

Capability Statement

04 Dec 2019

WW SURVEYS PTY LTD



INDUSTRIES SERVED

CLEAN ENERGY

CONSTRUCTION &
ENGINEERING

OIL, GAS & ENERGY

PROFESSIONAL
SERVICES

RAIL

WATER

Company Details

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ICN Gateway Company ID: 131560

Employees: 28

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Works in Remote Locations: No

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WW Surveys has more than 35 years of experience delivering survey services on significant projects throughout Queensland and New South Wales, with a proven track record in the infrastructure, transport and mining industries.

Summary

We have the capability to deliver engineering survey services to all aspects of these industries, from pre-design topographical detail surveys through to complex work as executed surveys.

Our survey solutions have been developed while working on large infrastructure projects. We are a fully integrated service, supporting construction teams with professional survey services, maintaining required safety and quality

management systems, and client relationships.

Recent projects include multiple sections of the Pacific Highway W2B Project, Gold Coast Light Rail Stage 2, Boundary Rd, Transcity Joint Venture, Legacy Way, Ballina Bypass, Bruce Highway Upgrade, Docklands Light Railway, Canning Town to London City Airport Extension and Heathrow Airport Upgrade

Description

WW Surveys is a specialist provider of survey services led by directors Michael Wolf and Nicholas Watson. Between them, they have more than 35 years of experience providing survey services to major infrastructure and mining projects across Queensland and New South Wales.

WW Surveys has a proven established culture that exceeds client expectations by providing the highest quality services to the transport, mining and infrastructure industries.

Our survey solutions have been developed over many years of working on large infrastructure projects. By engaging WW Surveys, you will receive survey professionalism at its best, as well as a fully integrated service that supports your construction team both now and into the future. We pride ourselves on delivering professional survey services, maintaining stringent safety and quality management systems, and building robust client relationships.

Industries Served

- > Clean Energy
- > Construction & Engineering
- > Oil, Gas & Energy
- > Professional Services
- > Rail
- > Water

Major Clients

- > Acciona Infrastructure
- > AMEC
- > BMD
- > CPB Contractors (Previously Leighton Contractors)
- > Ghella
- > Laing O'Rourke
- > See Civil

Products & Services

- > Civil Infrastructure - Pre-design surveys, 3D modelling for machine guidance and more
- > Mining - Infrastructure, Processing plant, Conveyor, Stacker and Reclaimer surveys
- > Tunnelling - TBM guidance, Clearance envelope verification and more
- > Design Interrogation - Pre-design survey analysis, 3D modelling for design verification and more
- > Survey Control Networks - GPS control, Conventional traverse and Precise level networks
- > Monitoring Services - 24 hour real-time monitoring, Precise level settlement and Conventional 3D monitoring

Facilities and Equipment

- > WW surveys utilises the latest survey technologies including Trimble TX8 Scanner and Microdrone mdMAPPER1000 DG drone ensuring we stay at the forefront of this dynamically evolving industry.

Previous Significant Projects

2019

**W2B Portion C section 789
\$500,000,000**

Client: CPB Contractors

WW Surveys supplied the survey services for this 34 km section of the pacific highway upgrade project.

Our involvement included supplying the day to day survey required to construct the main civil works for the Devils Pulpit to Richmond River section of the Woolgoolga and Ballina Pacific Highway upgrade in northern New South Wales.

2017

**Boundary Road Interchange Upgrade project
\$60,000,000**

Client: BMD Constructions

WW Surveys successfully supplied the survey resources for the construction phase of the Boundary Road Interchange Upgrade project, including the new six-lane bridge, new highway ramps, constructed two new shared user bridges, and resurfacing works on the existing Bruce Highway.

2017

**Gold Coast Light Rail stage 2
\$250,000,000**

Client: CPB Contractors

WW Surveys supplied the survey services for the design and construction phase of Stage 2 of the Gold Coast light rail.

Involved in every element of the 7.3 km dual-track light rail extension, including 3 new stations at Parkwood East, Parkwood, and Helensvale. WW Surveys worked extensively with all levels of the construction and design team to ensure all aspects of the project were successfully delivered.

2018

**Inner City Bypass (ICB) upgrade,
\$80,000,000**

Client: BMD Constructions

WW Surveys supplied the survey services for the design and construction phase of the Inner City Bypass (ICB) upgrade project, these works included the widening of the road network from three to four lanes, construction of a new westbound ramp and new bus priority measures.

2018

**Port of Brisbane Cement Silos
\$20,000,000**

Client: BMD Constructions

WW Surveys supplied the survey services for the design and construction phases for the Port of Brisbane Cement Plant civil works, which included the earthworks and installation of silo's substructure and associated ground treatments, along with the suspended concrete decks for the mechanical equipment and silo decks,

2017

**Dinmore and Graceville station accessibility
upgrade projects
\$35,000,000**

Client: BMD Constructions

WW Surveys supplied the survey services for the construction phase of the Dinmore and Graceville station upgrade projects, throughout these projects WW Surveys worked closely with the design and construction teams to ensure the seamless delivery of these two essential station upgrades for Queensland Rail.

