south-west Sydney.

The SWRL will help meet Sydney's population growth by providing essential infrastructure for new communities that are less car dependent, less power and water hungry and more livable.

The SWRL includes:

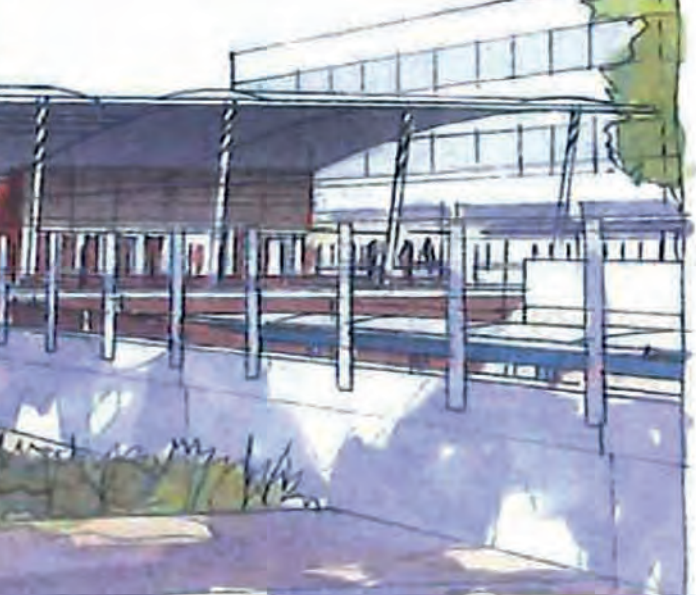
- 11.4 kilometre twin track line from Glenfield to Leppington
- Two new stations at Edmondson Park and Leppington
- Train stabling facilities at Rossmore

Construction of the project began in August 2009 at Glenfield and the new rail line is expected to commence operation in 2016.

Client: Transport Construction Authority

Project value: \$2.1b

Services provided: Full Cost Consultancy



Our Performance

The delivery of cost advisory services by Rider Levett Bucknall was significant having taken on the role from an incumbent practice with very tight deadlines and many varying attributes to the project.

Rider Levett Bucknall put in place a senior management team and at the key delivery stage involved up to 28 staff with expertise drawn from offices in Sydney, Canberra and Brisbane.

Not only were the cost advisory services delivered quicker than would have otherwise been the case, the Contractor Performance Report (2010) revealed the standard of work under the PSC was ranked at a superior level. This is the highest category attainable.

High levels of open communication resulted in a quality outcome and confidence in the figures provided.

Rider Levett Bucknall familiarised themselves with the project in a short time frame, delivering a detailed cost build up without impacting the project.

Rider Levett Bucknall's proactive approach and client cooperation is a highlight of their services. Regular contact with senior personnel enables issues to be resolved quickly.



EPPING TO CHATSWOOD RAIL LINK, NSW

The Epping to Chatswood Rail Link comprised the construction of surface structures, underground fit out of three new stations at North Ryde, Macquarie Park and Macquarie University, and the fit out of Epping Station.

Client: Transport Construction Authority

Project value: \$250m

Services provided: Cost Planning and Cost Advice



GOLD COAST LIGHT RAIL, QLD

This project is being delivered by the Queensland Government in partnership with the Australian Government and the Gold Coast City Council. The 13-kilometre light rail system will connect Griffith University to Broadbeach and pass through Southport and Surfers Paradise.

Rider Levett Bucknall was appointed by the bid consortium of Royal Bank Scotland, John Holland and Itochu to carry out a technical and cost due diligence assessment of the bid to ensure appropriate processes were adopted and risks identified and addressed. The due diligence report was a requirement of the financiers and debt and equity investors to facilitate the raising of funds for this Public Private Partnership bid submission. Appointment of the successful bid consortium was finalised in 2011.

Client: RBS, John Holland and Itochu

Project value: \$800m

Services provided: Technical and Cost Due Diligence Assessment



NORTH SYDNEY STATION UPGRADE, NSW

Redevelopment of North Sydney Rail Station to cope with increased pedestrian flows, BCA upgrades and modernisation of the building.

Client: Transport Construction Authority

Project value: \$90m

Services provided: Cost Planning

Central to the customer proposition is to 'unite in partnership'. Early in the project delivery phase our infrastructure teams acknowledge the importance of a common purpose to make communication consistent and clear.

TRANSPORT INTERMODAL

Passenger transport efficiency is centred around an interchange hub or intermodal. Coordinated transport strategies that link car, bus, train and light rail are essential to ensure transport meets passenger needs in the 21st century and that moving from mode to mode is achieved seamlessly. Increasing freight intermodals are bringing together shipping with rail and road distribution to move freight quickly and economically to its final destination. In particular by combining freight rail links there is the opportunity to greatly reduce the amount of freight traffic on our already crowded roads.

CHATSWOOD RAIL INTERCHANGE, NSW

This project involved the staged redirection of rail line, signalling and electrification to enable the construction of the new Chatswood Railway Station and Interchange development.

Client: Transport Construction Authority

Project value: \$30m

Services provided: Cost Planning

DART 1 NEWMARKET RAIL STATION, AUCKLAND

The Newmarket station upgrade included major reconfiguration and redevelopment of the track layout including an increase of the station and junction capacity to facilitate growing train patronage. A new station has been constructed, including a triple track reconfiguration and twin island platforms. Remuera Road rail over bridge has also been rebuilt as part of these works. Significant works have been undertaken to facilitate future electrification.

Client: KiwiRail and Auckland Transport

Project value: \$60m

Services provided: Full Quantity Surveying and Advisory Services

DART 9 MANUKAU RAIL STATION, AUCKLAND

The rail link, will include a 300-metre long rail trench which will house two 180-metre long lateral platforms with canopies, paving, seating, signage and services and Auckland Transport's station. The station will sit adjacent to Manukau Institute of Technology's planned new campus. The two kilometres section of new track will link Davies Ave in Manukau City with the Southern Line at Puhinui. It will run alongside the new SH20 motorway extension and will be mostly double tracked to achieve convenient and frequent services.

Client: Auckland Transport and Manukau City Council

Project value: \$16m

Services provided: Full Quantity Surveying and Cost Management Services

EAST LAKE TRANSPORT HUB, ACT

The East Lake Transport Hub in Canberra encompasses a review of the transport links within the main city precinct and housing, commercial, retail and open space envisaged for the area, in order to provide a lively high-density urban community.

Client: AECOM and ACTPLA

Project value: Confidential

Services provided: Cost Planning and Detailed Costing

MOOREBANK INTERMODAL, NSW

The Moorebank Intermodal is situated on land currently owned by the Department of Defence, in the south western corridor of Sydney, with access to the proposed Southern Sydney Freight Line, the M5 road corridor, and the industrial area of Western Sydney via the M7 corridor. Access to these road and rail connections will allow the terminal to have access to the interstate road and rail network and Sydney's ports.

Client: Department of Finance

Project value: Confidential

Services provided: Detailed Assessment

NEWCASTLE TRANSPORT MANAGEMENT STUDY, NSW

The management study focused on the beautification of the Newcastle CBD, including the relocation and rearrangement of transport services.

Client: Rail Corp

Project value: \$50m

Services provided: Estimating

REFURBISHMENT OF BRISBANE RAILWAY STATIONS, QLD

The refurbishment of amenities at Central and Roma Street Stations, the refurbishment of Eagle Junction Station concourse and the refurbishment of Oxley Station included new ceilings, improved lighting, enhanced CCTV coverage and security, amenities and seating, improved directional signage and passenger display systems.

Client: Queensland Rail

Project value: \$11m

Services provided: Estimating and Cost Planning

ROBINA INTERCHANGE, QLD

The Robina Interchange upgrade involved replacing existing roundabouts with traffic-controlled intersections, new road lighting and improved ramps to improve safety, reduce congestion and improve traffic flow.

Client: Queensland Department of Transport and Main Roads

Project value: \$50m

Services provided: Detailed Design TOC Estimate, Monte Carlo P90 Risk Analysis and Risk Assessment

WELLINGTON RAILWAY STATION UPGRADE AND FITOUT CONTRACTS, WELLINGTON

The work needed to be undertaken in stages to enable ongoing operation of the existing station facilities and to minimise disruption to existing tenants while undertaking significant demolition and reconstruction works required for the structural strengthening works.

Client: ONTRACK / NZRC / NZ Crown / VUW

Project value: \$25m

Services provided: Full Cost Consultancy

WILLAWONG BUS DEPOT, QLD

The main scope of work included hard stand parking for 200 buses, bus refuelling facility (natural gas and diesel), bus servicing garage and workshop, administration and staff buildings, parking for 280 cars, roadworks, drainage and services infrastructure, landscaping and the relocation of an existing weighbridge and Thiolen Plant.

Client: Brisbane City Council

Project value: \$35m

Services provided: Construction Estimating and Risk Analysis



DART 2 BOSTON ROAD STATION, AUCKLAND

Boston Road Station has been relocated and upgraded. Platform works include bulk filling to make-up levels, retaining structures and standard platform finishes. The design also included for lighting, service ducting, CCTV and other services installation. Eastern and western access from concourse level to platform level can be gained by stairs or glazing clad lift.

Client: Auckland Transport

Project value: \$3m

Services provided: Full Quantity Surveying and Cost Management Services



DART 6 NEW LYNN RAIL STATION, AUCKLAND

The New Lynn Rail Station and deep trench project was one of the largest New Zealand railway projects completed in the last decade, with a kilometre-long trench that was dug through the town centre along the railway corridor. This project was carried out by KiwiRail as part of Project DART. The project included sinking the tracks and station into a trench, building a new feature station with an elevated roof and no walls for natural ventilation, 220-metre platform, double tracking over 880 metres, slewing, bridge replacement and extensive roadworks. Road was grade-separated from rail to enable vehicle traffic to pass over the line.

The procedure to construct the one kilometre of trench with finished depth of up to eight metres involved multiple temporary shifts of the railway line and of various associated roads, and was called the most difficult part of the DART railway development program in Auckland.

Client: KiwiRail

Project value: \$160m

Services provided: Specialist Probity Auditing

Rider Levett Bucknall is a sophisticated global network of experienced individuals who share ideas, methodologies and expertise to solve client problems. It is this standard of excellence that distinguishes Rider Levett Bucknall in the marketplace and supports its strategic growth as it moves forward.

MINING

From mine concept to mine closure Rider Levett Bucknall is able to assist in developing innovative solutions that meet the increasing demand for faster, safer, sustainable and more cost effective mining solutions.

Rider Levett Bucknall's cost management and advisory services cover market sectors in the mining and metal industries such as gold, diamonds, platinum, coal, base metals, chrome and mineral sands.

We focus on every cost facet of the life cycle of a mine's life from planning, forecasting, modelling and feasibility studies, to asset management and mine closure. This enables our team to give visibility to the cost impacts of the various options, accounting for the staging implications and implementing cost benefit analysis to evaluate the capital cost and cost in use issues.

Our work in mining and mine infrastructure demonstrates considerable diversity in our capability. Our experience includes providing feasibility estimates, cost planning and asset management in the following:

- Mining development
- Mine infrastructure
- Mine access
- Town development
- Materials handling
- Prospectus
- Utilities
- Mine closure

Focus on mining

MINE INFRASTRUCTURE

Mine infrastructure can cover all aspects of mining operations, from accommodation and facilities for employees to roads, rail, water supply and sewage treatment around the site.

