

COMPREHENSIVE
FLUID POWER
SERVICES AND SOLUTIONS



THE HOME OF HYDRAULICS
IN AUSTRALIA

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➤ **NATIONWIDE SUPPORT. END-TO-END SERVICES. UNRIVALLED HYDRAULIC EXPERTISE.**

For over three decades, Berendsen Fluid Power has been the name behind some of Australia's hardest-working industries. As the nation's largest locally-owned hydraulic services provider, we deliver end-to-end hydraulic solutions that keep businesses moving. From equipment repairs to custom hydraulic system design - wherever you find Australian industry at work, you'll find Berendsen providing solutions that enhance productivity and reduce downtime. With fully-equipped locations across Australia, Berendsen offers unmatched

support to multi-site organisations, ensuring seamless service and reliable solutions at every turn. Our facilities and stringent quality control processes guarantee superior performance and longevity, whether it's a custom-engineered hydraulic system or a refurbished cylinder.

Our ongoing investment in technology, people and processes ensures we continue to evolve, delivering innovative solutions with a relentless focus on reliability, quality and efficiency. Because every second counts!



» BERENDSEN'S POWER POINTS:



End-to-End Hydraulic Solutions for All Fluid Power Needs

From large industrial operations to small-scale users, our capacity to deliver customised hydraulic solutions is unmatched in the market.



Comprehensive In-House Capabilities

We control the entire repair and production process with modern repair facilities, CNC machining, advanced hardchrome plating and more - ensuring quality and quick turnaround.



World Class Hydraulic Engineering and Manufacturing

We design and manufacture custom hydraulic solutions - from bespoke hydraulic cylinders and power units to turnkey hydraulic systems for specialised applications.



Direct Access to Global Brands

As a tier-one distributor, we provide you with on-demand access to leading hydraulic products dispatched rapidly from our fully-stocked warehouses with fast, efficient transport and logistics.



National Presence, Local Expertise

Our extensive branch network has a proven track record supporting major multi-site operations across Australia, including industry giants like BlueScope, Rio Tinto, BHP and Visy.



➤ HYDRAULIC REPAIR AND MAINTENANCE

Berendsen is recognised as one of Australia's most trusted names in hydraulic repairs. With specialised repair centres strategically located across the country, we have the nationwide capacity to handle all hydraulic repair needs, regardless of brand or equipment type.

Our repair centres are equipped with high-capacity overhead cranes, purpose-built disassembly rigs, CNC machines, advanced welding systems and precision hydraulic test rigs to ensure quality repairs for even the most complex hydraulic components.

➤ Fully equipped locations nationwide

Combined workshop space of 15,000m² across 5 states

➤ Fully digital repair workflow

All repair steps are recorded and monitored for increased efficiency and reduced repair times

➤ End-to-end in-house repair capabilities

All repair processes are performed in-house for increased efficiency and quality control

► HYDRAULIC CYLINDER REPAIRS

We specialise in repairing all types of hydraulic cylinders, with a particular focus on large, complex cylinders used in surface mining equipment such as loaders, excavators and dump trucks, as well as extra-long cylinders found in mobile cranes and recycling equipment. To handle these demanding repairs, our modern, fully-equipped repair centres are purpose-built to manage large and heavy components with ease.

Hydraulic Cylinder Repair Capabilities:



Powerful overhead gantry cranes for safe handling of large components.



Special-purpose disassembly equipment including hydraulic nut cracking equipment and torque multipliers to handle very long, large bore cylinders.



In-house boring, CNC milling and machining for precision repairs.



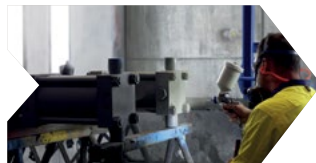
In-house hardchrome plating for extremely long cylinders up to 12m in length.



High-speed CNC machines are employed to rapidly manufacture all cylinder components in-house.



