

# Capability Statement

11 Sep 2020

# HYDAC PTY LTD



## INDUSTRIES SERVED

AUTOMOTIVE

CONSTRUCTION &  
ENGINEERING

DEFENCE

MINING

OIL, GAS & ENERGY

RAIL

STEEL

TRANSPORT

WATER

## Company Details

**Address:** 109-111 DOHERTYS ROAD  
ALTONA NORTH VIC, 3025 Australia

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**Ph:** +61 3 9272 8900

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**Fax:** +61 3 9369 8912

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**Email:** [info@hydac.com.au](mailto:info@hydac.com.au)

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**Web:** [www.hydac.com.au](http://www.hydac.com.au)

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**ICN Gateway Company ID:** 76238

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**Employees:** 9400

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**ABN:** 52 077 434 390

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**Locations:** 6

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**Local Manufacturer:** Yes

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**Foreign Manufacturer:** Yes

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**Works in Remote Locations:** Yes

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## Contacts

**Mr Peter Agius**

Ph: +61 3 9272 8907

Email: [peter.agius@hydac.com.au](mailto:peter.agius@hydac.com.au)

## HYDAC is much more than a hydraulic company.

### Summary

HYDAC International is a world leader in fluid technology, operating in over 50 countries with more than 9,000 employees and 500 sales and service partners worldwide.

HYDAC offers an extensive product range to cover all areas of fluid power including hydraulic filtration, accessories, hydraulic pumps, accumulators, valves, electronics, condition monitoring, process and compact hydraulic systems.

With unmatched expertise and service, HYDAC is the

competent partner throughout all industries such as mining, oil & gas, construction, agriculture, power generation just to name a few. Our focus is a global presence and local competence to ensure we have local technical solutions available in most countries.

HYDAC operates in both Australia and New Zealand, with world-class technical sales engineering offices in Melbourne, Sydney, Newcastle, Brisbane, Mackay, Adelaide, Perth and Auckland and a Centre of Excellence Design, Manufacturing and Training Centre in Melbourne.

### Description

HYDAC is much more than a hydraulic company. With a product portfolio which extends to fluid condition monitoring, filter systems, accumulators, cooling systems, heat exchangers, diesel filtration, fuel filtration, filtration skids, hydraulic skids, electronic sensor measurement and sensor calibration, we are hydraulics systems minded and solutions focused.

HYDAC specializes in Fluid Filtration and Condition Monitoring and we pride ourselves on being a partner in reducing Total Life Cycle Costs and downtime of plant and machines.

HYDAC Australia and New Zealand have more than 60 preferred partners who reach out to the most remote and regional centers in the country.

What differentiates us from the competition is the fact that we combine the excellence in service, quality products and technical support, and our goal is to provide the value for money our customers need. In order to achieve that, we go beyond components and systems, we also provide:

- . On-site Reliability Audit Program
- . Cleanliness solutions for oil & fuel
- . Worldwide approvals

- . Products and services under quality systems certified in accordance with ISO 9001:2015.
- . Products locally engineered, manufactured and tested
- . Tailor-made systems for the Australasian market
- . Engineering advice
- . Bespoke design and drawings
- . Oil analysis and calibration service in our own Laboratory & Calibration Centre of Excellence
- . Quick product availability with branches located close to you
- . Hands-on technical training and
- . Hydraulic Services.

Our Technical Training Courses are Nationally Accredited and the only one of its kind in Australia.

We offer the following courses in our Training Centre:

- . Basic Hydraulics-1
- . Maintain Hydraulics-2
- . Intermediate Hydraulics-3
- . Accumulators
- . Hydraulic System Cleanliness & Microscopic Analysis
- . Optimising Oil Condition Monitoring
- . Software & Systems for Hydraulic Power Unit
- . Practical Hydraulics - hands

- on
- Proportional Hydraulics
- Thermal Optimisation

#### HYDRAULIC SYSTEMS

Our state of the art hydraulic power units and lubrication systems with advanced fluid power, electronic and filtration technology will offer peace of mind. HYDAC is a leader in solution driven systems.

All systems are pressure tested and flushed to an ISO 4406 standard, suitable for all customers applications.

HYDAC is continuously developing the systems it markets and makes the design and construction of power units simpler and innovative.

#### COOLING SYSTEMS

Product knowledge is accumulated through technologically high standard test rigs, wind tunnel and other TUV certified equipment. Important performance tests in terms of heat exchange, pressure drop, air resistance, corrosion, resistance to the fatigue, noise, thermal-shock and vibrations are executed and analysed in our Centre of Excellence.

