



**WDT (Engineers) Pty Ltd**

**Capability Statement 2016**

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**Engineers - Fabricators - Constructors**

## Company Overview

WDT is a manufacturing and construction company providing design, fabrication, machining and installation services to Australian and international Clients.

Proudly Australian, WDT was incorporated in 1970 and has grown steadily in knowledge and expertise establishing a reputation as a reliable supplier to industry with an impressive portfolio of successful projects delivered from our facilities in Brisbane and Mackay.

Our focus is on medium to major projects with the capability to cover the full scope of design, project management, drafting, manufacturing and construction for projects ranging from one off pressure vessels to a complete sugar mill factory or major bulk materials handling facility.

Operating out of our two Queensland facilities WDT provides manufacturing and construction services to a wide range of industries including:

- Sugar Industry
- Mining Industry
- Materials Handling Industries
- Oil and Gas
- Process Industries

The company has a strong team of experienced long serving personnel that allows it to provide advanced and complex services typical of much larger companies at more competitive pricing due to lower overheads.

## Our Mission

Our vision is to create a landscape where Australia and its surrounding region's industry can operate at ever-increasing output and safety, at less cost and with less downtime than current technology allows. With innovative designs backed by our solid plant, process and mechanical engineering knowledge, we envision a cleaner, smarter and more cost-efficient future where productivity and sustainability go hand in hand.



**WDT celebrating 45  
years of proudly  
supporting  
Australian  
industry**



## Safety is our first consideration



## WDT's Quality System is certified to ISO9001:2008



## Safety Management

WDT targets best practice in occupational health, safety and environment performance that supports our strategic intent of ensuring safety is of greater importance than any other company objective.

Our Health Safety & Environment Management System objectives are to:

- Ensure safety is our first consideration
- To support all levels of the company in their safety responsibilities through effective communication, resources and the provision of education and information.
- Continually improve our safety performance through monitoring and revision of the OHS Plan to achieve our goal of zero harm
- To promote an environment that encourages employee ownership and involvement in the health and safety process.
- Compliance with applicable laws, regulations, standards and other requirements

Our System is based on the continual improvement cycle of Plan, Do, Measure and Improve. The metrics are mapped against the elements of both AS/NZS 4801:2001 (Safety) and AS/NZS ISO 14001 (Environment) and assists in protection of our people, clients, property, plant and equipment.

## Quality Management

WDT's Quality Management System provides a framework that helps ensure all controls are in place to monitor and measure performance throughout the project lifecycle.

We are continually striving for improvements to achieve best practice in our quality of performance. We hold certification to AS/NZS ISO 9001:2008, each project has its own Quality Plan driven by specific project requirements to ensure a planned delivery of services to minimise disruption and downtime to our clients.



**Full pre-assembly and shop testing at our factory for fast and cost effective installation on site**



## Capabilities

WDT has Clients spanning a number of industries with a diverse range of design and manufacturing capabilities developed since incorporation in 1970. We can manufacture directly from provided shop drawings or provide a full in house service from concept through to commissioning with the capability to take on projects with values in the order of \$25M and beyond.

## Mining & Materials Handling

WDT has extensive experience in materials handling and mining equipment projects providing design, supply, manufacture, installation and commissioning services for projects large and small.

From ship loaders, stackers and reclaimers to a complete coal handling plant WDT has the capability to deliver on your materials handling projects whether they are green field or upgrade and replacement projects.

### Products

- Reclaimers
- Stackers
- Ship loaders
- Trippers
- Belt Conveyors
- Belt Feeders
- Hoppers
- Bulk Storage Bins & Silos
- Bucket Elevators
- Screw Conveyors
- Automatic Transfer Cars
- Specialized Equipment

## SCHADE Stockyard Equipment

WDT is the exclusive representative for SCHADE scraper reclaimers and stockyard equipment in Australia with over 25 years of association with supplying their equipment to the Australian market. WDT can supply full turnkey delivery of the full SCHADE product range.



## Sugar & Process Industries

WDT is a leading supplier of process equipment for both milling and refining operations for the Australian sugar industry.

We have proven capability all aspects of project delivery including budgeting, project management, design, fabrication, machining, procurement, construction, installation and commissioning of a full range of process plant covering every aspect of a sugar mill “back end” with access to many in-house designs proven in the industry over the last forty plus years.



**Full design and  
manufacture capability  
for vessels large and  
small**

### Products

- Batch Vacuum Pans
- Continuous Vacuum Pans
- Evaporators (Roberts & Plate)
- Condensers
- Rotary Juice Screens
- Juice Heaters
- Clarifiers
- Receivers
- Crystallisers
- Sugar Dryers
- Tipplers
- Bagasse Storage Systems
- Bagacillo Systems
- Bucket Elevators
- Screw Conveyors
- Melters
- Tanks & Pipe work

### Continuous Fugal

Our proprietary fugal design offers the following advantages:

- High Grade at Low Speed with reduced breakage
- Basket design improves purging and drainage at low speed
- Reduced wash water demand
- In-basket Masecuite conditioning
- Separate green / wash molasses, ideal for continuous pans.
- Optimum ‘A’ & ‘B’ Masecuite Fugalling



### Pressure Vessels

We are specialists in pressure vessel design, manufacture, testing and certification in accordance with both Australian and international codes. We manufacture to all vessel classes and constructions from both ferrous and non-ferrous metals.

## Manufacturing & Installation

WDT's has invested in a range of heavy equipment in our workshops providing specialty machining services of which few companies in Queensland have the equivalent. Our Brisbane facility houses a versatile machine shop with the capability to handle large and difficult machining tasks beyond that of your average machine shop.



**Versatile fabrication  
and machining  
workshops in Brisbane  
and Mackay**

### Brisbane Workshop

- Five 10 Tonne overhead cranes in two bays
- Large load out capacity — up to 65 Tonne
- 3100mm x 25mm Plate Rolls
- Falcon Plate Stripper with 6 cutting heads
- Abrasive Blast Room Facility
- Paint Shop Facility
- SAW, GMAW, FCAW, GTAW, MMAW Welding
- Carbon Steel, Stainless Steel, Duplex Steel Fabrication
- Extensive Shop Testing Capability for pre-assembly and shop testing
- 4,500 m2 Covered Workshop

### Mackay Workshop

- 50 Tonne, 20 Tonne and Two 5 Tonne overhead cranes
- 3300mm x 36mm Plate Rolls
- SAW, GMAW, FCAW, GTAW, MMAW Welding
- Carbon Steel, Stainless Steel, Duplex Steel Fabrication
- 2,500 m2 Covered Workshop

WDT's extensive in house capability allows us to respond rapidly to Client needs in the event of unplanned major equipment failure or damage. WDT's management and workshop team will respond with around the clock support to have the equipment replaced or repaired and back in operation as soon as possible.

**There when you need  
us the most**

Contact details:

### Brisbane Works - Head Office

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### Mackay Works

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### Installation, Upgrades & Refurbishment

Our construction group provides installation services for all our manufactured products plus provide shutdown and maintenance services for our sugar, mining and industry clientele.

With our dedicated site crew we carry out projects from concept through to final commissioning, completing a full turnkey service.