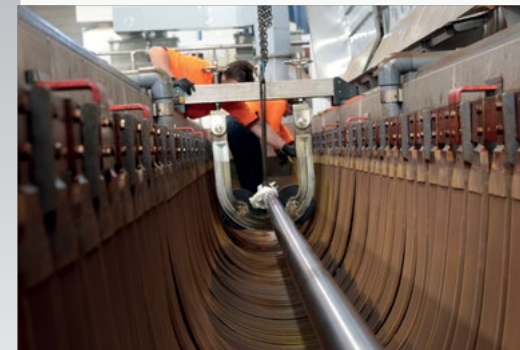
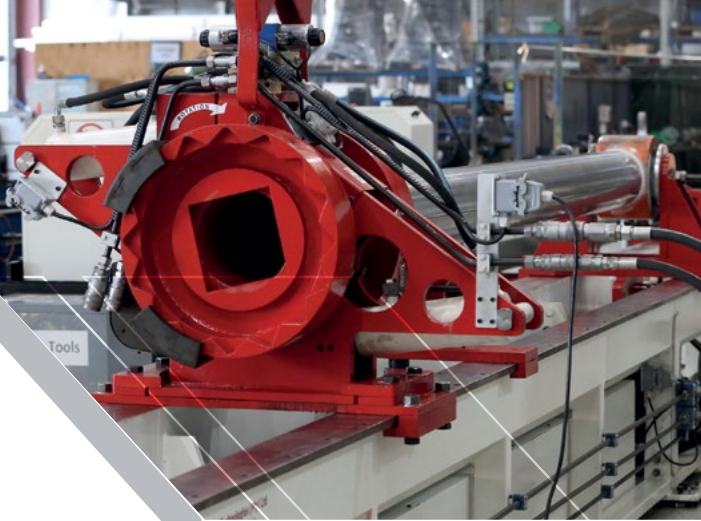
Sourcing of high quality seals in a wide range of materials and custom manufactured to exact specifications where necessary.



In-house paint shops for a professional, protective finish.



In-house honing up to 13,000mm length and 650mm diameter



► HYDRAULIC CYLINDER UPGRADES

Cylinders not meeting your running hour expectations? Our in-house Engineering Department has the capability to analyse components and recommend improvements in design to maximise service life. Additionally, our in-house manufacturing division can manufacture these upgraded components to our Engineers' specifications in an end-to-end process that ensures quality.

SOFTWARE-DRIVEN RELIABILITY ENGINEERING PROCESS

All Component Designs Fully Validated Before Manufacturing

Our engineering and design workflow utilises best-in-class software to maximise efficiency and precision. We employ PARO HydroSym™ and HydroMan™ for intelligent schematic creation, SIEMENS Solid Edge™ for detailed 3D mechanical modelling, Solid Edge Simulation FEA (FEMAP) and MathCAD for analysis and design validation.

1 FAILED COMPONENT ANALYSIS

3 FEA SIMULATION TESTING

2 FAILED COMPONENT RE-ENGINEERING

4 NEW COMPONENT MANUFACTURE

5 RE-ASSEMBLY AND TESTING

➤ PUMP, MOTOR AND VALVE REPAIRS

Our workshops are equipped with state-of-the-art hydraulic pump, motor and valve repair facilities, enabling us to deliver high-quality repairs that meet your operational needs. Our stringent repair procedures guarantees that each repair follows the manufacturer's exact requirements for disassembly, inspection, repair, reassembly and testing. This precision-focused approach ensures your equipment achieves optimal performance and longevity.

Repair Capabilities:

- Dedicated cleanroom facilities for precision assembly
- Hot-wash, sandblasting and lapping to prepare components for reassembly
- Comprehensive test rig facilities:
 - Variable speed
 - Open and closed loop testing
 - Up to 250kW power
 - Up to 420 bar max pressure
 - Up to 500 l/min max flow



➤ 24/7 MOBILE HYDRAULIC SERVICES

Our fully equipped service vehicles act as mobile hydraulic workshops, ready to mobilise to remote locations. Each vehicle is stocked with the tools and critical spare parts required to resolve common issues on-site, ensuring fast and efficient repairs.

We specialise in the maintenance of industrial hydraulic systems, process equipment, mobile machinery and lubrication systems across mine sites, manufacturing plants and other industrial environments throughout Australia.

From system installation and commissioning to preventative maintenance, shutdown services and equipment overhauls, we've got you covered. When emergencies strike, our rapid-response breakdown teams are on-call to minimise your downtime.

Mobile Hydraulic Services:

- 24/7 emergency support
- Installation and commissioning
- Shutdown and preventative maintenance programs
- Troubleshooting and diagnostics

We work closely with clients to deliver tailored maintenance programs that adapt to your evolving needs, performing routine maintenance with minimal disruption to operations.



➤ CYLINDER SERVICE EXCHANGE

Reduce downtime with Berendsen Fluid Power's Hydraulic Cylinder Service Exchange Program; designed to keep your equipment running with minimal interruption. This program provides readily available, fully refurbished cylinders that can be quickly swapped in for your worn units, eliminating delays during the repair process.

Each exchanged cylinder is expertly rebuilt to meet stringent OEM specifications and undergoes rigorous testing to ensure reliable performance.