Our approach to mine infrastructure ensures overall objectives are met, particularly when the many mining components; geological, panning, materials handling, metallurgical, tailings and of course the financial, are often at odds with each other. Our experience, understanding and ability to bring projects together results in optimum project outcomes.

We are aware of not only the diverse regional factors that affect the location of the mine but also the variety of commodities be it coal, gold, iron ore, base metals or precious metals; either mined or quarried.

MINE ACCESS

Access to mine sites brings with it its own set of unique challenges. The cost of access varies significantly with such factors of transportation method, complexity, terrain and location all to be considered.

These factors along with mine longevity are all taken into consideration when undertaking our risk assessment and our life cycle costing in order for all parties to understand the whole of life investment.

As the need for raw materials continues we are aware of improved design techniques that allow for the remotest of sites to be accessed by road, rail, sea and or air, thereby delivering more projects or extending the life of existing sites.

Our team with its broad infrastructure experience are aware and fully understand the differing methods required for sites not only as access to, but also in the delivery of the particular raw material from site to its embarkation point. Further we appreciate the operational and maintenance issues associated with access requirements.

MATERIALS HANDLING

A key to the success of any mine is the efficient delivery of its product to its embarkation point. Bulk materials handling can be covered by many methods dependent on the raw material being mined, the location of the mine and the delivery method beyond embarkation.

This can be a mixture of truck movements, conveyor work, stock piling and reclamation.

In understanding the method of materials handling it is also imperative to be aware of the needs of the raw material, will excessive storage cause breakdown, bin, movements and material treatments.

Whilst the greenfield site can often be complex it is the brownfield or existing facilities where expansion is required that the real expertise comes into play. This includes being able to understand not only the integration issues but also the ramifications of safety and the costs associated with the loss of production.

BALLINA QUARRY EXPANSION, NSW

This project involved the expansion of the existing lease for the quarrying of sand. The expansion will allow for a 60% increase in extraction at the quarry.

Client: Private

Project value: \$12m

Services provided: Cost Advice

COASTAL BULK FUEL STORAGE PLANT CAIRNS, QLD

The decommissioning and dismantling of an existing fuel storage facility and the construction of a new facility with a capacity of 1,800,000 litres plus associated civil works, loading and unloading facilities.

Client: Mobil Oil Australia

Project value: \$32m

Services provided: Cost Planning and Construction Cost Management

COASTAL BULK FUEL STORAGE PLANT, WA

The construction of a bulk fuel storage facility on the coast of North Western Australia at Wyndham, comprising the installation of six storage tanks with a combined capacity of 3,000,000 litres of petroleum and associated civil works, loading and unloading facilities.

Client: Mobil Oil Australia

Project value: \$28m

Services provided: Cost Planning and Construction Cost Management

MAGNESIUM PRODUCTION FACILITY, QLD

This is a new magnesium production plant adjacent to the Stanwell Power Station.

Client: Australian Magnesium Corporation

Project value: \$1.2b

Services provided: Independent Auditor

MAGNESIUM PRODUCTION FACILITY, TAS

A pre-feasibility study was carried out for the production of magnesium metal from magnesite to be extracted from the Arthur / Lyons river magnesite deposit in Tasmania.

Client: Crest Magnesium

Project value: \$780m

Services provided: Pre-Feasibility Study

MANGOOLA COAL MINE, NSW

One of the largest open cut mines in the Hunter Valley the Mangoola Coal Mine at Anvil Hill expands the existing open cut mine. The project comprises significant infrastructure works including a new mining infrastructure platform, upgrade of existing roads, new rail as well as relocation of major services including HV power lines.

Client: Centennial Coal

Project value: \$300m

Services provided: Cost Management, Detailed Feasibility Analysis and Detailed Schedules of Quantities

MOUNT THOREY OPERATIONS COAL MINE, NSW

This project involved the procurement of a number of new administration and amenity facilities for the Mount Thorley open cut mine located near Singleton in the Hunter Valley. Works included the provision of a crib room and significant alterations to the workshop.

Client: Mount Thorley Operations

Project value: Confidential

Services provided: Preliminary Order of Cost Estimate

MURRIN MURRIN NICKEL MINE, WA

This project included examining the quantities, build ups, mark ups and rates used in the estimate and, in conjunction with a value engineering exercise, was able to assist in bringing the value down to \$930 million which became the contract value for Fluor Daniel's EPC contract.

Client: Anaconda Nickel

Project value: \$930m

Services provided: Audit of Fluor Daniel's Capital Cost Estimate

NEWCASTLE COAL INFRASTRUCTURE GROUP COAL TERMINAL, NSW

The Newcastle Coal Infrastructure Group was set up to expand the operations at the Newcastle Port. The civil and infrastructure components of the works are currently being undertaken, including earthworks, concrete and civil works as well as the provision of rail and signaling installations.

Client: Abi Group

Project value: \$95m

Services provided: Review and Comparison of Design and Tender Documentation, Detailed Schedule of Quantities

NEW CATALYTIC CRACKER PLANT, VIC

The new Catalytic Cracker Plant includes construction of a new FCC plant at Mobil's Altona refinery.

Client: Toyo Engineering Corporation

Project value: \$180m

Services provided: Cost Management

NEW LOADING JETTY, ADELAIDE REFINERY, SA

This project entailed the renewal of the existing product loading jetty at the Mobil refinery at Port Stanvac.

Client: Mobil Oil Australia

Project value: \$35m

Services provided: Cost Planning, Estimating and Cost Management

THE MAC MORANBAH, QLD

Mining village facilities comprising accommodation buildings, kitchen and dining building, tavern, gymnasium and administration building.

Client: The Mac Services Group

Project value: \$28m

Services provided: Cost Planning, Estimating

WINDIMURRA VANADIUM MINE, WA

Rider Levett Bucknall was engaged by Precious Metals Australia to undertake an audit of Signet Engineering's capital cost estimate.

Client: Precious Metals Australia

Project value: \$110m

Services provided: Independent Audit



OK TEDI MINE, PAPUA NEW GUINEA

Rider Levett Bucknall has provided cost consultancy services for the decommissioning of Ok Tedi mine in Papua New Guinea for mine closure in 2013. The Ok Tedi mine is a major producer of copper concentrate for the world smelting market.

Under the current mining plan, open pit ore reserves at Ok Tedi are expected to be exhausted around late 2013, a feasibility study is underway, however, to look at options to extend the mine life until 2023.

Client: Ok Tedi Mining Limited

Project value: \$200m

Services provided: Independent Review

Drawing on the diversified knowledge, skill base and resources of Rider Levett Bucknall's global practice, enables our infrastructure specialists to exploit opportunities by responding rapidly to client needs.

BRIDGES & TUNNELS

Rider Levett Bucknall has global capability in all aspects of the development of roads, bridges and tunnels.

Our sophisticated advisory services also extend to road system management and policy formulation.

The key areas of our capability include:

- Community and stakeholder consultation
- Contract documentation and tender evaluation
- Economic and environmental appraisals
- Independent project reviews
- Project control
- Total asset management, life cycle costing and programming



KURILPA BRIDGE, QLD

The multiple-mast, cable-stay tensegrity design pedestrian and cycle bridge across the Brisbane River links the city centre and South Brisbane and completes a pedestrian and bicycle loop. The bridge is part of the Brisbane City Centre Master Plan prepared by the Brisbane City Council and the Queensland Government's South East Queensland Infrastructure Plan and Program 2008-2026.

Client: Department of Public Works, Queensland Government

Project value: \$63.3m

Services provided: Estimating, Cost Planning, Contract Documentation and Construction Phase Cost Services

ADELAIDE FESTIVAL CENTRE PLAZA, SA

A new glass bridge from Sky City Casino to the Adelaide Festival Centre, car park and landscaped garden create a sustainable government asset and community area. The redevelopment was undertaken while the complex was operational.

Client: Adelaide Festival Centre

Project value: \$5m

Services provided: Cost Planning and Contract Administration

BRIDGE REPLACEMENT WORKS FOR KIWI RAIL, AUCKLAND

As part of the enabling works for electrification of the Auckland rail network, a number of road bridges crossing the existing railway required raising or full replacement to provide necessary track clearance for the overhead lines and gantries. Bridges included: St Marks Bridge, St George Street Bridge, Bridge Street Bridge, Davis Crescent Bridge, Remuera Road Bridge, Orakei Road Bridge, Morrin Road Bridge and the Mt Wellington Highway Bridge.

Client: KiwiRail

Project value: \$15m

Services provided: Full Quantity Surveying and Cost Management Services

GO-BETWEEN BRIDGE AKA HALE STREET LINK, QLD

The Go-Between Bridge improves access to South Brisbane and the West end to meet the needs of future population growth.

Client: Brisbane City Council - Major Infrastructure Project Office

Project value: \$255m

Services provided: Independent Cost Reviewer

HOME BUSH BAY BRIDGE, NSW

A proposed traffic and pedestrian bridge linking Wentworth Point to Rhodes West.

Client: Consortium

Project value: \$40m

Services provided: Full Independent Estimate including numerous Cost Option Studies

HOOK BRIDGE SYLVIA PARK SHOPPING CENTRE, AUCKLAND

A new road and bridge connecting Carbine Road to the new Sylvia Park Shopping Centre over existing railway lines. The works included the widening of the existing Carbine Road and existing culverts, a one-kilometre road and a 200-metre precast concrete bridge.

Client: Kiwi Income Property Trust

Project value: \$8m

Services provided: Full Cost Consultancy

LIGHTS LANDING FOOTBRIDGE, SA

A footbridge for the Lights Landing Marina Complex in Glenelg.

Client: Holdfast Shores Consortium

Project value: \$14.8m

Services provided: Master Planning, Cost Planning, Contract Administration and Finance Certification

LINDUM ROAD OVERPASS, QLD

This project involved the development of the cost plans, Monte Carlo analysis and multi-criteria analysis for two options for the Lindum Road Overpass project.

Client: Brisbane City Council - Transport Infrastructure

Project value: \$78m

Services provided: Cost Planning and Risk Analysis

NERANG RIVER BRIDGE, QLD

A proposed river crossing bridge to take the Gold Coast rapid transit system. Also included within the scheme are a number of viaducts including the Smith Street Viaduct (\$12m), Loaders Creek Viaduct (\$12m) and the Depot Viaduct (\$10m).

Client: Gold Coast City Council

Project value: \$34m

Services provided: Technical and Financial Due Diligence on behalf of the PPP bid consortium including a Full Independent Estimate

NEW PEDESTRIAN AND HORSE TUNNEL, FLEMINGTON RACECOURSE, VIC

The new pedestrian and horse tunnel at Flemington Racecourse consisted of a tunnel built under the existing track.

Client: Victorian Racing Club (VRC)

Project value: \$6m

Services provided: Full Cost Consultancy Services

ORATIA STREAM CYCLEWAY BRIDGE, AUCKLAND

Two alternative 30-metre footbridge designs for the Oratia Stream Cycleway Auckland, a standard footbridge and artbridge.