This CENTRE OF EXCELLENCE is highly specialised, not only in terms of its equipment, but also its processes and

software simulation tools (e.g. CFD, FEM and KULI).

#### LOCAL PRODUCTION

HYDAC has invested in local manufacturing. In 2011 and 2012 the local production of bladder accumulator and heat exchanger / cooling systems was completed. In 2013 we launched the hydraulic and lubrication systems design and manufacture for Australia and New Zealand.

Most recently, a Hydraulic Power Unit assembly line production has been launched and we are just putting in place a brand new hydraulic pumps test bench.

#### WAREHOUSING

HYDAC has branches in Melbourne, Perth, Sydney, Newcastle, Brisbane and Auckland.

Our warehouse is located close to you, that way products are available to you quicker. Also, our warehouse has the latest technology to make the transaction even smoother, such as: categorised stock, bar code in all the products, management inventory system, etc...

[www.hydac.com.au](http://www.hydac.com.au)

## Industries Served

- > Automotive
- > Construction & Engineering
- > Defence
- > Mining
- > Oil, Gas & Energy
- > Rail
- > Steel
- > Transport
- > Water

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## Accreditations

- > ISO 9001:2017
- > ISO 14001
- > ISO 29001
- > OHSAS 18001
- > AS 1210
- > IECEx
- > Pressure Equipment Directive 97/23/EG
- > ASME-Code (U-Stamp) for pressure vessels
- > KTA 1401-regulations
- > ISO/TS 16949 automotive engineering
- > Requirements for boiler and pressure vessel manufacturing license (China)
- > Standard 09130000 RMRS

## Products & Services

- > Hydraulic systems
- > Filter technology - systems and components
- > Hydraulic pumps, cylinders and accumulators
- > Electronics and condition monitoring
- > Control technology
- > Process technology
- > Cooling systems
- > Technical training centre

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## Facilities and Equipment

- > Manufacturing Facility
- > Hydraulic Service facility
- > Hydraulic Training Facility
- > Hydraulic Training Rigs
- > Electrical Test Equipment
- > Electrical Panel Assembly Benches
- > Variable Speed Drive Testing Unit for AC and DC up to 50-60hz and 100 volt to 690 volt
- > 100 KW Hydraulic test bench
- > 1 x 10 tonne over head crane
- > 1 x 4 tonne over head crane
- > Automated accumulator charging station
- > Calibration rig
- > 1 x Laser bottle oil sampling unit
- > 2 x Microscopes with built in cameras

## Major Clients

- > BHP
- > RIO TINTO
- > XSTRATA
- > INPEX
- > BMA
- > WOODSIDE
- > FMC
- > SANTOS
- > LIEHBERR
- > CATERPILLAR
- > ASC
- > Department of Defence
- > Thales
- > FALK (REXNORD)
- > SUZLON
- > VESTAS
- > LIQUIP
- > SKM
- > GHD
- > NEWCREST
- > ALCOA
- > ONESTEEL
- > BLUESCOPE
- > Anglo
- > Joy Global
- > Goldacres
- > Boral
- > Newcrest
- > South32
- > Naval
- > BAE
- > Winnellie Hydraulics
- > Fluid Power

## Previous Significant Projects

**2018**

**Electrical Control Panels  
\$400,000**

**Client: P&EES**

Design, manufacture and supply 400 Electrical Control panels in accordance to AS3000 to control Industrial and Residential Hot water systems

**2016**

**Bulk diesel fuel conditioning  
\$100,000**

**Client: Zenith Pacific**

Supply of particulate and dewatering filters for bulk diesel fuel supply to primary diesel driven generator sets.

**2016**

**Bulk fuel filtration  
\$125,000**

**Client: Rio Tinto Iron Ore**

Supply of filter elements (60" long) for filtration of bulk diesel fuel being supplied to Rio Tinto Iron Ore mine sites.

**2016**

**Offshore Cape Three Points - OCTP Ghana  
\$200,000**

**Client: Icon Engineering - Western Australia**

Engineering & delivery of a 15 ton winch hydraulic power unit (HPU) equipped with 170 kW drive with a 1000L oil reservoir. The HPU skid weighed in at approx. 4 tons.