- Fleet of 120+ models available
- Suitable for CAT, Hitachi, Komatsu, Terex and Sandvik dozers, dump trucks and more
- Fast delivery serving the Hunter, Pilbara, Bowen Basin regions and more
- All cylinders repaired to meet OEM specifications
- No exchange fees
- pay only for repair

➤ **RIGID DUMP TRUCKS**

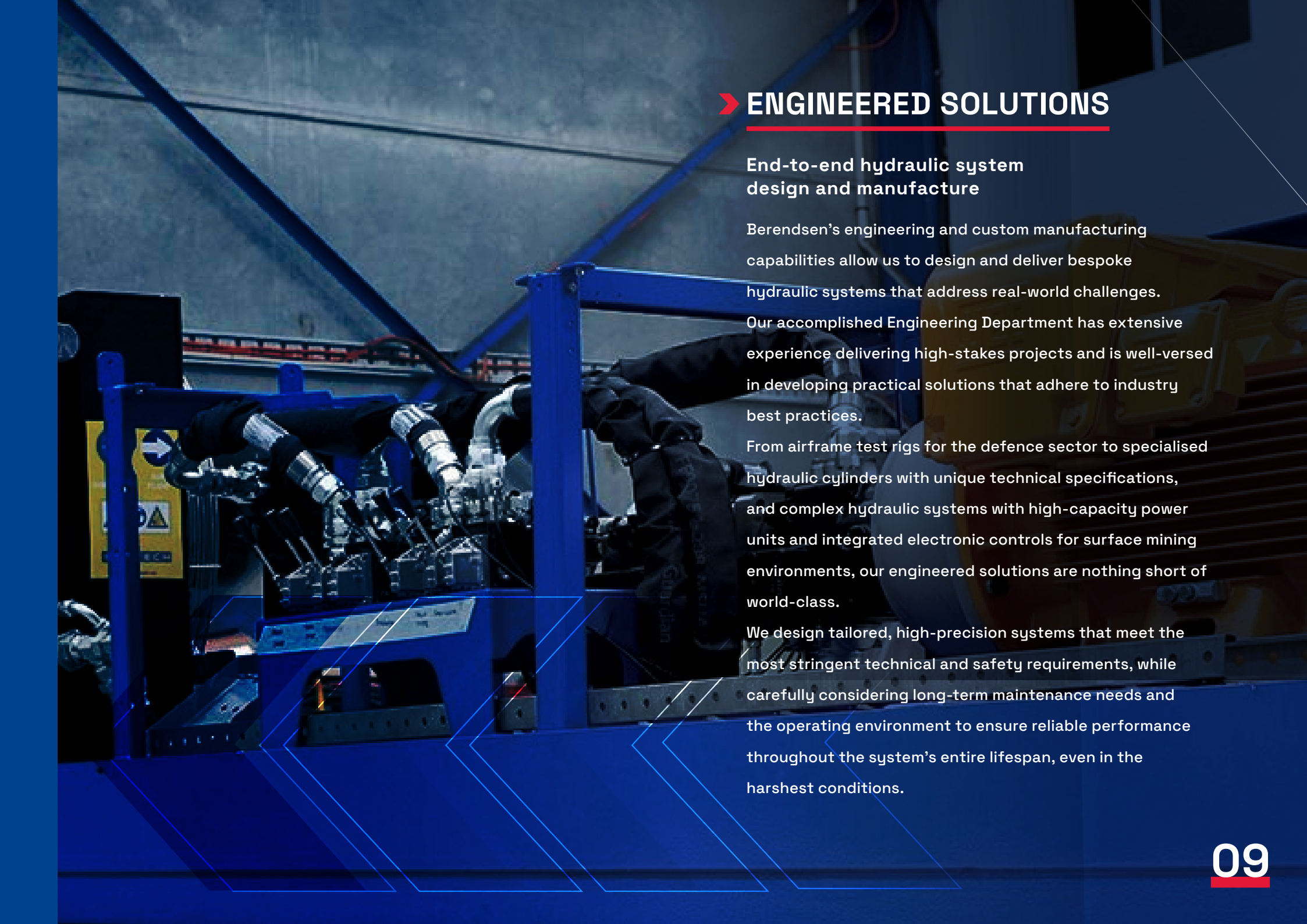
➤ **GRADERS**

➤ **ARTICULATED DUMP TRUCKS**

➤ **DOZERS**

➤ **LOADERS**

➤ **EXCAVATORS**



► ENGINEERED SOLUTIONS

End-to-end hydraulic system design and manufacture

Berendsen's engineering and custom manufacturing capabilities allow us to design and deliver bespoke hydraulic systems that address real-world challenges. Our accomplished Engineering Department has extensive experience delivering high-stakes projects and is well-versed in developing practical solutions that adhere to industry best practices.

