

Capability Statement

Over water, above expectations

over water, above expectations

With a company-owned fleet of specialist equipment and our longstanding trusted team we apply smart methodologies to deliver above and beyond the expectations of our clients.

Specialist design and construction

30 years+

Industry experience

Financial capacity Up to \$100 Million

Individual project value

Company-owned

About Us

Brady Marine & Civil proudly delivers design and construction solutions for over water works from simple marine structures to complex civil infrastructure projects.

We specialise in the construction of wharves, jetties, offshore pipelines, bridges over water and other marine based complex structures.

As a specialist marine contractor, we have a reputation for successfully delivering challenging marine infrastructure projects. Our strength is in delivering projects with an element of technical complexity. When given the opportunity to contribute early in the project lifecycle, we apply our in-house engineering skills to optimise value and reduce risk for our clients. We offer design and construct, early contractor involvement and construct-only solutions.

Brady Marine & Civil is a privately owned and operated, Australian business which was formed on the strength of Executive Director Paul Brady's 30 year career in this specialised field. Over the years the business has grown to deliver major projects alongside tier one contractors and is recognised as an industry leader in marine construction.

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Successful track record

\$400 Million+

Projects in the past 10 years

In-house engineering expertise

Smart Methodology

Lower risk, lower cost

Barges, cranes, piling, temporary works

Safety and Environment

Systems specific to marine works

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Solutions





Wharves and jetties

- Wharf and jetty structures for all types of cargos and vessel sizes
- From simple barge-loading facilities to terminals for the largest cruise ships
- Remediation and upgrades
- Design and construction or early involvement in design

Wharf and jetty construction is very much at the core of Brady Marine & Civil's history. Our fleet of equipment includes large construction barges, cranes and piling hammers which, when combined with our experienced personnel, enables us to self-construct wharf and jetty projects of significant size and technical complexity.



Bridge construction

- Bridges over water for road traffic, rail, pedestrians and cyclists
- Precast balanced cantilever, incremental launch, traditional and bespoke precast concrete girder bridges
- Foundation-only subcontracts through to full design and construct

Bridge construction involves many of the same elements as marine construction, especially in situations where the bridge crosses waterways or environmentally sensitive areas requiring equipment to be elevated above the ground. Brady Marine & Civil owns the specialised equipment, such as heavy duty temporary bridging and construction barges, to deliver cost-effective solutions for bridge projects. We also have relationships with specialist bridge contractors for joint venture arrangements.



Marine infrastructure

- Riverside walkways, ferry terminals, navigation beacons, ship lift facilities and other infrastructure
- Substructures for buildings built over water
- Remediation and upgrades

Marine infrastructure projects typically involve a high level of technical challenge and complexity as well as stakeholder management. Our relationships first approach is what delivers results.

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Outfall construction

- Outfall and intake structures for desalination, sewerage, cooling water and other effluents
- Various pipeline materials including HDPE, concrete weight-coated steel pipelines and precast concrete
- Methods including "bottom pull", "dig and lay", "float and sink"
- Design and construction or early involvement in design

Outfall projects require a high level of engineering expertise, experience with and understanding of a variety of methodologies, and access to specialist equipment and personnel. We pride ourselves on having all three elements.

Specialist Fleet

"It's one thing to have a variety of specialised equipment, the trick is knowing the most appropriate technique for a given situation."

Brady Marine & Civil owns a fleet of specialised marine construction plant and equipment. We deliver most marine works using our own equipment, offering clients a proven and reliable solution. Because our fleet is also varied in type, including options for temporary work platforms or floating plant, driven or drilled piles, we present an unbiased view on the most appropriate methodology for each unique project.

Knowing our fleet and its capabilities allows us to develop safe and cost-effective solutions, selecting the best barge and crane combination for the project. The Brady team takes immense pride in delivering projects with our own specialised fleet of marine equipment.





Anchor handling

accommodating cranes

up to 500 tonne

vessels small modular barges and workboats





Heavy-duty temporary bridging

Supporting cranes and related equipment



hydraulic, vibratory and impact



Drilling equipment Bauer Flydrills and Wirth Reverse Circulation drills



Our Approach

Relationships first

We put relationships first because to do the work we do requires trust, openness and cooperation.

