



CAPABILITY STATEMENT
NON-FERROUS WORKS



WHAT WE DO

Berg Engineering have been partnering with clients in the Alumina, Nickel, Gold, Copper and other Non-Ferrous Metals industries for over 50 years and are proud of our demonstrated track record of reducing costs and improving the service life of key mine site assets. Our proven expertise extends to following services:

GEARBOX REFURBISHMENTS

Berg can provide a variety of gearbox solutions that will reduce capital and maintenance expenditure while improving cashflow and increasing production availability. Our gearbox solutions range from the manufacture of individual components to full refurbishment to turnkey solutions and also includes the manufacture of gearboxes to fit the existing plant infrastructure that is no longer supported by OEMs.



PULLEYS & COMPLEX CONVEYOR ASSEMBLIES

Berg have been manufacturing and refurbishing conveyor pulleys for many years and regularly has product entering the coal, gold and alumina industries. With capability of over 1200mm diameter and over 3000m in length, Berg is equipped to support a wide multitude of conveyor pulley set-ups.



PUMP REPAIRS & REPLACEMENTS

Berg have the capability to undertake full pump removal, installation and re-manufacture of pump components including impellers, wear rings, shafts, casings, stuffing boxes and sleeves. We can also perform laser coupling alignments; enabling us to laser survey the motor and pump bases and then mill them flat onsite if required; providing cost and time savings for our clients.



PROJECT SPOTLIGHT

LIGHTNING 16R AGITATOR GEARBOX EMERGENCY REBUILD FOR RIO TINTO ALUMINA

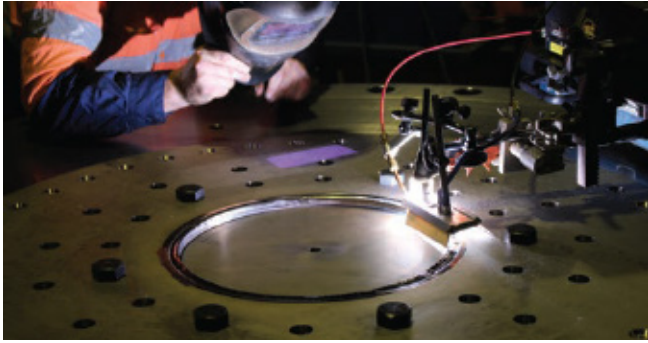
This project saw Berg undertake the complete rebuild of failed 9 tonne gearbox including repairs to the case and replacement of all internal shafts, gears and bearings. To ensure continued operation of the Rio Tinto Plant, works had to be undertaken in a tight two-week timeframe; a challenge Berg were able to meet due to the comprehensive facilities available at our Gladstone workshop.



SPECIALISED WELDING SERVICES

Berg have extensively developed capabilities and offer our clients:

- Welding, corrosion resistance, hard-facing and wear plate expertise;
- AICIP Certified inspectors,
- CSWIP & WTIA Cert 10 Qualified Welding supervisor,
- ASME (BPVC) IX and AS3992,
- AINDT Level II & Level III Technicians,
- Exotic welding qualifications SS and Ti,
- NATA Accredited NDT facility offering services including Liquid Dye Penetrant, Radiography Inspection, Ultrasonic Testing, Magnetic Particle Inspection and Hydrostatic Testing.



OTHER SERVICES

- Agitator Blade and Stub Shaft repair and refurbishment,
- Valve manufacture and refurbishment,
- Ball and Gate Valve overhauls,
- Onsite Services including portable line boring and precision machining up to 1500mm in diameter,
- Mobile equipment spares and repair management.



PROJECT SPOTLIGHT

SCROLL SHAFT PRODUCTION FOR QAL

In early 2019 Berg Engineering was engaged by one of Australia's leading alumina production companies, Queensland Alumina Limited (QAL) to undertake production of a Scroll Shaft. The Berg Brisbane Workshop undertook all fabrication, welding and machining works to strict QAL and industry standards.



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.



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.



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