From airframe test rigs for the defence sector to specialised hydraulic cylinders with unique technical specifications, and complex hydraulic systems with high-capacity power units and integrated electronic controls for surface mining environments, our engineered solutions are nothing short of world-class.

We design tailored, high-precision systems that meet the most stringent technical and safety requirements, while carefully considering long-term maintenance needs and the operating environment to ensure reliable performance throughout the system's entire lifespan, even in the harshest conditions.

➤ CUSTOM HYDRAULIC ENGINEERING

Whether you're considering updating legacy hydraulic systems with modern principles for increased efficiency and performance, or facing an engineering challenge that requires innovative thinking, Berendsen's Engineering Department will work with you to develop a tailor-made solution that meets your needs.



➤ IN-HOUSE MANUFACTURING

With integrated engineering and manufacturing divisions, we streamline the design-to-production process. Our ISO 9001 manufacturing hub in Newcastle, NSW features state of the art CNC machinery and works closely with our Engineering Department to manufacture specialised components and build turnkey systems to precise requirements in an efficient process with meticulous quality control.





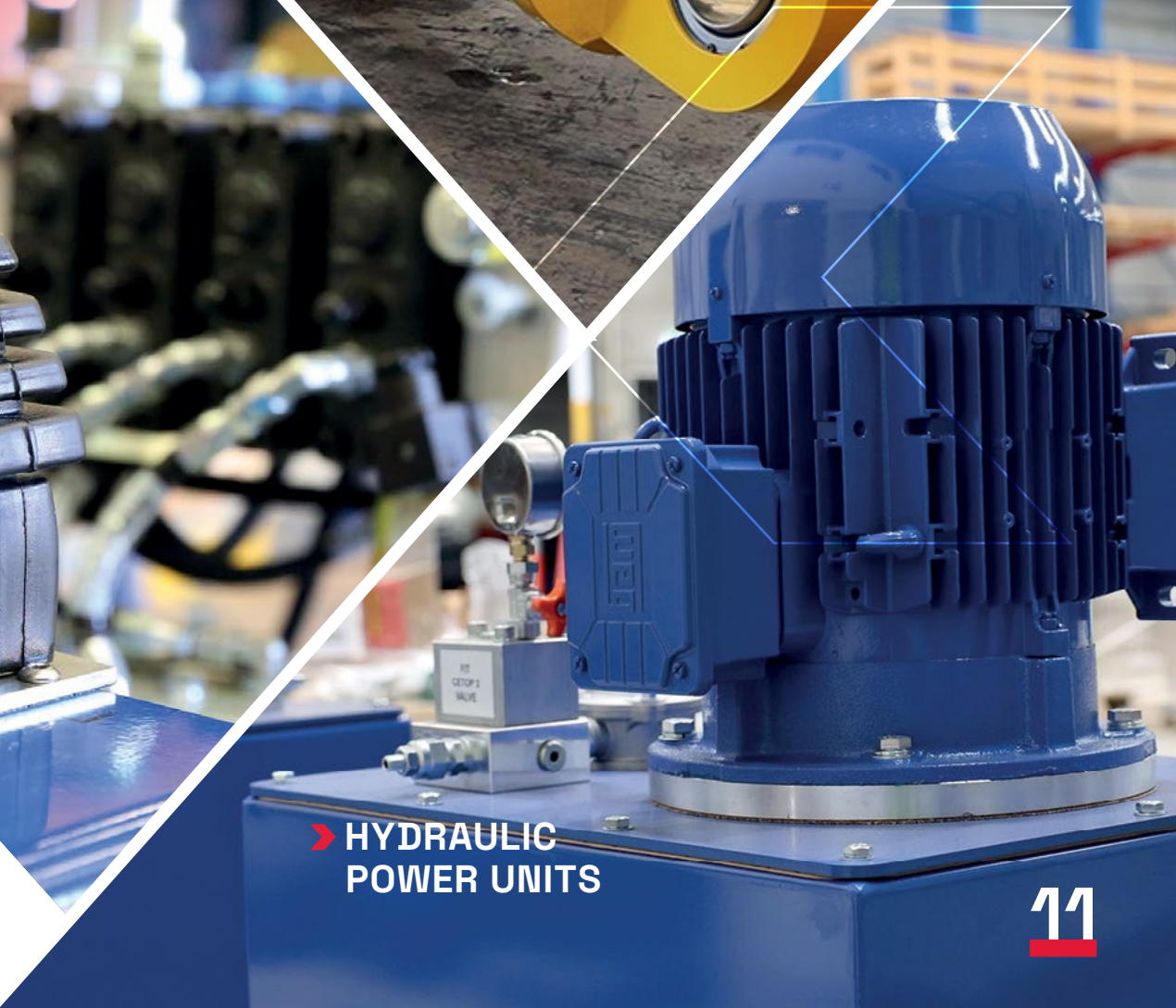
► **HYDRAULIC
CONTROL SYSTEMS**

A close-up photograph of a hydraulic control panel featuring three black, ergonomic levers with red indicator lights at their bases. The panel is mounted on a blue metal frame. The background is a blurred industrial setting with various machinery.



► **CUSTOM HYDRAULIC
CYLINDERS**

A large, yellow, custom-made hydraulic cylinder is shown in a factory setting. It has a long, cylindrical body with various ports and a large circular end flange. The background shows other industrial equipment and a warehouse-like environment.



► **HYDRAULIC
POWER UNITS**

A blue hydraulic power unit is shown, featuring a large blue electric motor with cooling fins. It is mounted on a blue base plate. A pressure gauge and a small valve are visible on the side of the unit. The background is a blurred industrial setting.

► PIPEWORK FABRICATION AND INSTALLATION SERVICES

Berendsen's engineering and manufacturing capabilities extend to the design, fabrication and installation of custom pipework solutions for hydraulic and lubrication systems. With a proven track record in building and commissioning complex systems, and a nationwide service team, Berendsen is ready to ensure end-to-end production, deployment and testing countrywide.

Our comprehensive service offering includes:

- Pipework design – tailored solutions for efficient system performance
- Supply and fabrication – high-quality pipe, hose and fittings
- Installation – expert execution, even in challenging environments
- Pressure testing – NATA-accredited (ISO 17025) high-pressure testing