**2018**

**Power Station Diverter System  
\$800,000**

**Client: BALTEC**

Design, Manufacture 10 x Hydraulic Power Units  
Design, Manufacture 10 x Electrical Control Systems

**2016**

**4.5 MVA Standby GEN-SET Power Units for  
Capital Square Perth Biggest Tower - Western  
Australia  
\$200,000**

**Client: PENSKE Power Systems, NDY: Norman  
Disney & Young, WoodSide Energy**

Full Engineering Development: Design, Produce, Test & Deliver - 2pcs turn-key GEN-SET Cooling Systems Packages for 2 Generator Sets Diesel Engines MTU 20V4000G23 - 2'200 kW Generated Power back up unit for the Capital Square Tower Electrical Systems.

**2016**

**Fuel and lubrication oil filtration  
\$175,000**

**Client: Australian Submarine Corporation**

Supply of mobile filtration packages for the filtration of fuels and oils on board submarine.

**2015**

**Bulk fuel and lube oil filtration  
\$300,000**

**Client: Westrac CAT, Tomago**

Supply of all filtration packages together with on line particle counters for new Westrac CAT Star 5 facility to achieve oil and fuel cleanliness.

2015

**Exxon Mobil Longford Gas Conditioning Plant  
\$200,000**

**Client: AusCold Howden - Exxon Mobil - New South Wales**

Engineering & delivery of 1 x API 614 Lubrication Oil Skid & 1 x API 682 Plan 53 B for Howden Propane Screw Compressor Package in accordance to XOM's GP 10-14-01 complete with document package.

The lube oil skid designed for operating temperature range of -6 deg C to 50 deg C includes 2 x Hydac stainless steel Air Blast Coolers, 2 x lube oil pumps, 200L oil reservoir, 3 kW oil heater & Rosemount transmitters.

2014

**Cape Lambert Port A & B Expansion - Western Australia  
\$2,500,000**

**Client: FALK Australia, SKM: Sinclair Knight Merz, Jacobs Engineering Group, Rio Tinto**

Full Engineering Development: Design, Produce, Test & Deliver - 47pcs Full turn-key Lube Systems for Gearboxes Cyclone Proves from 500 to 2000 kW Gearboxes Drive motor power.

The products are composed of: Skid, Air Blast Cooler, Dual Filtration, Low Noise Screw Pumps, Electrical Junction Box, Flow Meter and special Cyclone Proves structure.

2014

**Ichthys - FPSO Project  
\$1,000,000**

**Client: OSOMOFLO**

The supply of 2 process sea water self cleaning filters.

2015

**Tempered Water Filtration Skids  
\$300,000**

**Client: WoodGroup PSN, VIC**

Engineering & delivery of 2 x water filtration skids (1 x hazardous area + 1 x non-hazardous area) equipped with Hydac's PLF-1 filter up to 1 micron filtration rating to clean up existing tempered water system (main cooling water circuit at XOM PNG LNG), isolation valves, Goulds pump complete with document package.

2015

**Viva Energy  
\$300,000**

**Client: ITT Blakers, Victoria**

Engineering & delivery of 2 x API 614 Lubrication Oil Skids ITT Goulds pump packages complete with document package in compliance to Shell's DEP 31.29.60.32.

The lube oil skid designed for operating temperature range of -6 deg C to 50 deg C includes 2 x Hydac stainless steel Air Blast Coolers, 2 x lube oil pumps, 200L oil reservoir, 3 kW oil heater & Rosemount transmitters.

2014

**Cooper Basin Artificial Lift for Enhanced Oil Recovery  
\$200,000**

**Client: General Petroleum Oil Tools - Queensland**

Diesel Hydraulic Power Unit and Rod Lift System  
More information: TBA



2012

**Fokker 50 and Fokker 100 Flight Simulators for  
FIFO Pilot training from Skywest Airlines -  
Western Australia  
\$200,000**

**Client: Aussie Fluid Power, Skywest Airlines**

Full Engineering Development: Design, Produce, Test & Deliver - 2pcs Full turn-key Cooling Systems for the Simulator Hydraulics Control System.

The Cooling System is composed by 10kW Chillers together with a 20kW Air Blast Cooler and a 20 kW Plate Heat Exchangers.

The system is fully cybernetic and controlling the actuation of the 3 cooling components in function of the ambient temperature and the Hydraulic Load Conditions.

2013

**Port Hedland - Western Australia  
\$200,000**

**Client: SEW Eurodrive, Port Hedland Authority**

Full Engineering Development: Design, Produce, Test & Deliver - 5pcs Full turn-key Lube Systems for Gearboxes Cyclone Proves for 650 kW Gearboxes Drive motor power.

The products are composed of: Skid, Air Blast Cooler, Dual Filtration, Low Noise Screw Pumps, Electrical Junction Box, Flow Meter and special Cyclone Proves structure. 200k \$ project value.



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