Client: Waitakere City Council

Project value: \$0.5m

Services provided: Preliminary Estimates of Construction Costs for two alternative designs

RIVER TORRENS FOOTBRIDGE, SA

The River Torrens Footbridge is a new footbridge across the River Torrens to access the Adelaide Zoo's new entrance.

Client: Adelaide City Council

Project value: \$1.2m

Services provided: Cost Planning and Contract Administration

STURGES ROAD BRIDGE, AUCKLAND

Catering for the expanded rail line in Auckland, the bridge incorporates three vehicle lanes, two cycle lanes and two pedestrian footpaths. Continued access for pedestrians and vehicles is required throughout construction and extensive road works are required due to the increased bridge height.

Client: Waitakere City Council

Project value: \$7m

Services provided: Cost Estimating and Schedule of Quantities

TRAPPAUD BRIDGE, NSW

The removal of an existing timber framed bridge and the construction of a new two-lane concrete bridge will allow for an increased capacity to the Maitland and Leith Park area. The bridge will also cater for heavy access traffic.

Client: GHD and RTA

Project value: \$1.7m

Services provided: Estimating, Detailed Schedule of Quantities and Alternative Value Management Solutions

YARRA PARK PEDESTRIAN LINK, VIC

The Yarra Park Pedestrian Link is a five-stage development including the William Barrack Bridge. This significant 525-metre long pedestrian bridge provides a link from Federation Square to the environs of the Melbourne Cricket Ground. It is broken into a series of stages, crossing rail yards and a variety of other urban spaces.

Client: Major Projects of Victoria

Project value: \$30m

Services provided: Full Cost Consultancy



CITY EAST CABLE TUNNEL, NSW

A 3.5-metre diameter tunnel comprising 3.3 kilometres of bored tunnel and 1.5 kilometres of road header tunnel.

Client: Ausgrid

Project value: \$130m

Services provided: Full Independent Estimate to enable Ausgrid to enter into the appointment of a single tender action contractor ensuring the price represented value for money



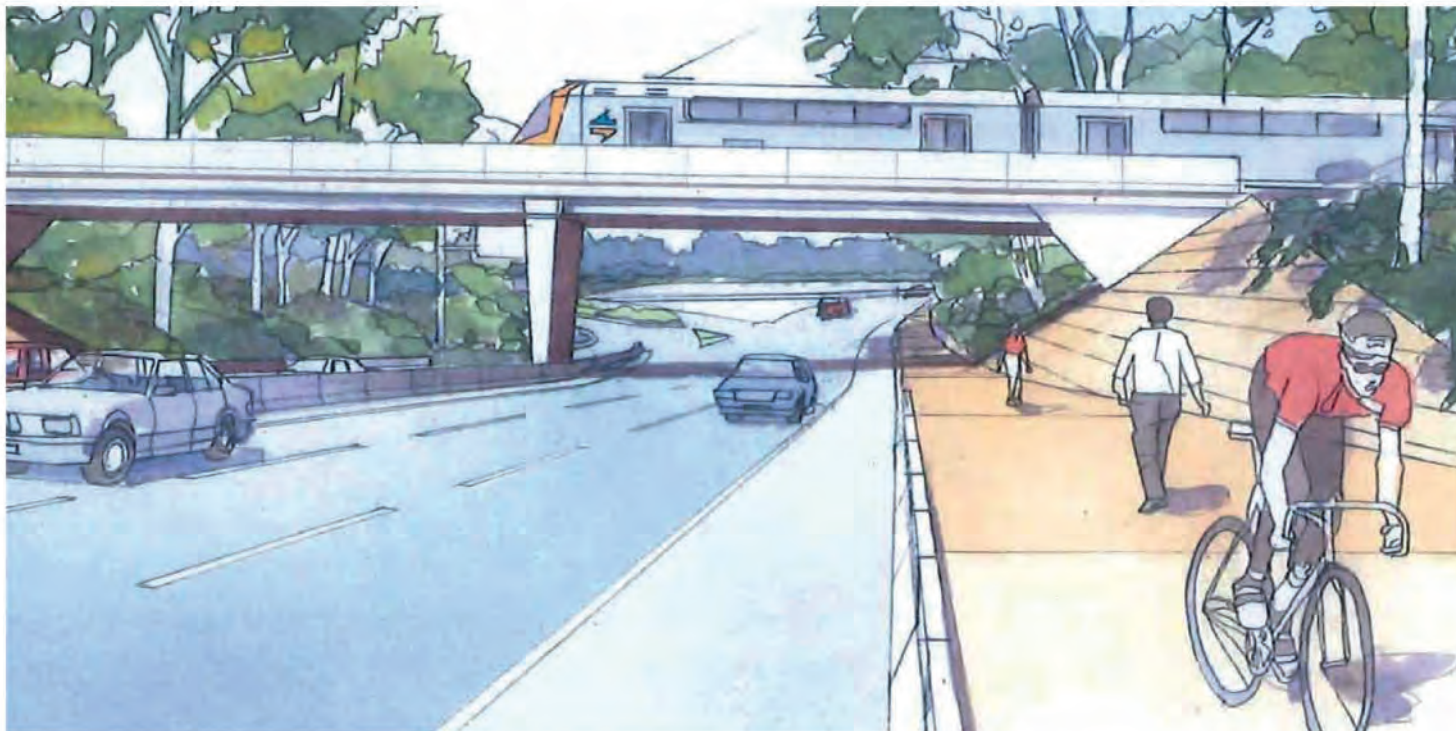
GOODWILL BRIDGE, QLD

A 400-metre long, 6.5-metre wide pedestrian and cycle bridge, including site works at both landings and associated neighbouring building alterations.

Client: Department of State Development, Queensland

Project value: \$23m

Services provided: Full Cost Consultancy



SOUTH WEST RAIL LINK, NSW

Artist's impression of the proposed Camden Valley Way underbridge. The South West Rail Link in NSW includes 13 over and underbridges.

Client: Transport Construction Authority

Project value: \$2.1b

Services provided: Full Cost Consultancy



EPPING STATION PEDESTRIAN OVERPASS, NSW

Upgrade works began in 2004 to prepare the station for the Epping to Chatswood Rail Link. Works included a new concourse and pedestrian overpass, wider platforms, an underground transfer concourse and the addition of two underground platforms for the new line.

Client: Transport Construction Authority

Project value: \$250m

Services provided: Cost Planning and Cost Advice

Rider Levett Bucknall can cost manage projects of any type and size almost anywhere in the world to deliver superior outcomes. The company's focus on quality and adding value aims to deliver optimal results for projects and support the achievement of clients' business goals and objectives.

WATER & WASTE WATER

Rider Levett Bucknall works with private and public sector clients to fulfill the increasing demand for safe and reliable water. The current focus in Australia is to develop innovative solutions that meet the increasing demand for both the delivery of safe and reliable water and the sustainable management and treatment of waste water.

We use our global expertise at a local level, to assist our clients to develop a sustainable approach to water management. We specialise in every cost facet of the life cycle of water management systems including water and waste water provisions - from planning, forecasting, modelling and risk analysis, to asset management. This enables our team to contribute to feasibility studies giving visibility to the cost impacts of the various options, accounting for the staging implications and implementing cost benefit analysis to evaluate the capital cost and cost in use issues.

Our work in water management demonstrates considerable diversity in our capability. Our experience includes providing feasibility estimating, risk management and cost planning in the following fields:

- Water pipelines
- Treatment plants
- Dams and storage facilities
- Desalination plants
- Reticulation systems
- Pumping stations
- Alternate power solutions
- Water management systems

Focus on water and waste water

WATER MANAGEMENT

Water management covers an array of project types including waste water, pipelines, dams, plant, desalination, reticulation and alternate power sources.

By nature these projects are complex and technically challenging, requiring innovative low ecological footprints with cost effective solutions.

The introduction of private funding mechanisms with the need to liaise with different stakeholders and potential integration issues with existing systems results in additional project complexity.

Water related projects attract a highly competitive market and strong drivers for innovative technical and commercial solutions. The challenge is to capitalise on the opportunity, sustaining strong competitive tension and incentivising innovation.

WASTE WATER TREATMENT

Waste water treatment is one of the fundamentals associated with the water industry. The expertise to deliver a successful Water Treatment Plant (WTP) combines knowledge and experience in fields such as chemistry, biology, hydraulics as well as engineering and materials handling. WTPs can be new processing plants however often they are upgrades or extensions to existing facilities with the need for increased capacity due to increase in local area use or a requirement to improve effluent quality. It is therefore important for the key players to understand not only capital expenditure for a new project but also costs associated with 'fine tuning' existing plants to optimise performance.

Understanding the need for an integrated waste water solution is coupled by the delivery of innovative low ecological and cost effective solutions however this must be aligned with the operating challenges of producing high quality waste water discharge whilst having little or no control over the main sewage feed. Such a process has a high public awareness, monitoring, management, as well as strict government and environmental controls.

DAMS AND RESERVOIRS

Like the treatment of waste water, dams and reservoirs are the lifeblood to our water supply from the smallest of dams servicing community towns to large city and industrial dams. Dam design and location is an art that requires not only knowledge in the type of dam but knowledge associated with survey and hydrological studies and the ability to identify suitable sites, all key factors to be fully understood to ensure the delivery of effective dam solutions.

Rider Levett Bucknall's experience has included working on new embankment dams, concrete dams as well as major improvement to existing dam structures.

Our ability to work with design engineers providing cost effective solutions for design and physical attributes to structures is well recognised. Similarly our appreciation of such costs has been transferred to assist in the asset management of strategic assets critical to understanding the life cycle cost of an asset.

PIPELINES

Transporting of water and distribution of water brings with it its own set of unique challenges. The cost of such systems varies significantly with such factors as capacity, complexity and terrain to be considered. These are factors that we consider when undertaking our risk assessment of such projects and our life cycle costing in order to understand the whole of life investment.

As the need for water distribution continues we are aware of the developing technology to improve pipe durability and the increased life cycle for pumping and of course the associated cost input on capital works projects.

Similarly as the use becomes more popular and the question of water quality is pushed we are aware of the need to fully understand operational and maintenance issues associated with existing and future projects.

DESALINATION

Desalination is a hot topic in Australia and around the world as communities seek to reinforce their water supplies from non-climate dependent sources. The effective delivery of desalination plants is not only the technology of the plant, due consideration to site selection and infrastructure planning are other key issues that effect cost.

Desalination may represent an effective solution on the one hand but its high capital costs must be managed effectively.

Rider Levett Bucknall work with the engineers to review developing technology such as wind farms or other farms of renewable energy sources that can be utilised to power desalination plants and their processes.



BARWON WATER BIOSOLIDS MANAGEMENT FACILITY, VIC

The Barwon Water Biosolids Management Project will provide an environmentally sustainable, long-term management scheme for the beneficial utilisation of biosolids produced at the Black Rock and other regional water reclamation plants.

Client: Barwon Region Water Corporation / Plenary Environment

Project value: \$76m

Services provided: Technical Due Diligence, Independent Reviewer, Independent Certifier



NAMBUCCA DAM, NSW

The new dam will increase water supply to the local area including provision for future growth in the area. The project will include the increase in size of the current bore field,

Client: GHD

Project value: \$54m

Services provided: Cost Estimates including value-engineering advice

BAROSSA WATER PROJECT, SA

The Barossa Water Project involves the laying of approximately 185 kilometres of pipe work ranging from 150 millimetres to 960 millimetres diameter to provide irrigation water to the wineries of the Barossa Valley and includes four pump stations, pressure release valves, scour valves and hydrants.