- Ongoing maintenance and emergency callout services

Equipped with best-in-class pipe cutting, precision bending and testing equipment, our team of mechanical engineers, and hydraulic technicians are prepared for the most demanding pipe routing and installation challenges. We uphold the highest standards of safety, quality and accountability, ensuring all testing and fabrication meet or exceed Australian Standards.

➤ ACCESS TO TOP HYDRAULIC BRANDS

As a tier-one importer, we source leading hydraulic products directly from manufacturers, giving you access to the highest quality product at the most competitive prices. Our robust nationwide logistical network and strong partnerships with top hydraulic brands enable swift delivery of replacement parts, no matter where they are needed.

Our range includes:

- Accumulators
- Cylinders
- Filtration
- Instrumentation
- Manifolds
- Motors
- Pumps
- Valves

Expert advice, deep product knowledge

Berendsen's hydraulic experts can offer comprehensive technical advice on any product. Drawing on a wealth of industry knowledge, our people can assist you to make the correct component selections or provide technical information where needed. In addition, should you have a bigger Engineering Department challenge, our world-class engineering department can offer valuable insight that will guide your design choices and help make systems more powerful, more efficient and more reliable in the long term.



Danfoss Char-Lynn®



➤ Power Team



➤ DANFOSS POWER SOLUTIONS *Danfoss*

Berendsen Fluid Power is the premier Danfoss distributor in Australia, delivering the full range of Danfoss products and solutions through our powerful nationwide network. Our extensive in-house capabilities ensure Danfoss customers receive end-to-end support; from expert service and repair to the world-class design and manufacture of complete hydraulic systems.



PUMPS



MOTORS



VALVES

Danfoss Plus+1®



The Danfoss PLUS+1® platform is a powerful solution that allows skilled engineers to design sophisticated control systems for virtually any application. Berendsen offers the complete portfolio of Danfoss PLUS+1® compatible products, with in-house mechatronics engineers capable of bringing any custom hydraulic design into reality with integrated machine control systems.

Danfoss Char-Lynn®



PLUS+1

PVG Valves



Berendsen offers the complete Danfoss PVG series - a modular range of proportional valve groups designed for precise hydraulic control across a wide variety of applications - which are assembled in our Danfoss compliant build centres.

From simple load-sensing systems to advanced, electronically controlled, load-independent setups, the PVG series delivers unmatched performance and flexibility.



► INSIDE OUR DANFOSS BUILD CENTRES

All Danfoss products are assembled and tested in our specialised Danfoss build centres according to manufacturer specifications. All builds are registered with Danfoss and come with full OEM warranties.