Our approach is always to build and maintain open and honest relationships with our clients and partners. Being upfront and transparent is a feature of the way we do business. Often the projects we undertake are high value and involve high risk construction activities, so we believe in establishing a good relationship and agreeing on an appropriate contractual arrangement first. Having the right foundation allows us to then work effectively and collaboratively with all stakeholders with a 'best-for-project' mindset.

Our relationships first approach is what enables us to offer the best technical solutions and to deliver the work safely and cost-effectively. Brady Marine & Civil has a track record of success in all contracting arrangements – we work as a principal contractor, subcontractor, or in joint venture or consortium.

Engineering expertise delivering value

We are reliable and trusted by clients to do what others cannot.

Brady Marine & Civil offers complete design and construct solutions, or as a minimum, a contribution to the design development. When we have the opportunity to get involved early in the project lifecyle, we can deliver the greatest outcomes. We have worked with clients through ECI and ETI arrangements to deliver solutions which reduce construction program duration, costs and risks.

Our marine engineering capability is complemented by decades of construction experience. With complex marine structures, there is often the opportunity to optimise the design to enable more cost-effective, lower risk construction. Our innovative thinking and ability to formulate smart methodologies is what sets us apart from other contractors.

Safety, Quality, Environment



Setting new standards in safety and quality

Developed through years of experience in piling, heavy lifts and work over water, our safety and quality management systems are above industry standard and designed to manage a range of specialist and high risk activities. Our aim is to continually move forward and set new standards for ourselves and the industry. We see continuous improvement as our duty.

Our quality management system is certified to ISO 9001. Our safety management is certified to BS OHSAS 18001:2007, which supplements our certification to AS/NZS 4801:2001. We also have accreditation under the Office of the Federal Safety Commissioner scheme.

Award winning environmental management

Working over water involves significant challenges and places unique demands on environmental management. Brady Marine & Civil places high emphasis on minimising our impact while working in these environments.

Our environmental management system has been proven to be above industry standard having been developed through our experiences in work over water.

We use specialist products to minimise risks and reduce our environmental impact.

- Biodegradable hydraulic oils in all hydraulic equipment
- Double-walled containers for fuel storage
- Spill kits and absorbent booms

Our projects have won multiple Earth Awards including two National awards in recent years for marine works carried out over water in challenging environments.







an bridge donated to Brisbane State High School for their Carina playing fields

Culture and Community

At the heart of Brady Marine & Civil is a husband and wife team and the culture of family.

We are proud to have a longstanding team who are enthusiastic and driven to deliver outstanding projects. Over the years we have had the opportunity to build some stunning infrastructure and we take real pride in looking at the challenges faced, and subsequent achievements recorded.

As a team we appreciate we have both the knowledge and access to equipment which can greatly help others. We believe in giving back and have been privileged to get involved in a number of community projects and initiatives. This includes donations to schools, musicians, dancers, cyclists and surf clubs.