2012

Broadmeadow Sustaining Operations
\$200,000,000

Client: BHP Billiton Mitsubishi Alliance and Bechtel

WW Surveys provided survey management for the conversion of the Broadmeadow open-cut coal mine to an underground mine.

Due to the schedule of rates contract between Leighton and BMA, WW Surveys was required to carry out extensive volumetric calculations for the 8 million cubic metres of earthworks. These volumes were calculated using data supplied from conventional survey methods, as well as land and aerial terrestrial scanning.

2011

Eastern Busway Stage Two: Buranda to Main Avenue
\$300,000,000

Client: Leighton Contractors

WW Surveys provided survey services for the 1 km section of separated busway between Buranda and Main Avenue in Coorparoo.

This project included two sections of cut-and-cover tunnel as well as an elevated structure to cross Norman Creek and house one of three bus stations. The bus stations are composed of steel awnings, an elevator on each platform and a steel elevated walkway connecting the platforms.

2015

Transcity JV
\$2,000,000,000

Client: Acciona Infrastructure, BMD and Ghella

WW Surveys supplied the survey management and part of the survey services to successfully support the design and construction of this landmark project.

Our support for Legacy Way included the construction of two 4.3-km tunnels, each with two lanes, along with the excavation and fit-out of 34 cross passages, 10 substations, one low point sump, multiple bridges, connection motorway realignments and numerous auxiliary structures/buildings.

2011

Ballina Bypass Alliance
\$600,000,000

Client: Leighton Contractors

WW Surveys provided survey management on this greenfield project.

This project saw the construction of a 12-km dual carriageway on the Pacific Highway, extending from the intersection of the Bruxner and Pacific Highways to just north of Ross Lane at Tintenbar. Construction involved 19 bridges, the use of 100,000 cubic metres of concrete and processing of more than 1 million tonnes of rock for reuse.

2009

Northern Access Road (NARP)
\$200,000,000

Client: Leighton Contractors

WW Surveys provided survey management and structural survey services for this greenfield project.

The project included the construction of 6 km of multi-lane motorway with four bridges and an interchange at Lomandra Drive, which was predominately built on a soft soil environment.

Along with supplying survey services, WW Surveys was also successfully involved in the design interface of the project.

2008

Docklands Light Railway: London City Airport to Woolwich Arsenal Extension
\$1,000,000,000

Client: AMEC

WW Surveys formed part of the surveys services for construction of the 2.5-km twin-bored rail tunnels under the River Thames, from London City Airport to Woolwich Arsenal.

WW Surveys was involved in the following aspects of the project:

- * Construction of launching and reception chambers for TBMs
- * Laying the track slab in the tunnels
- * Surface settlement monitoring

Due to the soft clay geology, an extensive surface-monitoring network was installed and measured at regular intervals.

2006

Heathrow Airport Upgrade: Runway and Taxiway
\$400,000,000

Client: AMEC

To accommodate the addition of the A380 aircraft, WW Surveys formed part of the survey services team for the upgrade of the Heathrow Airport runway and taxiways.

To minimise disruption to one of the world's busiest airports, most of our work was carried out on night shift.

We provided survey support for:

- * Resurfacing the runways
- * Widening and strengthening the shoulders
- * Constructing new taxiways
- * Constructing aircraft stands

2006

Blackwater CHPP
\$400,000,000

Client: Barclay Mowlem (now Laing O'Rourke)

For the Blackwater CHPP project, WW Surveys coordinated survey services for the product coal area of the CHPP, including the data manipulation/calculations from both hard and soft-copy design mediums.

The construction included 6 km of rail network to accommodate two stackers and two reclaimers servicing the 500,000 cubic metre product stockpile, as well as the accompanying conveyor network, transfer station and train load out facilities.

2006

Bruce Highway Upgrade: Boundary Road to Uhlmann Road
\$50,000,000

Client: Lieghton Contractors

WW Surveys formed an integral part of the survey team accommodating the requirements for the 9.8-km widening of the Bruce Highway. This widening took the highway from 4 lanes to 6 lanes between Boundary Road and Uhlmann Road.

Our survey services contributed to the following aspects of construction works:

- * Traffic switches
- * Earthworks
- * Drainage
- * Retaining walls
- * Pavements
- * Lighting
- * Communication
- * Electrical
- * Noise walls
- * Road furniture

2006
South West Transport Corridor (Package B)
\$100,000,000

Client: Leighon Contractors

WW surveys delivered the survey management for the 9-km extension of the Centenary Highway, million cubic metres of earth and the construction of five bridges, as well as drainage, road furniture, line marking and landscaping.

We were responsible for overseeing all survey services of this greenfield project, including the movement of 2.5

2005
Docklands Light Railway: Canning Town to London City Airport Extension
\$400,000,000

Client: AMEC

WW Surveys formed part of the survey services for the 4.4-km rail viaduct, which included five stations.

The viaduct is composed of segments locked together and then placed on concrete columns with a cantilever gantry crane.

We provided survey support throughout the entire construction process, from piles going into the ground to the laying of the track.



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