



PRECAST CONCRETE

CAPABILITY STATEMENT

WAGNERS

WAGNERS GROUP

WAGNERS GROUP

Wagners is a diversified Australian construction materials and services provider and an innovative producer of New Generation Building Materials (NGBM). Our NGBM division is leading the way with high-strength, lightweight, low carbon alternatives to traditional construction materials. Established in 1989, Wagners is an ASX-listed company operating in domestic and international markets.

NEW GENERATION BUILDING MATERIALS (NGBM)

Our Earth Friendly Concrete® (EFC®) and Composite Fibre Technologies (CFT) are pioneering more sustainable solutions for concrete and hardwood. Composite Fibre products are lightweight and have a long life span as they do not rust, rot or corrode.

CONSTRUCTION MATERIALS AND SERVICES (CMS)

Wagners' Construction Materials and Services (CMS) division manufactures and sells cement, flyash, reinforcing steel and aggregates. We also provide mobile and on-site concrete batching, crushing and haulage services.

WAGNERS GROUP PRODUCTS AND SERVICES

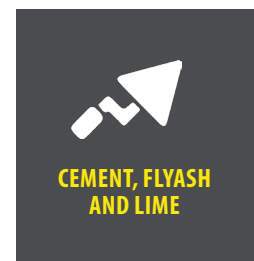
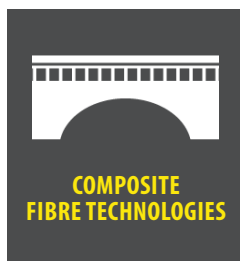
PROJECT ENGINEERING SERVICES

Wagners Project Engineering Services work hand in hand with all divisions of the Wagners business to ensure the successful completion of every project, no matter the size or location.

The team collaborate with engineers to build Concrete Batch Plants, pultrusion machines to produce Composite Fibre products, bridge propping on project sites to transport equipment and a Wharf on the Brisbane River with the capacity to service cargo ships carrying up to 40,000 tonnes.

The Project Engineering Services division design, certify, fabricate and install structural steel and infrastructure. Additionally we perform services, repairs and maintenance on all vehicles and equipment, and custom modifications of OEM equipment.

WAGNERS IS ISO 9001, ISO 14001 AND ISO 45001 CERTIFIED, ACCREDITED BY SAI GLOBAL.



WAGNERS PRECAST CONCRETE



TOOWOOMBA SECOND RANGE CROSSING VIADUCT

WAGNERS PRECAST CONCRETE, FORMERLY DOWSTRESS, IS A WHOLLY OWNED SUBSIDIARY OF THE WAGNER GROUP OF COMPANIES.

Our Precast and prestressed concrete business has been in operation at Wacol since 2005.

On site we have a NATA certified laboratory, our precast production facility is ISO9001 accredited and registered to MRTS 70, 72, 73 and RMS C2 category. Our location in Wacol gives easy access to the Ipswich Motorway and connections to other major arterials and access to other Wagners' sites regionally.

WAGNERS PRECAST CONCRETE HAS HAD EXTENSIVE EXPERIENCE IN MANUFACTURE OF PRECAST PRESTRESSED CONCRETE ELEMENTS TO EXACTING SPECIFICATIONS FOR MAJOR INFRASTRUCTURE PROJECTS AROUND SOUTH EAST QUEENSLAND AND HAS SUPPLIED PRECAST CONCRETE BRIDGE DECK UNITS AS FAR NORTH AS SARINA AND INTO SOUTH WEST QUEENSLAND.

We have also manufactured a range of client specified precast concrete elements including post tensioned water reservoir panels, concrete batch plant bins, dam wall face panels and fish way structures. Our Wacol factory has recently been involved in a number of tunnelling projects with the most recent being the manufacture of tunnel segments for the Cross River Rail project in Brisbane.

Wagners Precast Concrete, as part of the Wagners Group of Companies, has access to all aspects of the Wagners Group to provide a service to our customers. This includes use of the Wagners facilities, supply of Wagners Cement and provision of technical services from Wagners NATA Certified Laboratories. We source reinforcing steel (supply cut and bend) from Wagners ACRS certified Reinforcing Steel business located in Toowoomba. We also have access to mould fabrication and other boiler making services from the Wagners Workshops in Toowoomba. We also have access to Wagners Transport who have a range of vehicles from flat bed and drop deck trailers to heavy floats.