Dedicated Cleanroom Build Environment

Our cleanroom facilities minimise the risk of foreign body contamination during assembly and testing, ensuring the highest product integrity.

Complete Access to OEM Technical Data and Instructions

All product builds follow the exact procedures used at Danfoss manufacturing facilities, ensuring precision and compliance with OEM standards.

Calibrated and Tested Tooling and Equipment

Tooling, machines and testing devices are specified and calibrated to meet Danfoss' stringent requirements, ensuring every task is performed accurately.

Comprehensive Inventory of Danfoss Components

We maintain an extensive stock of PVG products, including seals, spools, coils and more, ensuring fast and efficient build and repair processes.

Strict Product Registration and Traceability

Each build is assigned a unique serial number and logged in Danfoss' global system, ensuring complete traceability and detailed build history.



➤ PALL FILTRATION



Nationwide service | Genuine products | Expert advice

Berendsen offers a full catalogue of genuine Pall products which are available for dispatch from our efficient warehouses within 24 hours.

As a Channel Partner distributor of Pall Filtration products and solutions into the Australian market, Berendsen Fluid Power's reputation, capability and national footprint enables us to enhance your experience with Pall products and solutions.



OIL PURIFIER SYSTEMS



FILTERS AND HOUSINGS



FLUID CONDITION MONITORS



Repairs and Maintenance

We offer quick turnaround repairs and maintenance of installed Pall equipment, such as oil purifiers and particle counters.



► INDUSTRY EXPERIENCE

As a leading provider of hydraulic solutions, Berendsen has extensive experience across diverse industries, from mining and manufacturing, to defence, construction, agriculture and beyond. Our processes adhere to strict industry standards for quality, safety, and compliance, and we have long-standing partnerships with some of Australia's most prominent companies, including BlueScope, Rio Tinto, BHP and Visy. Our team is highly skilled in servicing large-scale, multi-site operations across tightly regulated industries, ensuring that our clients' critical hydraulic systems remain reliable and efficient.



➤ **INDUSTRY EXPERIENCES**

SURFACE MINING

- Cylinder overhaul services for mobile mining equipment, including dump trucks (front and rear struts, hoist cylinders and steering cylinders), excavators (boom, stick and bucket cylinders), bulldozers (blade lift and tilt cylinders) and blast hole drills (feed cylinders)
- Off-site repair of special purpose cylinders for fixed plant applications including: stacker-reclaimers (luffing cylinders), crushers (tramp release cylinders), cardumpers (wheel lock and gripper cylinders) and filter press cylinders
- Supply of on-site hydraulic maintenance and shutdown services for fixed-plant hydraulic systems and lubrication systems including: belt winders, apron feeders, cone crushers, ball mills, SAG mills and filter presses
- On-site system flushing, oil sampling and analysis
- On-site inspection and charging of accumulators
- Off-site repairs for axial piston pumps, vane pumps and radial piston motors
- Design, supply and installation of turnkey hydraulic power units and lubrications systems customised to customer requirements
- Supply of filter elements, hydraulic consumables and spare parts



➤ **INDUSTRY EXPERIENCE**

LONGWALL MINING

- Supply and refurbishment of longwall mining cylinders, including leg cylinders, DA rams, base lift cylinders, flipper cylinders and side shield cylinders
- Supply and repair of cylinders for development equipment, including feed cylinders, shear cylinders, boom cylinders, steering cylinders and bucket lift cylinders
- Design, supply and installation of turnkey hydraulic systems for special purpose underground mining applications
- Equipment overhaul services for underground mining equipment, including roof supports, gas drainage drill rigs, roof bolters, shuttle cars and man cars
- Manufacture and supply of longwall filter stations
- Supply of filter elements, filter bags, hydraulic consumables and spare parts

MANUFACTURING

- Supply and refurbishment of special purpose, heavy-duty cylinders for use in industrial applications including: blast furnaces, casters, rolling mills, coilers, slitters, finishing mills, coke ovens, hydraulic presses and extrusion presses
- Design, supply and installation of turnkey hydraulic systems, customised to customer requirements
- Supply and installation of seamless steel tube or steel pipe
- Off-site repairs and testing of industrial piston pumps and high pressure vane pumps
- Supply of skilled hydraulic technicians for on-site maintenance and troubleshooting
- On-site system flushing, oil sampling and analysis
- On-site inspection and charging of accumulators