Client: Barossa Infrastructure Limited

Project value: \$26m

Services provided: Finance Certification

BOOTAWA WATER TREATMENT PLANT, NSW

The construction of a new water treatment plant at the dam site to bring current water supply up to world-class standards for MidCoast Water.

Client: MidCoast Water

Project value: \$82m

Services provided: Cost Estimate Report (RCE Report)

BROOKFIELD ROAD WATER MAIN, QLD

Rider Levett Bucknall developed a first principles construction estimate for the Brookfield Road Water Main project, Kenmore Hills. The work includes the supply and the laying of one kilometre of DN375 DICL pipe, fittings and associated sluice, air and scour valves.

Client: Brisbane Water

Project value: \$1.2m

Services provided: Pre-Tender Estimate

CHAMBERS FLAT WATER TREATMENT PLANT, QLD

The Southern Regional Water Pipeline (SRWP) forms part of the South East Queensland Water Grid and includes the construction of a number of chemical dosing facilities within the network, including the Chambers Flat Water Treatment Plant.

Client: LinkWater

Project value: \$10m

Services provided: Independent Estimate of Project Cost

LNG DEVELOPMENT, QLD

As part of Arrow Energy's development at an LNG Production Facility on Curtis Island in the Port of Gladstone, GHD was engaged to investigate possible marine launch sites.

Client: Arrow Energy

Project value: \$6.2b

Services provided: Concept Estimating

MAIN LAKES - LOW LEVEL DAM, QLD

The work includes the construction of a clay core earth dam and concrete spillway. A precast concrete bridge is to be constructed over the spillway. Adjacent to the bridge is approximately 500 metres of new roadway, potable water reticulation, sewerage reticulation, electrical reticulation and communication conduits.

Client: Delfin Lend Lease

Project value: \$6.75m

Services provided: Budget Construction Estimate

NORTHERN INTERCONNECTOR PIPELINE STAGE 5A, QLD

Southern Regional Water Pipeline Company engaged an alliance team to design and construct the Northern Interconnector Pipeline Stage 5A Project. The project is a 1290-millimetre diameter pipeline and booster pump stations to deliver water from Landers Shute to Morayfield. The project objective is to provide infrastructure capable of providing the emergency supply to supplement Brisbane's water demand, as part of state Water Grid Program.

Client: Southern Regional Water Pipeline Company

Project value: \$200m

Services provided: Independent Estimator - Benchmarking

SOUTH EAST WATER RECYCLING ALLIANCE (SEWRA), VIC

Pakenham - Water Recycling Plant extension to existing facility, Somers - Sewerage Treatment Plant upgrade, Somers - Water Recycling Plant upgrade, Mt Martha - Water Recycling Plant upgrade, Boneo - Sewerage Treatment Plant upgrade, Troops Creek - New Water Recycling Plant.

Client: SEWRA

Project value: \$80m

Services provided: Estimating Services

SOUTHERN PIPELINE, TAURANGA

The Southern Pipeline is a large wastewater pipeline that is needed to transfer sewage from Tauriko / Greerton (to south west of Tauranga) to the Te Maunga Wastewater Treatment Plant, across the harbour to the south of Mt Maunganui. It will also relieve the pressure on the rest of the city's wastewater system, especially the existing Judea to Chapel St trunk main.

Client: Tauranga City Council

Project value: \$74m

Services provided: Cost Estimating including Schedule of Quantities

TEA GARDENS WATER TREATMENT PLANT, NSW

Rider Levett Bucknall prepared pre-tender estimates for the reverse osmosis water treatment plant for the region.

Client: MidCoast Water

Project value: \$12m

Services provided: Pre-Tender Estimates

WIVENHOE TO PERSEVERANCE WATER PIPELINE, QLD

LinkWater, on behalf of the Department of Infrastructure, undertook a draft feasibility study to determine the most appropriate route to supply water to Toowoomba. The route extends from the Wivenhoe Dam to Lake Perseverance. The project is a 600-millimetre diameter pipeline and booster pump stations to deliver water to Lake Perseverance. The project objective is to provide infrastructure capable of providing the emergency supply to supplement Toowoomba's water demand, as part of the State Water Grid Program.

Client: LinkWater

Project value: \$200m

Services provided: Cost Planning



TRANGIE NEVERTIRE IRRIGATION SCHEME, NSW

Rider Levett Bucknall provided estimates for the Federal Government in order to quantify proposed expenditure to upgrade the irrigation scheme, which included the lining of channels, pipework and pumping stations.

Client: Trangie Nevertire Irrigation Corporation

Project value: \$100m

Services provided: Estimates

A key aspect of Rider Levett Bucknall's service delivery is close attention to relationship management and good communication. Maintaining client awareness and project team focus, across all stages of the development with detailed and timely communication, is key to successful project outcomes.

ENERGY



The current focus in Australia is to develop innovative solutions that meet an ever-increasing demand for the safer, consistent, sustainable and more cost - effective delivery of power.

We specialise in every cost facet of the life cycle of power, its creation and its delivery - from planning, forecasting, modelling and feasibility studies to asset management. This approach allows our team to contribute from the inception stages of a project giving visibility to the cost implications of various options, accounting for staging implications and implementing cost benefit analysis to evaluate the capital cost and cost in use issues.

Our work in the energy sector demonstrates considerable diversity in our capability. Our experience includes providing feasibility estimates, cost planning and asset management to the following:

- Electrical distribution - high and low voltage
- High voltage transmission - underground and overhead
- Power generation - traditional
- Sustainable power generation - solar and wind
- Prospectus - product disclosure
- Cable tunnels

Focus on energy

ELECTRICAL DISTRIBUTION

With price volatility and pressure from regulators it is the ability of the resources sectors and energy providers to be able to adapt with both speed and efficiency in order to manage both production and distribution of the supply.

A further challenge is system reliability, system renewal, asset management and the ongoing aspects of the whole of life management of these systems, whilst also understanding that clients are often not only owners but also network users, such as generators or rail network operators.

The team at Rider Levett Bucknall works in an integrated energy environment with a comprehensive understanding of distribution, utilisation and demand participation.

HIGH VOLTAGE TRANSMISSION

Whilst electrical distribution is essentially the final stage of the delivery it is the high voltage transmission that begins the process to facilitate for the retailer. High voltage transmission spreads the opportunity for power to be available in particular areas. For example, remote areas are reliant on the expansion of transmission to achieve future growth. It is therefore critical to understand the effects and value of operating in remote area locations. Often the transmission cable will travel overhead with the effect on the environment being kept to a minimum.

Rider Levett Bucknall is aware of innovation in design to achieve focused solutions for the power industry not only in the supply and installation of cabling but also in the civil and structural design of foundation and tower types. Considerations such as prototype design and offsite fabrication are all areas where Rider Levett Bucknall is able to offer its expertise.

TRADITIONAL POWER GENERATION

Rider Levett Bucknall has been providing advice in relation to cost management and life cycle costing of power stations for many years. Whilst other, sustainable and alternative power generation is being sought, the global demand for energy increases and so does the demand for reliable capacity produced from traditional energy sources such as those fuelled by coal. This is underlined by the fact that currently 70% of global electricity is generated from fossil fuels.

At Rider Levett Bucknall we are able to offer comprehensive consultancy services, which assist in preventing delays, reviewing risk and delivering returns on investments, often to asset owners, developers or financial institutions.

While the power generation market seeks to improve its efficiency, reliance on fossil fuels and conventional thermal using coal, gas and oil remains the most likely means of addressing the escalating demand whilst the emerging technology for renewable energy is developed and implemented.

SUSTAINABLE POWER GENERATION

With the need for global power increasing along with regulation conformance, so is the need for renewable energy such as wind, solar, hydro and bioenergy technologies. We are fully aware of the client's needs to implement new technologies whilst remaining within time, within budget and being commercially viable.

Rider Levett Bucknall has the knowledge to assist in the reviews and assessments required to achieve a valuable wind resource, for example, and as prospecting continues we are able to provide commercial advice. The need for competitive production costs for solar projects is also an area where we are able to advise our clients thereby achieving a maximum power output, the key to a successful project.

Our interest in emerging energy generation such as biofuels from feedstocks and energy generated by hydro-power is demonstrated by our expertise and commitment at the global level.

PROSPECTING

As the demand for energy increases so does the need for suppliers, particularly the areas where the need for sustainable energy is a precedent. Many new players have entered the market for the supply and delivery of energy, requiring backing and funding from both internal and external sources.

Rider Levett Bucknall is well positioned to assist such companies in reviewing their capital expenditure costs and offering advice in relation to life cycle costings of future ventures. Such advice can often be translated and used to assist clients in funds management, public and private offerings, advice to investors and within prospectus.

SAFETY

As the provider of energy services, client groups will have a statutory obligation to operate safe facilities and distribution networks.

Ultimate accountability for compliance with the statutory safety obligations will always reside with the client group, however in most projects it is effectively the private sector that controls the satisfaction of these obligations by virtue of the fact that they are allocated responsibility for the majority of the design, construction and ongoing maintenance risks associated with a project.

We are well aware of these safety obligations and the cost impact on projects, each project is assessed on its merits and the cost of specific safety requirements built into our estimates.

BANKSTOWN 33KV SUBSTATION, NSW

This project involved the construction of a new 33kV zone substation. The building comprises two levels, a cable marshalling area and 33kV switch room. The works include building construction, conduit installation and fit out works.

Client: Energy Australia

Project value: \$3.1m

Services provided: Pre-Contract Estimating and Cost Planning

BQ ZONE SUBSTATION, VIC

BQ Zone Melbourne Substation Refurbishment.

Client: Powercor

Project value: \$4m

Services provided: Full Cost Consultancy

CITY MAIN SUBSTATION, NSW

The City Main Substation project is to be conducted over two stages. The first stage is to include seismic strengthening works, some minor architectural alterations and significant alterations to and relocation of cabling. The second stage is to include risk mitigation works, such as fire, soil contamination and transformer blast walls and building risk mitigation.

Client: Energy Australia

Project value: \$2.1m

Services provided: Preliminary Order of Cost Estimates and Tender Audit Estimates

CROYDON SUBSTATION, NSW

The two-storey zone substation comprises a below ground cable basement, upper level 11kV and 132kV switch rooms and control areas and two external transformer bays.

Client: Energy Australia

Project value: \$5.5m

Services provided: Cost Planning, Estimating, Tender Documentation, Tender Assessment and Post-Contract Services

EPPING SUBSTATION, NSW

The two-storey zone substation comprises below ground cable basement, upper level 11kV switch rooms and control areas.

Client: Energy Australia

Project value: \$3m

Services provided: Cost Planning, Estimating, Tender Documentation, Tender Assessment and Post-Contract Services

HOBSON STREET SUBSTATION, AUCKLAND

Transpower New Zealand is constructing a new substation at Hobson Street, adjacent to Vector's (the local lines company) existing facility. This is being progressed under a separate agreement with Vector, but is coupled with the North Auckland and Northland program of work. The new substation will connect to the underground cable circuit being installed between Pakuranga and Albany, and reinforce critical supplies to Auckland's CBD.