CORE COMPETENCIES

QUEENSLAND GOVERNMENT ACCREDITATION

MRTS-70

MRTS-72

MRTS-73

OTHER ACCREDITATIONS

Safety - ISO 45001

Quality - ISO 9001

Environment - ISO 14001

NATA - Concrete



FACILITIES AND CAPABILITIES

FACILITY

- » 2 x Concrete Batch plants
- » Over 8,500 M2 fully enclosed sheds
- » Multiple Stress Beds – 250LM+
- » Over 25,000 M2 Storage
- » Material and Product handling equipment up to 100T

PRODUCTION LINE FACILITY

- » 4,000 M2 fully enclosed
- » Automated carousel
- » 11 work stations
- » Dedicated concrete batch plant
- » 3 line steam curing oven

PRESTRESSED CONCRETE

- » T Girder Moulds
 - 750mm
 - 1825mm
- » Deck Units
 - 596mm wide
 - Max 1050mm high

IN-HOUSE CAPABILITIES

- » Concrete design
- » Concrete Batching / delivery
- » Concrete testing – NATA
- » Mould Fabrication
- » Reinforcement steel
- » Reinforcement fabrication
- » Welding/ Boiler Makers

BUILDING SECTOR

- » Precast Panels
- » Precast Columns
- » Precast Stairs

CUSTOM SPECIALTY PRECAST STRUCTURES

- » Precast CFT / GRP / EFC Composite Panels

RECENT SIGNIFICANT PROJECTS





CROSS RIVER RAIL TUNNEL SEGMENTS – 2 OFF 6.5M DIA RAIL TUNNELS UNDER THE BRISBANE RIVER

We manufactured over 4,000 precast rings made up of over 27,000 units manufactured on Queensland's only precast concrete carousel. For the Cross River Rail project using approximately 111,000 tonnes of concrete for this project.

CLIENT: CBGU D&C JOINT VENTURE
VALUE: \$41 MILLION

PINKENBA WHARF

PINKENBA, QLD – COMPOSITE DECKING

The deck structure is built from 191 prefabricated hybrid panels that span between 8 and 12 metres over steel headstock beams.

Each panel consists of:

- » Pultruded CFT U-Girders that provide the tensile beam spanning capacity
- » EFC® geopolymer concrete engaged deck that acts as a compression flange while locking the U-Girders together
- » FRP reinforcing bar in the concrete deck to form a completely non-metallic structure that is risk-free for marine exposure

CLIENT: WAGNERS PROPERTIES PTY LTD.

VALUE: \$3.1MILLION





PRECAST FACILITY,
WACOL, QLD, AU

**GROSVENOR MINE,
MORANBAH, QLD – COAL MINE DRIFT**

Engineering design, manufacture, certification and delivery of 11,161m² of precast concrete floor units for two drift roadways. Units were designed by Wagners as integrated column and slab structures to optimise installation and reduce duration of construction.

CLIENT: ANGLO AMERICAN METALLURGICAL COAL (AAMC)
VALUE: \$6.9 MILLION



INSTALLED DRIFT ROADWAY



TUNNEL SEGMENTS

**GROSVENOR MINE,
MORANBAH, QLD – COAL MINE DRIFT - TBM
TUNNEL SEGMENT**

Manufacture and delivery of 9657 high precision precast concrete tunnel segment elements (48000 tonnes) for two tunnel drifts.

CLIENT: REDPATH CONTRACT SERVICES PTY LTD/ ANGLO AMERICAN METALLURGICAL COAL (AAMC)
VALUE: \$29 MILLION

GROSVENOR MINE, MORANBAH, QLD – TBM DRIFT INTERMEDIATE FLOOR

Manufacture and delivery of precast concrete floor elements for an intermediate floor to be used for the installation of oversized specialty mining equipment, prior to the tunnel final floor installation.

**CLIENT: HUTCHINSON BUILDERS / ANGLO
AMERICAN METALLURGICAL COAL (AAMC)**

VALUE: \$2.5 MILLION



PRECAST CONCRETE FLOOR ELEMENTS

ARCHITECTURAL PATTERNED PRESTRESSED CONCRETE BEAM



TOOGOOLOWAH PEDESTRIAN BRIDGE, QLD

Manufacture of architectural patterned precast prestressed concrete beams for pedestrian bridge.