➤ INDUSTRY EXPERIENCE

CONSTRUCTION

- Cylinder overhaul services for construction equipment, including: dump trucks, excavators, graders, bulldozers, compactors, backhoes, asphalt pavers, mobile cranes and piling machines
- On-site hydraulic maintenance and shutdown services for fixed-plant hydraulic systems and lubrication systems, including: brick making plants, kilns, jaw crushers, bailers, batching plants, saw mills, hydraulic drives and hydraulic presses
- On-site inspection and charging of accumulators
- Transmission pump and motor repairs for concrete agitators
- On-site hydraulic system flushing, oil sampling and analysis
- Off-site repairs for axial piston pumps, vane pumps and radial piston motors
- Design, supply and installation of turnkey hydraulic systems tailored to customer requirements

INFRASTRUCTURE

- Hydraulic overhaul services for tunnelling equipment used in infrastructure projects such as Sydney's Western Harbour Tunnel, Spark North East Link and Sydney Metro West
- Overhaul and repair of hydraulic cylinders, including cutter boom lift cylinders, sumping cylinders, slew cylinder and stabiliser cylinders
- Inspection, testing and reconditioning of hydraulic valves, including directional control valves, pressure relief valves flow control valves and load-holding valves
- Full hydraulic system diagnostics and troubleshooting
- Component refurbishment and testing
- Custom replacement parts and seals
- Preventative maintenance programmes
- Supply of filter elements, hydraulic consumables and spare parts