Because of the urban environment, the substation will be fully indoors using gas insulated switchgear (GIS).

Client: Hawkins Construction

Project Value: Confidential

Services provided: Estimating Services

INTEGRAL ENERGY ROLL OUT PROGRAM, NSW

Work on various assets of Integral Energy's roll out program.

Client: Integral Energy

Project value: Confidential

Services provided: Various Cost Consultancy Services

LINDFIELD SUBSTATION, NSW

The two-storey zone substation comprises below ground cable basement and upper level switch rooms and control areas. This also involved modifications and upgrades to the existing switching station building.

Client: Energy Australia

Project value: \$6m

Services provided: Cost Planning, Estimating, Tender Documentation, Tender Assessment and Post-Contract

LNG DEVELOPMENT, QLD

As part of Arrow Energy's development at an LNG Production Facility on Curtis Island in the Port of Gladstone, GHD was engaged to investigate possible marine launch sites.

Client: Arrow Energy

Project value: \$6.2b

Services provided: Concept Estimating

MOUNT THORLEY SUBSTATION, NSW

The construction of a new substation facility over two stages at Mount Thorley in the Hunter Valley. Works will include site preparation and levelling, construction of a new substation building and switching yard and provision of associated external works at a remote site.

Client: Energy Australia

Project value: \$1.3m

Services provided: Preliminary Order of Cost Estimate

NEWDELL SUBSTATION, NSW

The single-storey substation comprises trenched access floor ground level controlroom 11kV switchroom areas and extensive upgrades to the existing hardstand access roads.

Client: Energy Australia

Project value: \$3m

Services provided: Cost Planning, Estimating, Tender Documentation, Tender Assessment and Post-Contract Services

NORTH SYDNEY SUBSTATION, NSW

The North Sydney Substation will be a multi-storey zone substation comprising a below ground cable basement, upper level for three internal transformers and 11kV and 132kV GIS switch rooms. External services include extensive in ground services cabling requirements and relocation works. The building façade comprised architectural quality cladding and louvre elements.

Client: Energy Australia

Project value: \$25m

Services provided: Independent Estimator

NNA NEW SUBSTATION AND SWITCHBOARD UPGRADE WILLOUGHBY, NSW

This highly complex commission involved the decommissioning and demolition of the old onsite Energy Australia substation and the construction of a new substation and switch room including upgrading of the switchboards.

Client: Nine Network Australia (NNA)

Project value: \$2.7m

Services provided: Pre-Contract Estimating, Cost Planning and Post-Contract Services

RUTHERFORD SUBSTATION, NSW

Construction of the new substation at Rutherford in the Hunter Valley, including site preparation and levelling, construction of the new building and switching yard and provision of associated external works.

Client: Energy Australia

Project value: \$1.6m

Services provided: Preliminary Order of Cost Estimate, Pre-Tender Estimate and Full Cost Planning Services

SOUTHBANK (SB) ZONE SUBSTATION, VIC

The Southbank (SB) Zone Substation is a new substation in Southbank Melbourne completed in 2010.

Client: Powercor

Project value: \$7m

Services provided: Full Cost Consultancy

SYDNEY PARK TO ULTIMO CABLE TUNNEL, NSW

Costing repairs to an existing cable tunnel between Sydney Park and Ultimo including shotcreting the walls of the tunnel and forming drains in the floor.

Client: Transgrid's lawyers - Doyles

Project value: \$3.25m

Services provided: Cost Planning and Estimating

VICTORIA MARKET (VM) ZONE SUBSTATION, VIC

Refurbishment of the Victoria Market (VM) Zone Melbourne Substation.

Client: Powercor

Project value: \$3m

Services provided: Full Cost Consultancy



ENERGY AUSTRALIA SUBSTATIONS, NSW

Currently 13 substations are in the design and construction process with further substations planned. Energy Australia has a capital program of \$8 billion to strengthen the electricity network, which includes 49 substations and associated works to be completed in 2014.

Client: Energy Australia

Project value: \$8b

Services provided: Full Cost Management

Rider Levett Bucknall is the vital link between all parties to the construction contract, providing independent and unbiased advice on all matters of cost significance throughout the life cycle of a wide variety of projects. We act for the client throughout a project to ensure maximum value for investment.

MARINE



Rider Levett Bucknall, with our leading professionals in cost consultancy offer services in the following maritime fields:

- Materials handling and logistics
- Port planning and feasibility studies
- Port structures, navigational aids and channel design
- Waterfront development and small craft facilities



DARWIN WATERFRONT, NT

A public private partnership project comprising a 650-metre seawall, extensive parklands, public promenade, wave pool and water recreation facilities, a \$9m multi-storey car park, a \$4.5m cruise ship terminal and a sheltered bridge link and walkway connection to the central business district.

Client: Community Infrastructure – ABN Amro and Northern Territory Government

Project value: \$110m

Services provided: Cost Consultant for ABN Amro and Independent Certifier for ABN Amro / Northern Territory Government

ABBOT POINT MULTI-CARGO FACILITY, QLD

Situated 25 kilometres north of Bowen, the Port of Abbot Point is Australia's most northerly coal port. The coal terminal comprises a rail in-loading facility, coal handling and stockpile areas, a single trestle jetty and conveyor connected to a berth and shiploader located 2.75 kilometres offshore. This project is an expansion of the existing terminal and the creation of a multi-cargo facility constructed on 265 hectares of land connected to the shore by a causeway.

Client: North Queensland Bulk Ports

Project value: \$2b

Services provided: Concept Estimating

AMERICA'S CUP INFRASTRUCTURE, AUCKLAND

Redevelopment of Auckland's viaduct harbour infrastructure to accommodate numerous cup syndicates who participated in the America's Cup 2000 event in Auckland. Works comprised reclamation and declamation of the inner harbour waterways including dredging works, wave breaks, wharf demolition and reconstruction including new piling, fendering, wharf decks, kerbing and the like.

Client: America's Cup 2000

Project value: \$18m

Service provided: Full Quantity Surveying and Cost Management Services

BEACH HAVEN FERRY TERMINAL, AUCKLAND

The proposed Beach Haven Ferry Terminal consists of a new gangway and floating pontoon and ramp adjacent to the existing wharf.

Client: Auckland Transport

Project value: \$1m

Services provided: Estimating Services

CARRINGTON TUG BERTH, NSW

The existing Carrington tug berth comprised of heritage-listed buildings with many outdated operating facilities. The scheme allowed for the redevelopment of the site to upgrade and provide the facilities while incorporating the many heritage aspects of the site.

Client: Suters Architects and Newcastle Port Corporation

Project value: \$8m

Services provided: Full Estimating and Cost Planning Advice

CITYPORT CARRINGTON NORTH, QLD

This project comprised the redevelopment of the foreshore of Trinity Inlet from the Hilton Hotel to the new Cairns Yacht Club and entailed marina works, berthing facilities, landscaping and the precinct carpark, as well as the Reef Fleet Terminal Building. The project commenced in 2003 and was completed in 2005.

Client: FNQ Ports Corporation

Project value: \$30m

Services provided: Cost Planning

COPPER COVE MARINA, SA

The project involved the construction of a breakwater and a commercial wharf, together with canals, revetment walls, infrastructure services and roads on the Spencer Gulf, including approximately 250 residential blocks.

Client: Crystalmede Development and ANZ Bank

Project value: \$16m

Services provided: Finance Certification



CITYPORT SOUTH, QLD

This project comprises the redevelopment of the foreshore of Trinity Inlet south of the Hilton Hotel and includes the Cairns Cruise Liner Terminal. The project commenced in 2005 and is targeted for completion in 2012.

Client: Ports North

Project value: \$50m

Services provided: Cost Planning



The Kumutoto Public Space project recently won the George Malcolm Supreme Award for Landscape Design - Urban Design at the New Zealand Institute of Landscape Architecture Awards. Such an excellent result is never the work of a single individual or organisation. This project was very much a collaborative exercise and the finished development is one of which all involved can be extremely proud. Rider Levett Bucknall's contribution to this outcome was considerable and, as usual, the RLB team acted with integrity and professionalism throughout the entire project.

Andrew Howie (Wellington Waterfront)

KUMUTOTO PUBLIC SPACE AND WHARF REHABILITATION, WELLINGTON

The work includes promenade and wharf structural rehabilitation and extension, sea wall repairs, new link bridges, new service roads, and the formation of new public spaces in and around the existing bars and café buildings. At the centre of the development is a new 30-metre long footbridge.

Client: Wellington Waterfront Ltd.

Project value: \$10m

Services provided: Full Cost Consultancy

DP WORLD – MAJOR PORTS, NSW & VIC

Rider Levett Bucknall was engaged by Dubai Ports to undertake an assessment of their facilities in Sydney and Melbourne and prepare a replacement cost estimate for the existing infrastructure including rail, road, water, sewage and power as well as marine footage, amenity building and cargo handling structures.

Client: DP World

Project value:

Services provided: Cost Consultancy

HOBSONVILLE FERRY TERMINAL, AUCKLAND

The Hobsonville Ferry Terminal is the term used to describe the proposed development and construction of a wharf and boarding facilities to accommodate the intended passenger ferry service. This project is part of the program to develop and extend the existing western passenger ferry network and serve as a direct link from the Hobsonville Point development to the Auckland CBD and beyond.

Client: Auckland Transport and Hobsonville Land Company

Project Value: Confidential

Services provided: Full Quantity Surveying and Cost Management Services

HONEYSUCKLE WHARF, NSW

The works comprised of the investigation, analysis, removal and replacement of sections of the existing wharves on the new Honeysuckle development in Newcastle, which included a review of both barge and shore based techniques for the client Honeysuckle Development Corporation.

Client: Northrop Engineers and Honeysuckle Development Corporation

Project value: \$8m

Services provided: Estimating, Cost Planning and Value Management Advice

LAGUNA QUAYS - WHITSUNDAYS, QLD

The work includes the construction of two 18-hole golf courses, with an 825-lot residential subdivision, surrounding a 750-berth marina. Included within this scope are all the associated road works, drainage, service reticulation and landscaping within an ecologically important area.

Client: Titanium Laguna Quays Pty Ltd

Project value: \$217m

Services provided: Cost Planning and Program Delivery Plan

LNG DEVELOPMENT, QLD

As part of Arrow Energy's development at an LNG Production Facility on Curtis Island in the Port of Gladstone, GHD was engaged to investigate possible marine launch sites.

Client: Arrow Energy

Project value: \$6.2b

Services provided: Concept Estimating

MARTHA COVE MARINA DEVELOPMENT, VIC

A five-stage subdivision complete with 879 boat berths, 1,000 housing lots, three kilometres of sea water canals and three large inland harbours, infrastructure and support facilities, walkways and landscaping.

Client: City Pacific / Marina Cove Pty Ltd

Project value: \$267m

Services provided: Cost Planning and Post-Contract Services plus Sinking Fund and Tax Depreciation

PORTSIDE WHARF BRISBANE, QLD

A 263-metre long Portside Wharf is part of the cruise ship terminal development completed in 2007, with services for up to 2,800 passengers. The development includes 7,500 square metres of retail space and cinemas around a public plaza and 600 residential apartments.