**CLIENT: QUEENSLAND BRIDGE & CIVIL PTY
LTD**

VALUE: \$100,000



INSTALLED DECORATIVE PRECAST WALL PANEL,
EAST CREEK, TOOWOOMBA

TOOWOOMBA OUTER CIRCULATING ROAD & EAST CREEK UPGRADE

Manufacture of decorative precast wall panels/
retaining walls.

**CLIENT: TOOWOOMBA REGIONAL
COUNCIL**

VALUE: \$660,000



NORTH HAVEN BOAT RAMP, PORT MACQUARIE, NSW

Manufacture and delivery of precast concrete floor panels using Earth Friendly Concrete® (EFC®) for boat ramp.

CLIENT: PORT MACQUARIE COUNCIL

VALUE: \$60,000

BRUCE HIGHWAY, COOROY TO CURRA, QLD

Manufacture of 13 Troff girders, 104 deck units, 111 octagonal piles and 400m parapets for three bridges.

CLIENT: LEND LEASE PTY LTD / QLD GOVERNMENT

VALUE: \$2.2 MILLION





SANTOS GLNG PROJECT, ROMA, QLD

Manufacture & delivery of precast concrete columns and wall panels for six (6) buildings.

CLIENT: UGL/SANTOS

VALUE: \$1 MILLION

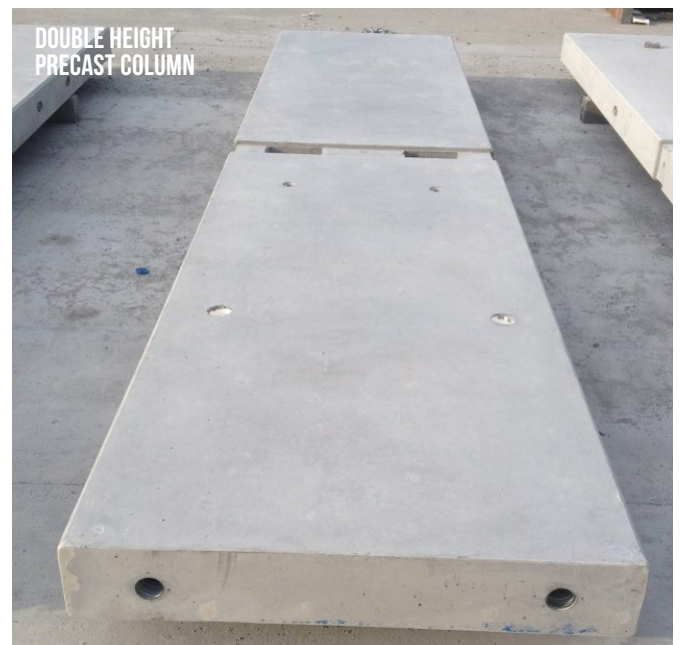
GOLD COAST, QLD

The project is a development at Southport on the Gold Coast of multiple residential apartment complexes comprising the construction of:

- » 18 apartment buildings – 189,000m²
- » 1170 No. residential 1 and 2 bedroom apartments
- » 82 No. 3 bedroom townhouses
- » 5 No. underground basement car parks
- » Podium landscaping, pools and resident pavilions
- » Supermarket and retail outlets



**PRECAST CONCRETE
STAIRS**



**DOUBLE HEIGHT
PRECAST COLUMN**

Wagners scope was to manufacture for the apartment buildings;

- » 1738 precast columns (including single & double height)
- » 65 precast stair flights



WYNNUM ROAD UPGRADE, BRISBANE – WALL PANELS

Manufacture of architectural noise reducing wall panels. Over 800m² total.