Project Experience

Wharf and marine infrastructure projects

Date	Project	Contract With (Client)	Location	Contract Value (AUD)
2019	Garden Island Cruiser Wharf	Lendlease	Sydney, NSW	\$75M
2019	Brisbane International Cruise Terminal Wharf	Port of Brisbane	Brisbane, QLD	\$30M
2018	Shiplift Jetties	BSE Ship Repairs	Cairns, QLD	\$5.1M
2018	High Intensity Aircraft Lighting Jetty	CPB BMD JV	Brisbane, QLD	\$8.3M
2018	Wharf Fender Upgrade	North QLD Bulk Ports	Mackay, QLD	\$7.5M
2017	Sand Berth Remediation and Upgrade	Graincorp	Pinkenba, QLD	\$0.4M
2017	Cruise Ship Terminal Marine Piles Installation	Wakachiku	Apia Port, Samoa	\$6.5M
2017	Port Gate Tug Berth Remediation and Upgrade	Port of Brisbane	Brisbane, QLD	\$1.3M
2016	Rubyanna River Wastewater Outfall Pipeline	Bundaberg Regional Council	Bundaberg, QLD	\$4.2M
2016	Barangaroo Ferry Hub Marine Piling	McConnell Dowell	Sydney, NSW	\$5M
2016	Pinkenba Wharf Remediation	Incitec Pivot	Brisbane, QLD	\$2.3M
2016	Wharf 12 Repairs	Port of Brisbane	Brisbane, QLD	\$1M
2015	Wharf Structural Upgrade and Remediation	Nyrstar	Hobart, TAS	\$7M
2014-2015	Flood Damaged Ferry Terminal Replacement	McConnell Dowell	Brisbane, QLD	\$5M
2014	Milton Ferry Pontoon	Brisbane City Council	Brisbane, QLD	\$1.4M
2014	Pinkenba Wharf Remediation	Incitec Pivot	Brisbane, QLD	\$1.5M
2013-2014	Caltex Bulk Liquids Wharf Outer Harbour Berth 4	Flinders Ports	Adelaide, SA	\$9M
2014	Crude and Products Wharf Upgrades	Caltex	Brisbane, QLD	\$2.5M
2012-2013	Bulk Terminal Wharf	Leighton Contractors	Whyalla, SA	\$4M
2012-2013	APLNG Marine Piling	Laing O'Rourke and John Holland	Gladstone, QLD	\$12M
2011	CityCat Ferry Terminals	Brisbane City Council	Brisbane, QLD	\$9M
2010-2013	Container Terminal Wharves 11 and 12	Port of Brisbane	Brisbane, QLD	\$60M
2009	Christies Beach CO4 Outfall	SA Water	Adelaide, SA	\$14M
2008-2009	General Purpose Wharf and Access Bridge	Port of Brisbane Corporation	Brisbane, QLD	\$33M
2007	Kwinana Cooling Water Outfall	ERM Power	Kwinana, WA	\$10M

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Bridge projects

Date	Project	Contract With (Client)	Location	Contract Value (AUD)
2019	Botanic Gardens Bikeway - Pedestrian and Cycleway	Brisbane City Council	Brisbane, QLD	\$12.7M
2018	Windsor Bridge Marine Pile Installation	Georgiou Group	Windsor, NSW	\$5.5M
2018	Nerang River Green Bridge - Pedestrian and Cycleway	Gold Coast City Council	Gold Coast, QLD	\$14.3M
2018	Bridge 08 (Mororo) Substructures	Bachy Soletanche Australia	Harwood, NSW	\$8M
2017	Harwood Bridge Substructures	Acciona Ferrovial JV	Harwood, NSW	\$26M
2017	Grafton Bridge Substructures	Fulton Hogan	Grafton, NSW	\$11M
2017	Bundall Road Bridge Widening	Georgiou Group	Broadbeach, QLD	\$1.5M
2016	Mandurah Bridge Replacement Marine Piling	Georgiou Group	Mandurah, WA	\$1.5M
2016	Coomera River Bridge - Rail Bridge Duplication	Golding	Coomera, QLD	\$8M
2016	Worrell Creek Bridges	Acciona Ferrovial JV	Macksville, NSW	\$8M
2015	Hastings River Bridges Substructures	Lendlease	Port Macquarie. NSW	\$8M
2014-2016	Homebush Bay Bridge	Fairmead Business	Sydney, NSW	\$35M
2014/2015	Kalang River Bridges Substructures and Girder Erection	Lendlease	Urunga, NSW	\$5M
2013/2014	Molonglo River Bridges Foundations	Fulton Hogan	Canberra, ACT	\$6M
2013/2014	Tarban Creek Bridge Remediation	VSL Australia	Sydney, NSW	\$3.5M
2012/2013	Nerang River Bridges - Light Rail and Pedestrian	McConnell Dowell	Gold Coast, QLD	\$13M
2011/2012	Oxley and Bulimba Creek Bridges	Port Connect (BMD Seymour Whyte JV)	Brisbane, QLD	\$10M
2010/2011	Captain Bishop Twin Bridges	BMD Constructions	Brisbane, QLD	\$6M

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Location Brisbane, QLD

Value \$30M



Client

Contracting arrangement Main Contractor



Construction of the marine works associated with the new Brisbane International Cruise Terminal. The facility will cater to the largest cruise ships in the world including Oasis Class ships with lengths up to 363m. Works include construction of a 208m long precast wharf, four mooring dolphins, two vehicle access ways, wharf furniture, services and cathodic protection.

Steel piles, typically 45m in length, were driven in single lengths using floating plant. Precast concrete shells and planks were delivered via barge. The dolphins are a design and construct alternative featuring 4.3m diameter monopiles with a precast concrete head.