Client: Multiplex

Project value: \$750m

Services provided: Full Cost Consultancy

QUAY WEST REDEVELOPMENT, NSW

Cost planning of the Quay West Precinct foreshore redevelopment including First Fleet Park refurbishment, Overseas Passenger Terminal reconfiguration and Campbell's Cove upgrade.

Client: NSW Department of Public Works with Lawrence Nield & Partners

Project value: Confidential

Services provided: Cost Consultancy

QUEENS WHARF FERRY TERMINAL, NSW

The new ferry access terminal comprises wharf and pedestrian walkways as well as ticketing facilities. The development was designed to provide an accessible ferry service between Stockton and Newcastle on a 25-metre pontoon.

Client: Newcastle Port Corporation

Project value: \$1.3m

Services provided: Preliminary Estimate

SYDNEY OVERSEAS PASSENGER TERMINAL, NSW

Cost planning advice with specific reference to the redevelopment, including a function centre, hotel and improvements to the waterfront, dock, port, cargo, customs, quarantine, administration, retail, aero bridges, baggage handling, staging and phasing considerations, strengthening of the building and compliance requirements. Actual works undertaken include alteration work to the existing building, including basement carpark options and sea wall alterations together with cost advice on tenancy alterations including Bilson's, Doyles and further function centre options.

Client: NSW Department of Public Works

Project value: Confidential

Services provided: Cost Consultancy

TOWNSVILLE PORT INNER HARBOUR EXPANSION PROJECT, QLD

The construction of a secure inner harbour creating berths with increased flexibility. The upgrade will provide capacity for growth in mineral concentrate exports, as well as a multi-use cruise, military and commercial vessel facility with a new cruise ship terminal.

Client: Port of Townsville

Project value: \$110m

Services provided: Concept Estimates, Schedules of Quantities, Constructability Reviews / Construction Programming, Risk Analysis Options, Analysis and Construction Phase Cost Management

WYNDHAM HARBOUR, VIC

A six-stage residential and commercial development with a 750-berth marina including 345 residential lots, 13,700 square metres of apartment buildings, 764 square metres of retail areas, a 750 square metres club building, 800 square metres recreation building, 5,555 square metres stacked dry boat store, 280 square metres departure lounge and parking for 528 cars.

Client: Prudentia Investments

Project value: \$235m

Services provided: Master Planning and Cost Planning



PORT OF AIRLIE MARINA, QLD

Situated in Boathaven Bay at Airlie Beach, the Port of Airlie Marina was completed in August 2009 and comprises a 240-berth marina, three public boat ramps, subdivision for 15 residential properties and a public transport interchange. Infrastructure works also comprise land reclamation, roads and footpaths, stormwater, sewer and water mains.

Client: Meridien Airlie Beach

Project value: \$65.5m

Services provided: Cost Planning and Financier Reports



TOWNSVILLE BREAKWATER, QLD

The project comprises approximately 295,000 square metres of canal type land formation for approximately 200 housing lots, a cruise port terminal, 500 apartments and 570 marina berths. The infrastructure works comprise a 2,000-metre sea wall, 5,000 metres of revetment walls, 2,300,000 square metres of fill material, a 200-metre cruise port wharf and associated roads and services.

Client: IMDM

Project value: \$200m

Services provided: Estimating, Cost Planning and Cost Management Services

TOWNSVILLE MARINE PRECINCT, QLD

The Port of Townsville is a general-purpose cargo port and is one of Queensland's fastest growing ports. Rider Levett Bucknall was commissioned to provide concept and detailed estimating and independent audit services during construction of the new marine facility which will provide a reclaimed area, navigational harbour basin, quay walls, berths, fishermen's jetty and common facilities.

Client: Port of Townsville

Project value: \$150m

Services provided: Concept Estimating



WELLINGTON OVERSEAS PASSENGER TERMINAL, THE CLYDE QUAY WHARF REDEVELOPMENT

The project involves demolition and major strengthening of the existing wharf and the construction of the showpiece Clyde Quay Wharf apartments.

The exclusive address will combine 76 luxury apartments. Most of the apartments have a unique east-west outlook with views over the water.

The area under the apartment complex will include restaurants and retail to encourage public use and enjoyment. A new parking building is also being constructed below the existing wharf level.

The development of the old wharf, was considered unviable by Wellington City Council due to the costs associated, however the works proceeded after Willis Bond acquired a 125-year leasehold title on land under the wharf.

The project will be completed by early 2014.

Client: Willis Bond & Co

Project value: \$100m-\$150m

Services provided: Cost Consultancy

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The core values of excellence, teamwork and leadership constitute the DNA of Rider Levett Bucknall infrastructure personnel, helping them achieve that extra dimension of performance that makes Rider Levett Bucknall and its employees stand out by being outstanding.

Rider Levett Bucknall personnel have been professional in their dealings and active in asking detailed questions regarding the design and construct works in order to undertake their services.

AVIATION

Rider Levett Bucknall supports clients in the aviation industry with experience in

- Air express hubs
- Airport master plans
- Aprons
- Cargo and baggage handling facilities
- Control towers
- Fuel storage
- Hangars
- Infrastructure for automated ticketing
- Runways
- Taxiways
- Terminals
- Training facilities



ADELAIDE AIRPORT NEW TERMINAL, SA

Replacing existing facilities, the new multi-user terminal at Adelaide Airport for international, domestic and regional passengers has won numerous awards, including the Australian Capital City Airport of the Year Award.

Client: Adelaide Airport Limited

Project value: \$240m

Services provided: Full Cost Management Services

ADELAIDE AIRPORT INTERNATIONAL TERMINAL APRON EXPANSION, SA

This significant project included extension of the existing International Terminal apron to cater for an additional two Code E aircraft and a concrete apron to the parking area with a bitumen taxiway with apron, taxiway lighting, stormwater disposal and underground fuel reticulation.

Client: Adelaide Airport Limited

Project value: \$3.5m

Services provided: Cost Planning and Contract Administration

AIR 800 PHASE 3 C-17 HEAVY LIFT AIRCRAFT FACILITIES, VARIOUS STATES

This project comprised the construction of terminal, hard sand, runway and fueling works to service the C17 aircraft at Amberley, Edinburgh, Pearce, Darwin and Townsville RAAF Bases.

Client: Department of Defence

Project value: \$270m

Services provided: Cost Certainty Estimates and Cost Reviews

AIR NEW ZEALAND AUTOMATED PASSENGER CHECK-IN FACILITY (DOMESTIC) "PROJECT KINGFISH"

With the intent of streamlining the domestic check-in process, all terminals have been provided with self-service check-in counters and self-scanning gate scanners. The key terminals being Auckland, Wellington and Christchurch were also upgraded to provide self-service baggage ticketing and processing of all hold stow baggage.

The world-first concept was successfully completed within tight deadlines on all 26 airports which Air New Zealand serves.

Client: Air New Zealand

Project value: Confidential

Services provided: Full Quantity Surveying and Cost Management Services

AIR NEW ZEALAND AUTOMATED PASSENGER CHECK-IN FACILITY FOR TRANS-TASMAN ROUTE "PROJECT KUPE"

Code named "Kupe", this pioneering project comprises an automated passenger check-in and gate scanning for travellers travelling on Air New Zealand's trans-tasman routes. Similar to the Air New Zealand "Project Kingfish" which comprised similar facilities for travellers on the domestic network.

Client: Air New Zealand

Project value: Not available

Services provided: Full Quantity Surveying and Cost Management Services

AIR NEW ZEALAND FLIGHT SIMULATOR BUILDINGS

This project consisted of the development of three new flight simulator buildings for Air New Zealand training, including all technical and administrative support areas.

Client: Air New Zealand

Project value: Confidential

Services provided: Full Cost Consultancy

AIR NEW ZEALAND HARDSTAND FOR FUTURE HANGARS

The completed program will provide two wide body hangar positions suitable for the light and heavy maintenance of a range of wide body aircraft in both tail in and nose in positions.

Client: Air New Zealand

Project value: Confidential

Services provided: General Estimating, Independent Advisory and Probity Review

AIRSERVICES AUSTRALIA NTP LIFE EXTENSION PROJECT

Airservices Australia identified 17 control towers throughout Australia, which require life extension upgrading or replacement. The works include updating technology and revitalising infrastructure to improve functionality and give the towers a further 20 years life period. Rider Levett Bucknall has been commissioned to prepare *RE*liff budgets for the control towers at each of the three design stages.

Client: Airservices Australia

Project value: Confidential

Services provided: Independent Cost Planning and Estimating

BRISBANE INTERNATIONAL AIRPORT, QLD

Over four levels, the 68,000 square metres terminal is constructed of steel framed columns and beams with concrete floors and a prefabricated façade system. The overall construction also comprised 130,000 square metres of aprons, 10,000 square metres of elevated road, seven aerobridges and three standoff aircraft positions.

Client: Brisbane Airport Corporation Ltd

Project value: \$210m

Services provided: Full Cost Consultancy, excluding Bills of Quantities

BRISBANE INTERNATIONAL AIRPORT TERMINAL EXPANSION, QLD

The airport expansion extends the existing four-level terminal building by 60 metres to the south (approximately 60%), extending the Northern Concourse and incorporating a new major plant room north of the terminal, major renovations of the existing terminal fitout, two new fixed links for aircraft docking and extensive external alterations for carparking.

Client: Bovis Lend Lease

Project value: \$282m

Services provided: Cost Planning, Value Management Facilitation and Bills of Quantities

CAIRNS INTERNATIONAL AIRPORT TERMINAL, QLD

The upgrade featured the addition of a new building for baggage screening and handling, widening of the existing concourse, extension of the concourse for additional gates, refurbishment of the existing baggage reclaim hall, new central services building and a new remote loading dock facility.

Client: Cairns Port Authority

Project value: \$60m

Services provided: Cost Planning, Bills of Quantities and Construction Administration

CANBERRA INTERNATIONAL AIRPORT, ACT

The upgrades featured civil works to the airport for short and long stay carparks and access roads, site clearance and bulk earthworks. Hydraulic services included water supply, fire mains, stormwater and sewer drainage and electrical services to the site.

Client: Canberra International Airport

Project value: \$6.1m

Services provided: Quantities for Tenders



MELBOURNE AND LAUNCESTON AIRPORT, VIC + TAS

Rider Levett Bucknall has provided Melbourne and Launceston Airports with valuation replacement cost assessment reports on a three-year cycle since 1997. We have completed these estimates for the construction of buildings, pavements, roads, car parks and infrastructure as part of valuation provided by Jones Lang LaSalle to Melbourne Airport.

Client: Jones Lang LaSalle

Project value: \$1.6b

Services provided: Estimating



NELSON TECHNICAL HANGAR, NEW ZEALAND

The new hangar is an 80 x 60-metre freespan structural steel building with a clear height of 9.5 metres and an overall height of 15 metres to the apex. It is enclosed on three sides with a large 68-metre wide door opening at the front. The project also included refurbishment of the existing hangar.

Client: Aurecon and Mainzeal Property and Construction

Project value: \$12m

Services provided: Full Cost Consultancy

PALMERSTON NORTH INTERNATIONAL AIRPORT TERMINAL, NEW ZEALAND

The two-level terminal building is to be constructed in two stages to facilitate an update of both domestic and international terminals.

