

Allied Pumps

Dewatering Capabilities

08 9350 1000 | alliedpumps.com.au

Every mine depends on moving water, above and below ground. For over 30 years, we've built the systems behind it.

OUR FACILITIES

Design, manufacture and testing are all done in-house across over 15,000 square metres at our Canning Vale headquarters, where our purpose-built test facility offers:

- Flows up to 700 L/s
- Test up to 3 Pumpsets Simultaneously
- Capacity for Containerised Pumpsets
- NATA Calibrated, AS 2417 Testing



AS 2417 certified test rig



In-house fabrication



In-house electrical assembly

OUR EXPERIENCE

Allied Pumps works with Tier 1 mining companies in Australia and overseas, delivering innovative water management solutions for dewatering, water transfer and supply. Our extensive range covers every pumping requirement, from small standpipe and pump packages through to complete bore field solutions

Power and control are engineered alongside the pumps as one integrated package, backed by a global and local supply network. Our team works with your engineers from concept to commissioning, then supports each system on the field. Capabilities include:

- Design and Drafting
- Project Management
- Global and Local Procurement
- Manufacture and Quality Control
- Installation and Commissioning
- SCADA and Remote Monitoring
- Field Service and Maintenance

QUALITY ASSURANCE ISO 9001:2015 CERTIFIED

HEALTH & SAFETY ASSURANCE ISO 45001:2018 CERTIFIED

ENVIRONMENTAL ASSURANCE ISO 14001:2015 CERTIFIED

From dewatering trailers to booster stations, our recent work shows what packaged, site-matched power and pumping delivers to clients' operations.



PILBARA DEWATERING

Trailer-mounted GENVAR-VSG units carrying generator, bore headworks and pump, designed, built and tested in house to client specification.



ARGENTINA UNDERGROUND MINE

9x DAQUA booster stations used for dewatering operations in an underground mine located in Argentina.



BHP MAC DEWATERING TRAILERS

Trailer-mounted GENVAR-VSG units with fuel pods and accessories, powering bore dewatering at Mining Area C through site pipework.



PILBARA VAC PRIME PROJECT

2x trailer-mounted Vac-Prime Pumpsets designed and manufactured in-house for deployment in the Pilbara region.



ER & MW DEWATERING TRAILERS

14x trailer-mounted GENVAR-VSG units, each fitted with fuel pods and accessories, lined up and ready to deploy on dewatering duty.

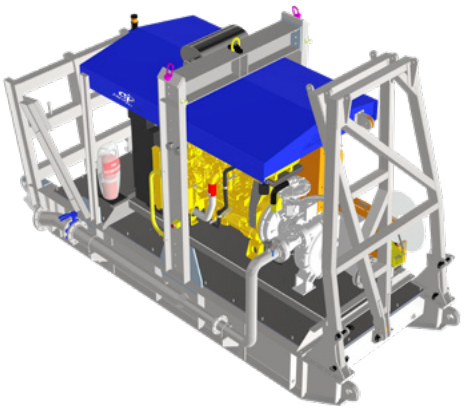


HydroPRIME

Custom designed and built to client and site requirements, our vacuum prime pumpsets deliver turnkey mine dewatering with minimal set-up. Plug-and-play interfaces keep operation simple, while every unit is built to handle the heat and dust of mine sites.

BUILT TO YOUR DUTY

Each pumpset is configured to its site and duty, with low, medium or high head pumps in cast iron, 316 stainless (CF8M), super duplex (5A) or other materials. Drive options include electric motors with DOL or VSD start, or diesel engines from Cummins, CAT, Perkins, and Volvo.



KEY FEATURES

- Custom Built to Client and Site Requirements
- Turnkey Package with Minimal Set-Up
- Plug-and-Play Interface
- Built for High Temperatures and Dust
- Tested on AS 2417 Certified Test Rig

PRODUCT OPTIONS

- Skid, Trailer or Pontoon Mounted
- Electric Motor or Diesel Engine Drive
- Suction Boom and Canopy
- Railing, Solar Panels and Work Lights



GENVAR-VSG

The generator varies its engine speed to track site load, producing only the power required. Often trailer mounted with integrated headworks, the plug-and-play setup makes it a complete off-grid dewatering solution.