CLIENT: FENCEPAC

VALUE: \$320,000

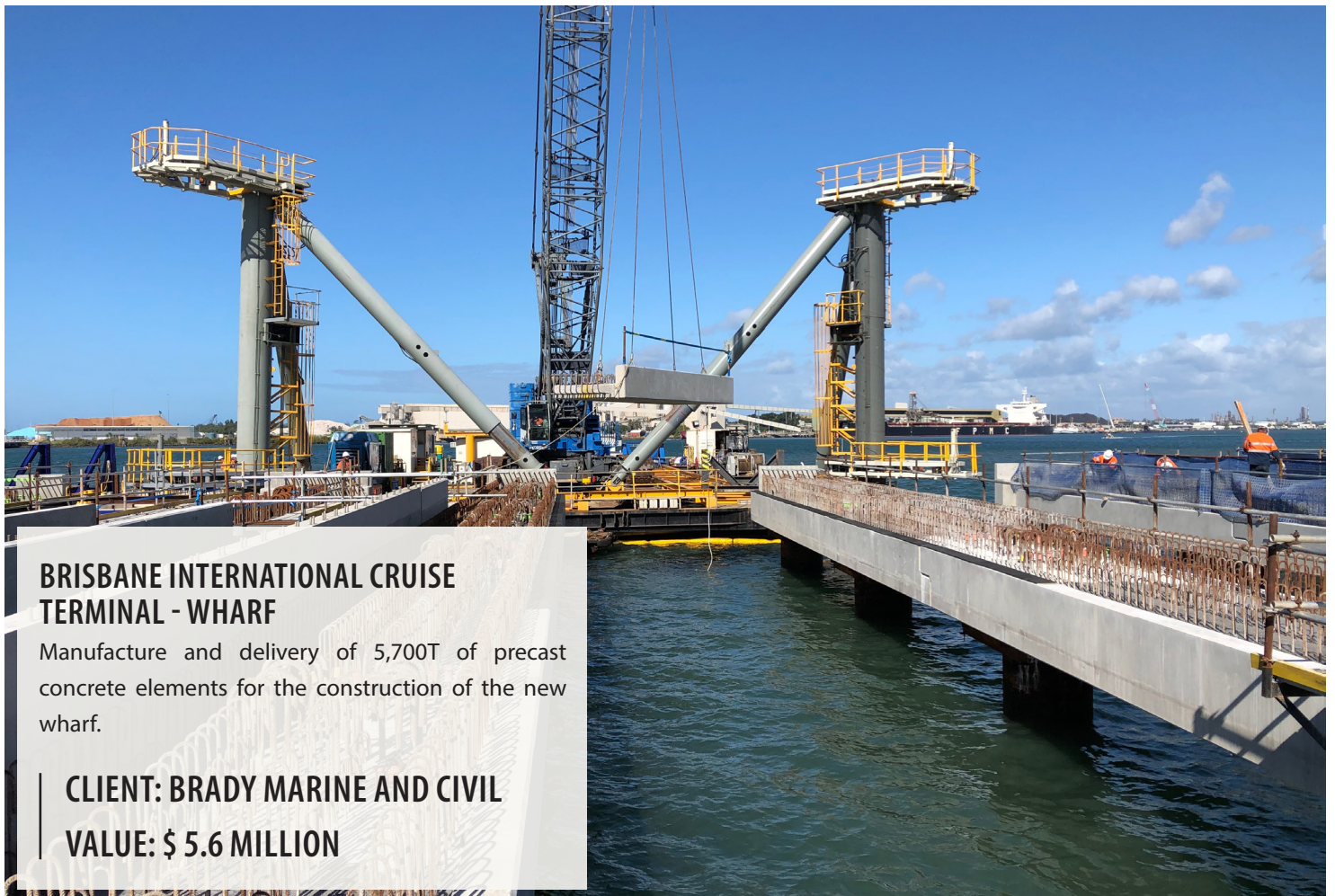


TOOWOOMBA SECOND RANGE CROSSING, TOOWOOMBA, QLD – BRIDGES

Manufacture of over 800 PSC units; 250 T' girders ranging in size between 1550 to 1825mm, 615 deck units and 2800m of parapets for fourteen bridges.

CLIENT: NEXUS DELIVERY

VALUE: \$16.5 MILLION



BRISBANE INTERNATIONAL CRUISE TERMINAL - WHARF

Manufacture and delivery of 5,700T of precast concrete elements for the construction of the new wharf.

CLIENT: BRADY MARINE AND CIVIL
VALUE: \$ 5.6 MILLION



PRECAST JETTY HEAD STOCKS



PRECAST WHARF STEEL



PRECAST WHARF SLABS



PRECAST WHARF HEADSTOCK

CAPABILITY STATEMENT

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