Client: Palmerston North Airport Ltd

Project value: Stage 1 (1991) \$3.5m, Stage 2 (2009) \$4.5m

Services provided: Cost Consultancy, Initial Budget Estimate and Post Contract

QANTAS HEAVY MAINTENANCE HANGAR, QLD

Located at Brisbane airport, the 28,800-square metre building includes mezzanine stores, workshops and working platforms. The facility also includes hangar cranes and monorails, apron slabs and services.

Client: QANTAS Airways Ltd

Project value: \$80m

Services provided: Cost Planning, Analysis of Design and Construct Tenders, Construction Phase Services and Tax Depreciation Report

RAAF AMBERLEY REDEVELOPMENT STAGE 2, QLD

The redevelopment consisted of a base infrastructure upgrade for the new operational facilities at the Amberley Base, including roads, aprons, sewerage, stormwater treatment, electrical works and communications.

Client: Department of Defence

Project value: \$85m

Services provided: Cost Planning, Estimating and Life Cycle Costing Analysis

RAAF BASE REDEVELOPMENT, QLD

Combined mess, physical fitness, base entry, air terminal, central emergency power station, transit accommodation, base training and associated civil and infrastructure works for the Townsville Base.

Client: Department of Defence

Project value: \$72m

Services provided: Cost Consultancy providing Cost Planning and Trade Bills of Quantities

SYDNEY EMERGENCY MEDICAL HELICOPTER BASE, NSW

The generic cost model included aircraft hangars, a training facility and rescue pool, accommodation, administration, external pavements, fuel storage tanks and infrastructure. Site specific costs were considered for the various locations.

Client: NSW Health Authority

Project value: \$15m

Services provided: Cost Consultancy



WELLINGTON INTERNATIONAL AIRPORT PASSENGER TERMINAL

The enlarged international terminal copes with increased traffic in a highly technical building.

Client: Wellington International Airport Ltd

Project value: \$45m

Services provided: Full Cost Consultancy Services



WELLINGTON AIRPORT MAIN TERMINAL BUILDING

The Wellington Airport main terminal building consists of a new main terminal building including connecting piers to aerobridges and links to existing buildings including the existing international lounge, new airline lounges, new conference areas, an elevated road and canopy.

Client: Wellington International Airport Ltd

Project value: \$90m

Services provided: Full Cost Consultancy Services

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Rider Levett Bucknall's approach is very deliberate in working towards fully resolved services that provide guidance and certainty to clients, as well as ensuring a focus on the pursuit of excellence in infrastructure planning, through progressive development of in-house expertise.

LAND DEVELOPMENT

Rider Levett Bucknall delivers specialist cost, contractual and procurement advice in the management of urban land development and subdivision projects. These developments are generally large scale and high value. They require a network of infrastructure services in order to support planned growth.

Land development and in particular subdivision poses many challenges. On a large master plan these projects are often at the forefront of future development opportunity. They represent the gateway to unlocking new growth as communities expand to meet the needs of an ever-increasing population.

Rider Levett Bucknall delivers specialist cost management services, including cost advice and feasibility studies to agreement of final development costs, and contractual and procurement advice in the management of these projects.

BLAKEVIEW SUBDIVISION, SA

Blakeview subdivision, located in the northern suburbs of Adelaide is an attractive and vibrant residential community embracing the ideals of housing choice, affordability, innovation and sustainability. The project follows the successful completion of Mawson Lakes Development also by Delfin Lend Lease.

Client: Delfin Lend Lease

Project value: Confidential

Services provided: Review and Negotiation of all Land Development Stages with Civil Contractor

BOGGO ROAD URBAN VILLAGE, QLD

A redevelopment of the Boggo Road Gaol Precinct, key features of which include new parks, green space around the No. 2 Division Gaol and an urban boulevard behind the Gaol incorporating a landscaped forecourt and streets.

Client: Project Services (Department of Public Works)
Queensland Government

Project value: \$45m

Services provided: Master Planning, Cost Planning and Budgetary Report and Control

BOWEN FORESHORE REDEVELOPMENT, QLD

The Bowen Foreshore Development includes land reclamation, construction of a promenade and performance stage, defence memorial and museum and adventure playground. A swimming pool, cafés, coastal boardwalk and cycleway, floating pontoon and jetty upgrade also feature as part of the development.

Client: Tract Consultants (QLD) Pty Ltd

Project value: \$12m

Services provided: Cost Management Services to Tender

CLARE STREET SUBDIVISION, NSW

A residential subdivision development comprising of multiple lots, internal roads and main services in Cessnock.

Client: Buildev

Project value: \$3.3m

Services provided: Financial Institute Audit, Monthly Progress and Variation Claims.

EASTWOOD BRICKWORKS REDEVELOPMENT, NSW

The initial stabilisation and filling of a soon to be abandoned brick quarry for the construction of a housing and unit estate.

Client: Baulderstone/Clarendon Joint Venture

Project value: \$15.6m

Services provided: Cost Estimates

EENIE CREEK ROAD, NOOSAVILLE SUBDIVISION, QLD

The work includes the demolition and removal of existing structures, excavation and disposal of identified contaminated soils, construction of roads, parklands and playground facilities. The roadwork includes associated drainage, footpath, lighting, landscaping, water, sewerage and electrical reticulation and communication conduits.

Client: Seymour Group

Project value: \$8m

Services provided: Cost Planning

GLEN VIEW ESTATE, NSW

The demolition and subdivision for a residential estate in Glendale, NSW.

Client: Glendale Property Developments

Project value: \$1.1m

Services provided: Financial Institute Audit

KAMBERRA WINE TOURISM COMPLEX, ACT

Civil works to the 80,000-square metre wine tourism complex in Lyneham include site clearance and bulk earthworks for buildings, roads, carparks and landscaped areas and associated hydraulic services.

Client: BRL Hardy

Project value: \$1.8m

Services provided: Quantities for Tenderers

KELVIN GROVE URBAN VILLAGE, QLD

Infrastructure to support the new education and housing village on previously used Army land, incorporating remediation, major earthworks, civil works, roadworks, transport and landscape, including all underground services.

Client: Project Services (Queensland Government)

Project value: \$38m

Services provided: Estimating, Cost Planning and Audit Cost Consultancy
Services during the construction phase

KIRKWOOD ROAD GLADSTONE SUBDIVISION, QLD

The work includes the excavation and disposal of identified contaminated soils, clearing and grubbing of the construction area, construction of roads, allotments, active parklands, playground facilities, landscaping and fencing and the relocation of 66kV power lines.

Roadwork includes the laying of the asphalt surface and pavement with associated overland and underground drainage, footpath, lighting, landscaping, water, sewerage and electrical reticulation and communication.

Client: Honeycombes Property Group

Project value: \$30m

Services provided: Cost Planning

KITHBROOKE PARK COUNTRY CLUB, VIC

The subdivision of the Kithbrooke Park Country Club in Torquay comprised a retirement village, aged care and communal facilities, including 231 villas and 12 acres of open space.

Client: Kithbrooke Park Developments

Project value: \$70m

Services provided: Detailed Cost Estimates, Cost to Complete and Monthly Claims

LONG BAY NORTH SHORE, AUCKLAND

The preliminary works are to provide essential stormwater infrastructure for the proposed new development and the existing Long Bay region, including landscaping with native species on completion of the works.

Client: Todd Property Group Limited

Project value: \$360m

Services provided: Full Cost Consultancy

M7 BUSINESS HUB - EAST PRECINCT, NSW

Approximately 350,000 square metres the Eastern Creek subdivision comprises bulk excavation, trimming and levelling of block areas, access roads, paths, retaining walls and site infrastructure including stormwater and bio-retention basins.

Client: Macquarie Goodman Property Services Pty Ltd

Project value: \$5m

Services provided: Cost Planning, Tender Review, Progress Valuation and Final Account.

MAWSON LAKES SUBDIVISION, SA

Over the past six years Rider Levett Bucknall has been extensively involved in cost planning over 200 subdivision and streetscape projects at Mawson Lakes, a fully-planned 600-hectare community with an energetic mix of education, recreation, retail, residential and commercial facilities. Mawson Lakes boasts 189 hectares of lakes and waterways and a 26 kilometre bike track linking all residential villages and recreational, education and commercial facilities. Environmental initiatives include water recycling systems, mandatory solar hot water and dry creek wetlands.

Client: Property Developer

Project value: Confidential

Services provided: Cost Planning Services on numerous 'open space' packages throughout the development

OSBORNE INDUSTRIAL SUBDIVISION, SA

The Osborne Industrial Subdivision is an extension of the successful Techport Industrial land development project, which Rider Levett Bucknall also provided, services on. Rider Levett Bucknall cost planned both Stage 1 and Stage 2 including detailed review of tender / tender analysis. Our services extended to also provide cost management services on later separate landscaping and signage packages for the precinct.

Client: Land Management Corporation | Techport Australia

Project value: \$9m

Services provided: Full Cost Planning Services with the exception of Contract Administration

PEGASUS TOWN, CHRISTCHURCH

The subdivision of the land will create new housing, a retail shopping area, a business park, school and recreational areas complete with a new recreational lake. The construction involved major earth and civil work.

Client: Pegasus Town Limited

Project value: \$200m

Services provided: Full Cost Consultancy

PIDGEON CLOSE, QLD

The West End Brisbane work includes the excavation, stockpiling, sampling and testing, haulage and disposal of contaminated soil and backfilling with imported granular fill.

Client: Cornerstone Properties Pty Ltd

Project value: \$3.9m

Services provided: Budget Estimate

ROYAL BOTANIC GARDENS STAGE 2, VIC

Second and final stage of the Australian Garden Project at the Royal Botanic Gardens Cranbourne. Designers aim to provide a journey throughout the central and coastal landscapes of Australia. The project features waterways, display gardens, amphitheatre, riverwalks, etc. complemented by local fauna and flora.

Client: Royal Botanic Gardens

Project value: \$17.5m

Services provided: Full Cost Consultancy

STONEFIELDS INFRASTRUCTURE WORKS, AUCKLAND

Stonefields Mt Wellington, Auckland is a master planned community encompassing 110 hectares, and providing 2,900 dwellings that will be home for 6,500 people. Situated only eight kilometres from Auckland's central business district, Stonefields supports the need to create desirable urban living space for Auckland's ever-increasing population.

Client: Todd Property Group Limited

Project value: \$210m

Services provided: Full Cost Consultancy

TECHPORT INDUSTRIAL PRECINCT, SA

Only 22 kilometres north west of Adelaide CBD the Techport Industrial subdivision provides industrial and commercial allotments in naval industry hub now a world-class maritime industrial precinct. The facility will support ASC to deliver the Royal Australian Navy's next generation \$8 billion air warfare destroyers and will attract future naval shipbuilding and repair opportunities to the State. The greater precinct has world-class common user shipbuilding facilities including a wharf, runway, dry berth, transfer system and the largest shiplift in the southern hemisphere; expansive, fully integrated industrial precinct for suppliers, commercial and education precinct that includes The Maritime Skills Centre, AWD Systems Centre, Raytheon Australia's South Australian headquarters; and high-speed optical fibre network link to major research, defence and education sites across Adelaide.