FLEXIBLE DEPLOYMENT

Running only as fast as the load requires cuts fuel consumption and emissions, plus avoiding constant high RPM reduces mechanical stress across the service life of the engine. Under partial load the VSG is more efficient than both fixed speed generators and variable speed drives.

Every unit is built for dusty environments with high ambient temperatures, and fitted out to mine spec with a 4.5m mast carrying a flashing alarm or running beacon, site signage, work lights and a fire extinguisher. Control hardware is specified to suit your site, with Schneider or Allen Bradley PLCs available.

KEY FEATURES

- Dual Skin Control Panel Reduces Heat Loading
- Client-Accessible Programs
- Pipework in HDPE, Galvanised or Duplex
- Pipework Sizes From 50 to 300 mm NB
- AS 1657 Stairs, Walkways and Blast Cage

PRODUCT OPTIONS

- Variable Speed, 60 to 600 kVA at 30 to 50 Hz
- Powered GPS Module
- Extended-Capacity Fuel Tanks
- Removable Fold-Down Handrail

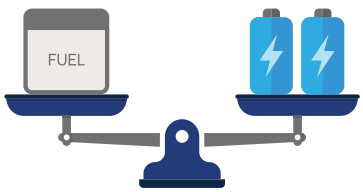


GENVAR-BLUE

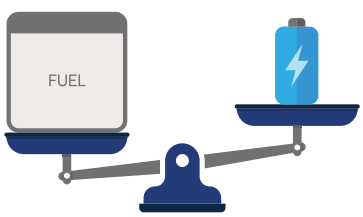
Hybrid power by pairing a GENVAR genset with a large-capacity BESS. Intelligent balancing of output against demand removes the need for dummy loads, cutting fuel use and maintenance on hydrocarbon equipment.

CHOOSE YOUR BALANCE

GENVAR-BLUE is fully customisable, so you set the fuel-to-battery ratio that suits your site. Whether you need a 50/50 split for maximum efficiency or a different configuration, the GENVAR-BLUE adapts.



Battery weighted, for variable and low-demand loads



Fuel weighted, for sustained high loads

KEY FEATURES

- Battery Energy Storage System (BESS)
- Battery Management System, Real-Time Control
- Three-Phase Hybrid Inverter
- Stat-X Fire Suppression Technology
- Eliminates Dummy Loads and Wet Stacking

PRODUCT OPTIONS

- Available From 60 to 300 kVA
- Flexible Fuel-To-Battery Ratio
- Configured to Site Load Profile
- Reduced Hydrocarbon Maintenance



DAQUA

An underground booster station with duty and standby centrifugal pumps built for abrasive fluids. Its modular design follows the advancing mine face, replacing multiple progressive cavity pumps at lower operating cost.

LOWER OPERATING COST

Progressive cavity pumps bring high repair and spare parts costs. DAQUA's centrifugal pumps use lower-cost spares, turn around faster in maintenance and travel to site on a utility vehicle. Standard specifications:

- Discharge Pressure up to 250 m
- Flow Rate of 500 m^3/hr (140 L/s)
- Standard model weight is 2980 kg
- Cast Iron, S/S, High Chrome or Duplex



KEY FEATURES

- 9 m^3 Baffled Capture Tank
- Two Low rpm, High Pressure Centrifugal Pumps
- Agitator for Mixing and Suspending of Solids
- Pumps can be Belt Driven or Direct Coupled
- Standard 1000V Motors

CONTROL PANEL

- AS3000.2018 and AS61439.1 compliant
- Short Circuit, Overcurrent Protection
- Auto Control via 7" Industrial Touch Screen
- Mild Steel IP56 Enclosure (White, Blue, Orange)

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Mining & Industrial

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