

Robinson Engineering Surveys Pty Ltd ABN: 81 166 948 063



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Engineering Survey Capability

Robinson Engineering Surveys began operation in Gladstone March 1986, at that time named Peter Robinson and Associates, the name was later changed to Robinson Engineering Surveys Pty Ltd to reflect the expansion of that business.

The company has been involved in most facets of construction/engineering surveying including: Roads, rail, oil and gas, petro chemical, industrial, commercial, mining, materials handling, bridges, wharves and marine structures and machine guidance control.

Safety:

Robinson Engineering Surveys are committed to safety, our experience, methodologies, SWMS, JSEA's and take fives are part of the road we follow to zero harm. We have not had a medical treatment or an LTI in over 20 years representing over 300,000 man hours MTI and LTI free.

Training:

Our company continually undertakes in mentoring and job advancement for our employees, with the vision to have a highly skilled and competent workforce. Currently 2 of our surveyors are furthering their university qualifications and our administrator is furthering her training.

Robinson Engineering Surveys primarily uses 12d for our modelling and calculations – this program is quite complex and continually evolving. When courses that are relevant to our usage of this program are available we enroll our employees so that we can stay up to date with advancements in the field of surveying. We also attend conferences and product releases – which enable us to keep up with the latest surveying technology.

Qualifications:

100% of our workforce is university qualified in spatial science.

All of our field staff have a minimum of 10yrs experience in surveying.

Marine and Bridge:

We are the industry leaders in survey of marine projects our consultation in marine projects include supply of project management (marine) supply of site management (marine) supply of supervision (marine) supply of survey management and supply of surveyors.

We have specialized total stations running TPStakeout and our own specialized macros for fast and accurate aligning of vertical and raker piles, all calculations are automated on the instrument giving average time to shoot and inform operator of position is 5 seconds which delivers greater productivity and increased pile accuracy to our clients.

Marine and Bridge projects undertaken include:

- Over 100 bridges
- 6 lane bridge over Tweed River at Barney Point, Setout of Piles and headstocks hydrographic survey of bed pre and post construction
- Wiggins Island 1.8K Jetty and 350M coal wharf total construction and seabed data for jack up barge placement Gladstone.
- GLNG Gas loadout wharf and jetty Gladstone, total construction and seabed analysis for jack up barge placement.
- Abbot Point Wharf Beth 2 and 2.5K approach jetty conveyor, total construction, seabed survey and analysis for jackup barge placement.
- RG Tanna Coal wharf berths 2, 3 and 4, berths 2 and 3 widening and approach jetty 2 total construction, seabed survey and analysis.
- Ferry terminals and Roll on Roll off and Load on Load off terminals including those for QCLNG and GLNG at Gladstone and Curtis Island.
- Marine offloading facility GLNG Curtis Island,
- Marine offloading facility APLNG Curtis Island total construction and seabed analysis.
- Ben Anderson Barrage Bundaberg, preconstruction seabed survey end of month marine fill survey, final marine survey.
- Yeppen South Bridge 1.7km + 0.5km including highway upgrade and all associated intersections.
- Shorncliffe Pier rehabilitation

Rail and Road Infrastructure:

We have vast experience in this area totaling over 100km of rail and hundreds of kilometres' of road infrastructure. 3 of these road projects were award winning in rideability.

Projects include:

- Yeppen South, Bruce highway and Burnett highway intersections
- Yeppen South, Bruce highway and Capricorn highway intersections
- Capricorn Highway, Gogango
- Leichardt and Gore highway intersections and upgrade
- Bruce highway, Bororen north
- Fitzroy development road, Mackenzie river
- Landsborough highway, Blackall
- Rail Tilt Train upgrade, Lowmead to Banaraby
- Carborough Downs Balloon loop and approach rail
- Issac Plains Balloon loop and approach rail
- Rail duplication, Gladstone to Rockhampton
- Rail Line East End Mine to Queensland Cement and Lime Gladstone

Materials Handling:

Our experience in materials handling includes metalliferous mines, limestone mines, coal mines, alumina refineries, aluminum smelters, ammonium nitrate plants, cement plants, power stations, LNG, port facilities, wharves and jetties.

Civil and Industrial:

Experience in Industrial Plant tie-ins with greenfield and brownfield including Alumina refineries, aluminum smelters, ammonium nitrate plants, cement plants, power stations, LNG and coal processing plants.

Cadastral:

Our Consulting Cadastral surveyor in QLD and NSW is Peter's brother Ross Robinson, for all land developments such as subdivision, strata subdivision, identification surveys, lot re-pegging, lease surveys, town planning, environmental impact statements, flora and fauna impact statements, digital terrain modelling and mapping, GIS and spatial data management, ross has been a professional surveying consultant in both states for the last 21 years.

Main Equipment:

We own 12 fully robotic total stations including Leica TCRA1100 series, Leica Viva Series all using long range reflectorless EDM, 2 Leica DNA03 first order digital levels, 16 Wild tilting levels which eliminate wind, vibration and harmonics issues prevalent in leveling of marine work, 3 Leica Viva GPS rovers running on Smart net Aus or alternatively 1 base and 2 rovers. 1x Leica MS50 Scanner and total station accuracy H/V 1" Distance 1mm +/- 1ppm reflectorless range 2K, scanner range 1K. All our equipment is calibrated and regularly serviced

Methodologies:

With our marine experience we have advanced methodologies specifically for marine piling, marine structures and seabed analysis to ensure all works are in tolerance and have reduced setout times to maximize productivity.

Computer programs:

Our main survey package is 12D with modules Survey, Design and visualization, we also run AutoCAD, Microsoft office and Adobe Acrobat

Insurances:

Professional Indemnity \$10,000,000

Public Liability \$20,000,000

Comprehensive insurance on all our vehicles.

A handwritten signature in black ink, appearing to read "Peter Robinson", with a horizontal line underneath it.

Peter Robinson

Director

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