Client: Land Management Corporation | Techport Australia

Project value: \$10m

Services provided: Full Cost Planning Services with the exception of Contract Administration

Rider Levett Bucknall continues to sharpen its research strengths, confirming the impact of its analysis and research activities reflects its vision and reverberates in the industry and communities it serves.

Rider Levett Bucknall's sector experts have access to networks, information and the latest global resources, allowing them to work together with industry partners to maintain a specific focus on long-term productivity and sustainability for the general good.

PROCESS ENGINEERING

Process engineering focuses on the design, operation, control, and optimisation of chemical, physical, and biological processes through the aid of systematic computer-based methods. Process engineering encompasses a vast range of industries, such as petrochemical, mineral processing, advanced material, food, pharmaceutical, and biotechnological industries that rely on efficient means of storage and material handling.

ABBOT POINT MULTI-CARGO FACILITY, QLD

Situated 25 kilometres north of Bowen, the Port of Abbot Point is Australia's most northerly coal port. The coal terminal comprises a rail in-loading facility, coal handling and stockpile areas, a single trestle jetty and conveyor connected to a berth and ship loader located 2.75 kilometres offshore. This project is an expansion of the existing terminal and the creation of a multi-cargo facility constructed on 265 hectares of land connected to the shore by a causeway.

Client: North Queensland Bulk Ports

Project value: \$2b

Services provided: Concept Estimating



BARWON WATER BIOSOLIDS MANAGEMENT FACILITY, VIC

The Barwon Water Biosolids Management Project will provide an environmentally sustainable, long-term management scheme for the beneficial utilisation of biosolids produced at the Black Rock and other regional water reclamation plants.

Client: Barwon Region Water Corporation / Plenary Environment (Barwon)

Project value: \$76m

Services provided: Technical Due Diligence, Independent Reviewer and Independent Certifier

MARSDEN POINT OIL REFINERY, WHANGAREI NEW ZEALAND

Marsden Point Oil Refinery is located at Marsden Point, Whangarei, Northland, New Zealand. It is the only oil refinery in New Zealand, and is operated by the New Zealand Refining Company. In July 1985, the running Refinery was shut down for almost five months to make the tie-ins to the expansion and for various revamp modifications to the old plant. This was a crucial time due to the need to import all New Zealand's fuels. Round the clock shifts were worked and the Refinery was again started up, on time, on November 22nd.

Client: New Zealand Refining Company Ltd

Project value: Not available

Services provided: Rider Levett Bucknall were commissioned by the New Zealand Refining Company Ltd for an engagement which extended over a period of three years to provide independent cost engineering services

MT MARTHA WATER RECYCLING PLANT UPGRADE, VIC

The upgrade is in TOC budgeting phase (October 2011) with construction commencing in early 2012. A new filtration plant will improve outfall discharge to Grade A standard (capacity of 20ML/day).

Client: South East Water Recycling Alliance (SEWRA)

Project value: \$80m (multiple facilities)

Services provided: Estimating Services

PAKENHAM WATER RECYCLING PLANT EXTENSION TO EXISTING FACILITY, VIC

A four-megalitre per day recycled water treatment plant with new ultra filtration.

Client: South East Water Recycling Alliance (SEWRA)

Project value: \$80m (multiple facilities)

Services provided: Estimating Services

SOMERS SEWERAGE TREATMENT PLANT UPGRADE, VIC

Rider Levett Bucknall provided estimating services for the 7.5 megalitre per day bioreactor treatment plant upgrade.

Client: South East Water Recycling Alliance (SEWRA)

Project value: \$80m (multiple facilities)

Services provided: Estimating Services

SOMERS WATER RECYCLING PLANT UPGRADE, VIC

The project entails ultra filtration and a reverse osmosis plant for the 4.5 megalitre per day Somers Water Recycling Plant.

Client: South East Water Recycling Alliance (SEWRA)

Project value: \$80m (multiple facilities)

Services provided: Estimating Services

TROOPS CREEK NEW WATER RECYCLING PLANT, VIC

A mini recycled water treatment package completed in March 2011.

Client: South East Water Recycling Alliance (SEWRA)

Project value: \$80m (multiple facilities)

Services provided: Estimating Services

WAITARA METHANOL PLANT (1978 - 1983), NEW PLYMOUTH NEW ZEALAND

Waitara is a chemical grade methanol plant located at Waitara Valley just outside New Plymouth, operated by Petralgas New Zealand - a Canadian company. The Waitara Plant was dedicated to production of methanol from natural gas (about 1500 tonnes per day). In October 2008 the Waitara Plant was shut down.

Client: Petroleum Corporation of New Zealand and Alberta Gas Company Canada (JV called Petralgas)

Project value: \$350m

Service provided: Full Quantity Surveying Services that included onsite Project Quantity Surveyor providing independent cost engineering services

**BECHTEL - PROJECT 145 COAL LOADER, NSW**

Construction of a coal loader on Newcastle's second coal wharf.

Client: Bechtel

Project value: Confidential

Services provided: General Cost Consultancy

Infrastructure is about more than balance sheets and building sites. Infrastructure is the key to how Australia and New Zealand do business, how we meet the needs of prosperous economies and growing populations and how we sustain a cohesive society.

We take very seriously our responsibility to participate in industry panels and roundtable discussions about the future of major infrastructure projects in Australia, New Zealand and abroad.

Our People

The projects in this Capability Statement are a showcase of our infrastructure work in Australia and New Zealand. They leverage the unique contributions of our people with diverse backgrounds, experiences and perspectives to provide exceptional service to an equally diverse clientele.

While coveted awards illustrate why we're proud of the efforts by Rider Levett Bucknall staff to provide clients with incomparable service, bringing actual projects to fruition, the case studies and profiles included throughout this Capability Statement, convey the story. Some will be remembered for their sheer scale, but they are also noteworthy from the perspectives of quality, collaboration, innovation, budget, design and profitability.

We're making good progress in infrastructure and we are proud of what has been accomplished. With each new project we enhance business relationships, deepen our knowledge bank of experience and refresh our worldview.

We believe we have a responsibility to help create a sustainable future and make our world a better place. Being Corporately Responsible improves business operations and performance and results in significant financial savings. These issues are high on the agenda for our people and the communities in which we work.

In the years ahead we will develop methodologies and services that deliver even more quality and value; continue to incorporate new technologies that drive efficiencies across our offices; and carry on harnessing our global knowledge bank of experience to successfully deliver complex infrastructure projects.

The leadership team

A group of dynamic individuals make up the leadership team at Rider Levett Bucknall. Their challenge and purpose is to make a fundamental impact for our firm, our clients, and the world.

Our Executive Committee consists of Rider Levett Bucknall's top leaders, a distinguished group that guides the firm at the highest level. Bringing together decades of experience, their direction puts Rider Levett Bucknall in the best position to make a lasting impact for our clients and society.

Sector experts

An experienced team of Rider Levett Bucknall infrastructure sector experts assists our clients in tackling changes in the industry and successfully delivering infrastructure projects, whether big or small.

Our sector experts represent Rider Levett Bucknall's sharpest and most experienced infrastructure minds. They are at the heart of our business strategy and success. As the foremost experts in their field, they are committed to building lasting relationships for every client around the world and delivering value to projects.

Industry Partnerships

Rider Levett Bucknall is represented by peak industry organisations that draw together senior public and private sector leaders to drive business through collaboration, education, support and advocacy. It is through these perspectives that cities can be best equipped with the facilities and services needed to secure enduring and strong economic growth and high living standards.

The firm is represented on various business and government bodies that collectively meet and work together on influencing policy developments for industry improvement. Some key bodies include Australian Chamber of Commerce and Industry (ACCI), Australian Business Limited (ABL), Australian Construction Industry Forum (ACIF), and Australian Sustainable Built Environment Council (ASBEC). The practice actively participates and influences policy developments and commercial activities through infrastructure roundtables and special interest groups. Current active roundtables include skills and resources, liability and contracts, OH&S, infrastructure, sustainability and economics / taxation.

Consult Australia

Consult Australia is the peak industry body representing consulting companies that provide professional services to the built and natural environment. These services include design, engineering, technology and management solutions for individual consumers through to major companies in the private and public sector including local, state and federal governments. Consult Australia represents over 270 companies, from large multidisciplinary corporations to small niche practices, collectively employing over 50,000 staff.

Green Building Council of Australia

The GBCA is committed to developing a sustainable property industry for Australia by encouraging the adoption of green building practices. Rider Levett Bucknall supports this mission by driving the adoption of green building practices through market-based solutions such as our award winning RLB Life services – rlb.com/life.

New Zealand Green Building Council

The NZGBC is dedicated to accelerating the development and adoption of market-based green building practices. Rider Levett Bucknall partners with the NZGBC to set standards of industry best practice, primarily through helping building owners and managers make well-informed decisions that represent their best long-term financial and sustainable interests.

Infrastructure Partnerships Australia

Infrastructure Partnerships Australia is the nation's peak infrastructure body. Its mission is to advocate the best solutions to Australia's infrastructure challenges through facilitating open dialogue and genuine, enduring partnerships between government and the private sector.

Membership draws together the nation's most senior industry leaders from across the spectrum of the infrastructure sector, including constructors, operators, designers and financiers. Importantly, a significant proportion of membership is drawn from government departments and agencies, ensuring a strong focus on delivering the best frameworks, projects and policies to meet key objectives.

IFMA Foundation

A key objective is to drive the transition of the Built Environment towards sustainability by promoting green building programs, technologies, design practices and operations as well as the integration of green building initiatives into mainstream design, construction and operation.

Property Council New Zealand

Representing New Zealand's Commercial, Industrial, Retail, Property Funds and Multi Unit Residential property owners, managers and investors, Property Council covers all forms of commercial property and property investment in New Zealand.

Long-term principal sponsors of the Property Industry Awards, Rider Levett Bucknall partners with Property Council to encourage property investment in New Zealand and help create a vibrant commercial property market. We collaborate to provide timely and impartial research information and to hold superb events.

Property Council is the only New Zealand property association actively involved with central, local and other government-associated bodies. Its strength is in its numbers to lobby. With over \$24 billion invested in the New Zealand commercial property scene, Property Council is there to be heard.

Property Council of Australia

The Property Council of Australia is the leading advocate for Australia's \$600 billion property industry. It counts the bulk of the nation's major investors, property owners and developers – as well as the industry's professional service and trade providers – amongst its members.

Over the past three decades the Property Council of Australia and Rider Levett Bucknall have been partners in excellence. Together, we continue to develop the national awards program, shape the property sectors public policy platform and advocacy priorities and sharpen our combined research strengths.

The Property Council's Awards program has been recognising excellence in the property industry since 1982. The Property Council gratefully acknowledges Rider Levett Bucknall for their support of the program over its history as the Principal Awards Sponsor.

Rider Levett Bucknall has been recognised for client commitment and loyalty, winning the Australian Business award for Service Excellence in the 2011 Awards.*

Active projects throughout infrastructure sub-sectors and coveted awards demonstrate the hard work and dedication of our infrastructure personnel.



*Now in its sixth year, the Australian Business Awards program recognises organisations that demonstrate the core values of business excellence, product excellence, corporate responsibility, sustainability and commercial success in their respective industries.