

- ✔ Oil and Gas
- ✔ Power – Traditional
- ✔ Power – Renewables
- ✔ Coal Mining
- ✔ **Water Utilities**
- ✔ Non-Ferrous Works
- ✔ Rail
- ✔ Defence
- ✔ Civil Onsite
- ✔ General Engineering



# Water Utilities

capability statement



# WHAT WE DO

Berg have been partnering with clients in the Water Utilities and Infrastructure industry for over 30 years providing pump repair and refurbishment services.

## Pump service capabilities:

- Component pump and motor overhauls
- Components repairs and modifications
- Pump and motor pedestal modifications
- Baseplate frame modifications
- Lubrication systems
- Commissioning and decommissioning



## Machining & Welding Repairs

Berg provides machining, mechanical fitting and welding repair services to relevant water infrastructure equipment and fixed plant. This includes welding and fabrication repair under Level 10 welding supervision and procedures in line with various global standards including ASME, AS, ISO and ASTM.



## Types of pumps and equipment we service:

- Centrifugal
- Split Case
- Submersible & Borehole
- Slurry
- Slump
- Helical Rotor
- Rotary Lobe
- Piston (positive displacement)
- Liquid Ring Vacuum Pumps & Compressors
- Turbine (Vertical & Horizontal)



## PROJECT SPOTLIGHT

### Tarong Power Station Pump Overhaul for Stanwell Corporation

Works undertaken as part of this project included removal of existing pump equipment from the Tarong facility, transportation to Bergs Brisbane workshop, undertaking a full condition assessment of the pump and its components, refurbishment of the pump and then transportation and installation back at Tarong. The project was complex in that it needed to be undertaken quickly and effectively to ensure the Tarong Power Station was fully functional and ready to meet peak season power demands. Berg were able to achieve Stanwell's required timeframe through strict management of the project timeline and a hands-on project management approach.





## PROJECT SPOTLIGHT

### Replacement Parts & Components

Berg can manufacture a large range of axial flow, turbine and centrifugal pump bowls and impellers of various material grades to improve toughness, erosion resistance and corrosion resistance in client-specific applications. We utilise the latest 3D scanning technology with advanced modelling software and metrology to re-create pump components, such as vertical turbine pump bowls/diffusers, impeller and suction bowls.

Berg also provide a series of high quality non-destructive testing methods to identify flaws in equipment such as LPI, MPI and UT and have the capability to provide mechanical and chemical analysis. This allows for higher quality control checks of all incoming raw materials ensuring compliance with national and international standards and client specifications.



### Pump Refurbishment for QUU Sewerage Treatment Plant

This project saw Berg undertake refurbishment works to the vertical and axial flow pumps at one of Queensland Urban Utilities Sewerage Treatment Plants. Works included the dismantling, and remanufacture of pump components and repairs to others. The benefit of employing this refurbishment strategy was that the life cycle of the existing asset was extended with minimal disruption to the running of the plant.

#### BEFORE



#### AFTER



## HOW WE DO IT

Our reputation for on time and on budget delivery is what sets Berg apart from our competitors and with our industry leading facilities in our Brisbane, Gladstone and New Caledonia workshops, Berg can comfortably deliver contracts up to \$15 million in value across the Asia Pacific region.

### Our workshop capabilities include:

**Fabrication** – Berg can undertake **complete fabrication & installation** of complex items and functional structures;

**Lifting & Manipulation Equipment** – Hard stand areas and overhead cranes with **20 tonne** lifting capacities;

**Large Capacity Machining** – Berg has over **\$20 million** invested in modern computer controlled machinery and expert fitting capabilities, enabling us to provide an extensive range of products and build a reputation for specialising in large, complex and difficult to source items and components;

**Welding** – Berg have significant inhouse welding capabilities including exotic material welding and plasma transferred arc facing technology. We are NATA Accredited in the field of non-destructive testing in accordance with ISO/IEC 17025 and employ international coded welding inspectors and pressure code AS 1796 Cert No 10 Welding supervision.

# WHO WE DO IT FOR

Having been in operation for over **4 decades**, Berg have evolved, matured and diversified in tandem with our clients and today work with a wide range of blue chip businesses across the Asia Pacific Region.



Berg are a proud Queensland owned engineering business that has built a reputation for excellence on the back of two generations and more than four decades of Berg family passion.

Headquartered in Brisbane and with bases in the Asia Pacific we strive to provide our clients with a diverse range of machining, fabrication, welding and reverse engineering services; working in tandem with them to optimise assets and achieve exceptional cost savings while ensuring we meet our ISO accredited quality and safety standards.

## Brisbane

### Berg Engineering Workshop

11 Terrence Road  
Brendale QLD 4500

**Telephone** +61 (0) 7 3881 6222

**Email** customerservice@bergengineering.com.au

## Gladstone

### Berg Engineering Workshop

15 Bensted Street  
Gladstone QLD 4680

**Telephone** +61 (0) 7 4976 3900

**Email** gladreception@bergengineering.com.au



QMS Certification Services



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