208m wharf length **2,500** tonnes of precast concrete elements

4 large diameter monopile dolphins

Date

Location Harwood, NSW

2017-2018

Value

\$26M

Client Acciona Ferrovial Joint Venture

Contracting arrangement Subcontractor



Sub-arc methods were used to splice piles at an on-site splice yard. At peak construction, marine works were serviced by 3 large construction barges and a temporary load-out jetty. A 400 tonne crane was utilised for land piling, pitching 2.4m diameter steel piles and driving with an IHC S500 piling hammer imported from Europe.

Highlights



Clarence River Bridge at Harwood

Substructure works for major bridge project across the 600m wide Clarence River. The project required driving steel piles of 1200mm, 2000mm and 2400mm diameter and up to 67m long. Piles were then excavated internally and a reinforced concrete plug cast in-situ. Submerged pile caps on the river necessitated the use of a cofferdamstyle form system.

1.5km long highway bridge across 600m wide river

53m long, 74 tonne piles pitched in single lengths on the river

180 tonne girders lifted 30m above river

Highlights



Client CPB BMD Joint Venture

Contracting arrangement Subcontractor



Rubyanna WWTP River Discharge

Part of a \$90 million project to construct a new wastewater treatment plant for the growing population, Bundaberg Regional Council elected to deliver the 150m long river discharge as a separate design and construct contract. Brady Marine & Civil incorporated several key value-engineering initiatives to the reference design including optimisation of the number and size of diffuser pipelines, elimination of near-shore and offshore excavation and a significant reduction in

Trenchless technologies were utilised to facilitate the shore crossing, with an inclined enveloper tube driven from an onshore trench under the riverbank and into the river channel. The 150m long discharge pipelines were floated into the river and pulled back up through the enveloper tubes via an onshore winch. Divers were used to fix the pre-fabricated discharge lengths to supporting piles.



Client Fairmead Business

Contracting arrangement

Date

2014 - 2016

Location

Sydney, NSW

Value

\$35M

Design and Construct Contractor (Integrated JV with VSL Australia)



The main structure over water featured 68m spans constructed as balanced cantilevers using match-cast segments cast on site. Foundations were driven steel tubes with a submerged reinforced concrete pile cap and piers. Precast segments up to 90 tonnes weight were erected using a heavy lift crane barge established specifically for the project.



Brisbane Airport Approach

Brisbane's new runway project included approach lighting north and south of the new runway alignment. Main contractor CPB BMD JV awarded a subcontract to Brady Marine & Civil to supply and install the high intensity aircraft lighting (HIAL) support structures. The HIAL North structure featured a 360m long jetty extending over Moreton Bay tidal mudflats. With the new jetty under the crossrunway approach pathway, the majority of works were required to be completed within a 4-week runway closure.

With the optimum tidal windows chosen for the runway closure, offshore fabrication of piles and fabricated steel components was carried out well in advance. Construction was facilitated by grounding barges on the flat tidal areas such that work could continue through all stages of the tide. Detailed hourly planning and execution ensured the works were successfully completed within the shutdown period.

	Date 2011	
	Location Brisbane, QLD	5
\$	Value \$4.5M	V
ເຖິງ	Client Brisbane City Council	Re Er he m se wa
AIII	Contracting arrangement Main Contractor	of No fig m bu th

Homebush Bay Bridge

Design and construction of a 480m long bridge across Homebush Bay and into Wentworth Point in Western Sydney. The bridge is designed for pedestrians, cyclists, public buses and emergency vehicles, and connects the rapidly growing Wentworth Point residential area with public transport in Rhodes.



CCF Earth Awards Winne (National) 2012

Nest End Ferry Terminal

eplacing an original structure badly damaged in the 2011 floods, the new West nd Ferry Terminal is designed for increased flood levels. The project site was eavily constrained by a protected fig tree, public bus terminal and existing angroves, requiring an approach which maximised off-site pre-fabrication and erviced the project with floating plant where possible. The construction period as also minimised after the floods destroyed the existing terminal at the time f contract award.

ovel techniques were used to install driven piles in the waiting area through the g tree canopy. Site excavation and disturbance of acid sulphate soils was also inimised through innovative piling techniques. Construction of the terminal uilding successfully delivered the high quality lighting and finishes specified by ne project architects.





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