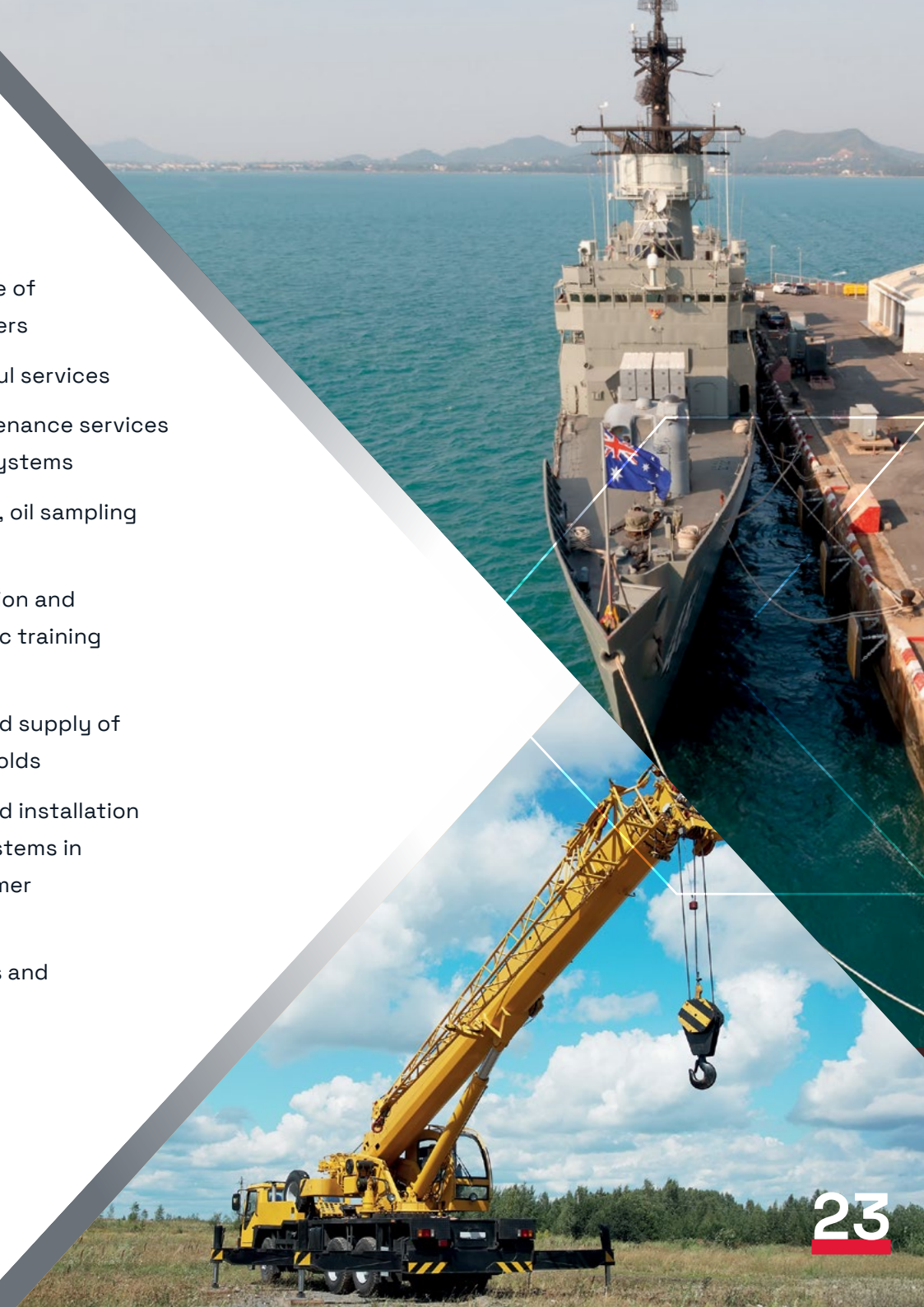
➤ INDUSTRY EXPERIENCE

CRANE INDUSTRY

- Hydraulic overhauls to a wide variety of mobile cranes including all-terrain cranes, rough terrain cranes, truck-mounted cranes and telescopic boom cranes
- Repairs to crane-specific hydraulic cylinders including: telescopic extension cylinders, luffing cylinders, outrigger cylinders, steering cylinders, suspension cylinders and counterweight cylinders
- Hydraulic system diagnostics and troubleshooting
- System flushing and contamination control
- Preventative maintenance programmes
- Supply of filter elements, hydraulic consumables and spare parts

DEFENCE

- Design and manufacture of special- purpose cylinders
- Off-site cylinder overhaul services
- On-site hydraulic maintenance services for laboratory testing systems
- On-site system flushing, oil sampling and analysis
- Refurbishment, calibration and certification of hydraulic training systems
- Design, manufacture and supply of custom hydraulic manifolds
- Design, manufacture and installation of turnkey hydraulic systems in accordance with customer requirements
- Supply of pumps, valves and rotary actuators



➤ **INDUSTRY EXPERIENCE**

ENERGY

- Cylinder overhaul services for coal fired power generation plants including slurry pumping cylinders and pulveriser cylinders
- On-site hydraulic maintenance and shutdown services for fixed-plant hydraulic systems and lubrication systems
- Routine hydraulic maintenance service for elevated work platforms
- Off-site repairs for axial piston pumps, vane pumps and radial piston motors
- On-site system flushing, oil sampling and analysis
- Manufacture and supply of stainless steel cylinders, power units and control systems for hydro-electric power generation
- Supply of filter elements, hydraulic consumables and spare parts

MATERIALS HANDLING

- Cylinder overhaul services for materials handling equipment, including forklifts, truck cranes, tower cranes, port cranes, container handling equipment, aircraft ground handling equipment, skip-bin trucks, tip trucks and hook-trucks
- On-site hydraulic system flushing, oil sampling and analysis
- Off-site repairs for axial piston pumps, vane pumps and radial piston motors
- Design, supply and installation of turnkey hydraulic systems, tailored to customer requirements
- Supply of filter elements, hydraulic consumables and spare parts





➤ INDUSTRY EXPERIENCE

AGRICULTURE

- Supply of low speed, high torque orbital motors used on agricultural implements and machinery
- Supply of standard agricultural cylinders and phasing cylinders
- Supply of cylinder overhaul services for heavy-duty agricultural applications including hay pressing plants, cotton gins and sugar mills
- Cylinder repair services for forestry equipment
- On-site hydraulic maintenance and shutdown services for sugar mills, hay plants and cotton gins
- Off-site repairs for axial piston pumps, vane pumps and radial piston motors commonly used on cane and wheat harvesters
- Design, supply and installation of product packages for bespoke agricultural machinery and implements including sowing and harvesting equipment, crop spraying equipment, baggers, spreaders and augers
- Supply of filter elements, hydraulic consumables and spare parts

WASTE AND RECYCLING

- Cylinder overhaul services and on-site hydraulic maintenance for waste recycling equipment, including bailing presses, hydraulic shears, metal shredders, hydraulic grabs, stationary compactors and screening equipment
- Cylinder repair services for mobile waste handling equipment including skip-bin trucks, tip trucks and hook-trucks
- On-site hydraulic system flushing, oil sampling and analysis
- Off-site repairs for axial piston pumps, vane pumps and radial piston motors
- On-site inspection and charging of accumulators
- Design, supply and installation of turnkey hydraulic systems, tailored to customer requirements
- Supply of filter elements, hydraulic consumables and spare parts

➤ CONTACT DETAILS

- **Adelaide**
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341 Macdonnell Rd, Clontarf,
QLD 4019
- **Richlands**
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20 Bernoulli St, Richlands,
QLD 4077
- **Bundaberg**
1800 704 205
8 Kay McDuff Dr, Bundaberg,
QLD 4670
- **Mackay**
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42-44 Southgate Dr, Paget
QLD 4740
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VIC 3175
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