

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



Power – Traditional

capability statement



WHAT WE DO

Berg have been partnering with clients in the Coal and Gas fired Power Stations Industry for over 45 years and are proud of our demonstrated track record of reducing costs and improving the service life of key power station assets.

Soot Blower Assembly

Berg has the inhouse capability to design and engineer seats for the Soot Blower body which can be replaced without taking the entire valve out for refurbishment. We can also design spare parts for Soot Blower assembly, utilising the most current and innovative technology to maximise performance and reliability for our clients.



Ash Crusher Servicing

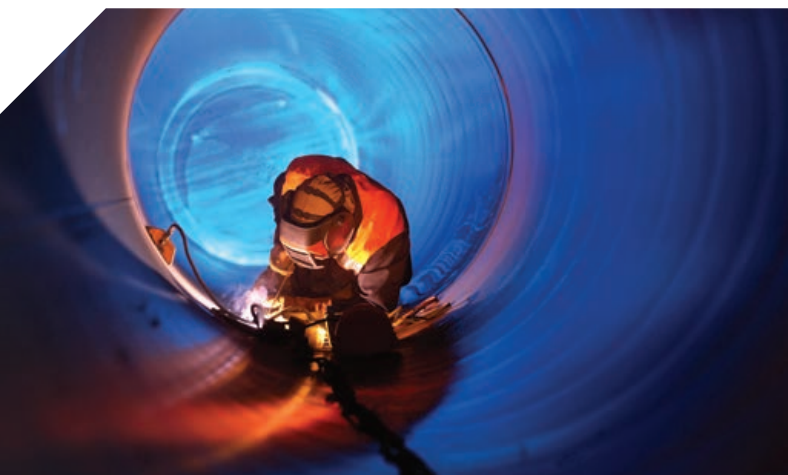
Berg is a trusted supplier of refurbished components and precision machining services for Ash Crushers; adhering to the strictest quality testing standards. We can provide complete rebuild services or manufacture individual components providing the added benefit of Ash Crusher performance improvements and increased reliability.



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.



PROJECT SPOTLIGHT

Development of Alternative Ash Crusher Spares

A number of major power stations including Gladstone, Stanwell and Tarong, identified requirements for alternative ash crusher spares to replace the OEM parts. Employing the 3D scanner technology, Berg were able to offer alternative solutions designed to suit customer's lead-time and wear requirements and manufacture spares for ash crusher housings, cases, shafts, roll halves bearings and support halves. The ash crusher housings alone have demonstrated 49% savings on OEM cost for Bergs clients and provided significantly shorter delivery schedules.





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.



Other Services

- Replacement gears, shafts and gearboxes including Cooling Tower Gearboxes,
- Coal Pulveriser Parts and Refurbishments,
- Burner Nozzles,
- Valve Manufacture and Refurbishment,
- Ball and Gate Valve Overhauls,
- Mobile equipment spares and repair management.

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.

PROJECT SPOTLIGHT

Sea Water Intake Pump for Offshore Power Station

The OEM pumps had issues with reliability due to corrosion and replacement parts were costly with long waiting periods; the client needed a solution to extend the life of the pump and reduce costs. Berg were able to design and manufacture a new pump that featured advanced non-metallic column bearings and specific material selection to ensure a reduction in the surface area effect of galvanic corrosion. This new design offered the client a number of benefits including increased reliability, less maintenance material cost and labour hours and greater ease in identifying and ordering spare parts and rebuilding on site.



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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