

Innovation Powered by Air



1300 ONE AIR 1300 663 247 | pneumatic.com.au



Supplying WA For Over 40 Years

Pneumatic Engineering is a Western Australian owned and operated company specialising in pneumatics since 1978. Being an independent and privately-held organisation that has strong customer focused values provides our clients with much needed flexibility and ensures they are always at the forefront of our minds.

Our comprehensive offering includes sales, service, hire and customisation of all makes and models of compressors, blowers, dryers, air filtration and other related auxiliaries. We work across many business sectors including mining, construction, oil and gas, food and beverage, medical, agriculture, water treatment and power generation.

These products and services are backed by our highly skilled team of employees who are committed to finding innovative and world-class solutions, particularly when it comes to product customisation to meet our clients unique specifications.

We stock a wide range of high-quality machinery and equipment in our well-resourced workshop. Our business has an ability like no other, with all equipment purchased or repaired through Pneumatic Engineering up to 250kw tested in house prior to being returned for operation. This ensures no unplanned delays and a successful repair.

Our service department runs 24 hours a day, 7 days a week, with our fleet of mine equipped service vehicles ready to assist with emergency break downs or planned servicing. In the event equipment is unserviceable or inoperable during peak periods of operation, our large hire fleet is ready to transport to site.

Pneumatic Engineering has gained ISO 9001:2015 and operates a rigorous management system. We understand our client's remote locations and onsite challenges and are committed to the occupational health and safety of all our employees as well as minimising potential impacts on the local environment and community. Our systems also meet the requirements of AS/NZ4801 and ISO 18001 and we are always striving for continual improvement across our operations.

With the ability to work across many reputable brands across all areas of our business, we are the only company in the industry who has the objectivity and flexibility to be able to offer the best solution to your pneumatic needs.

Join our list of valued clients today.



Products

As Western Australia's leading supplier of air compressors, blowers and filtration, we stock a wide range of high-quality machinery and equipment.

With the flexibility of being able to supply all brands and products, let us do the ground work and get all your needs from the one location. All this with the confidence its being delivered by one of the longest running compressor companies in Australia.



Compressors

- Rotary Screw Compressor
- Diesel Compressors
- Piston/Reciprocating Compressors
- Oil Free Screw Compressor
- High-pressure Compressor
- Boosters
- BA Compressors



Blowers

- Vacuum Blowers
- Lobe Blowers
- Screw Blowers



Dryers

- Refrigerated Dryers
- Desiccant Dryers
- Membrane Dryers
- Thermal Mass Dryers
- Heat Regenerative Dryers



Filters

- Filter Packages
- Inline Filters
- Particle Filters
- Coalescing Filters
- Sterile Filters
- Carbon Towers
- Breathing Air Filters



Auxiliaries

- Condensate Treatment
- Condensate Drains
- Auto Drains
- Air Receivers
- Pressure Relief Valves
- Pressure Gauges

Service

Repair, Maintenance & Inspection

To ensure your business has no delays, it is important to keep your assets maintained and in operational condition. We can manage and maintain your compressor, blower or dryer including the distribution, to a level that best suits your application. Whether you have one compressor or multiple, we have the highly skilled team to do the job.

If you find yourself in the unfortunate position where one of your costly assets requires repair, Pneumatic Engineering has experience with ELGI, Kaeser, Atlas Copco, Ingersoll Rand, Champion, Sullair, Abac, Comp Air, Gardner Denver, Sutorbuilt, Donaldson and more. The repair could be as simple as fault finding and repairing an electrical sensor to a complete compressor overhaul.



Hire

Our large fleet is built up of Electric and Diesel driven Compressors. Meeting the HSE requirements these can be used onsite or in your local factory.

To compliment the hire fleet, we stock a range of Air Dryers and specialised Filtration so even the strictest of air quality can be supplied on a short or long term agreement.

Hire can allow you to control your capital expenditure and have no maintenance hassles. Included in the hire costs our technicians will come and complete the servicing, so you don't have to.



Our Projects

INDUSTRY

Agriculture

CLIENT

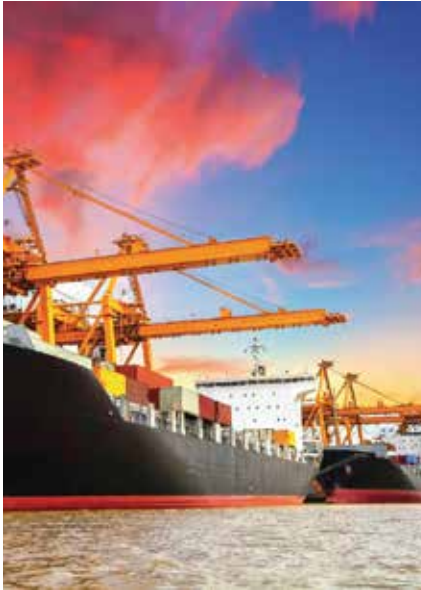
CBH

LOCATION

Kwinana & Geraldton load out facility

REQUIREMENT

Source and install compressed air system to with stand the harsh salt water and sea air and reduce down time.



SOLUTION

A skid arrangement was designed to allow for easy installation and removal from the ship loader for maintenance purposes. The electrical components and compressor had a special coating to minimise corrosion and rust from the sea air. Installation was completed over six years ago with only routine servicing and maintenance completed.

INDUSTRY

Water Treatment

CLIENT

Water Corporation

LOCATION

Collie Waste Water Treatment Plant

REQUIREMENT

Replace current blower arrangement to reduce noise, as treatment plant is located in a residential area, as well as allow for large fluctuations in the treatment of water.



SOLUTION

Installation of two air blowers designed in a modified silenced cabinet, for further noise reduction over standard noise reducing cabinets. An acceptable 64 decibel noise reading beside the equipment eliminated the community noise pollution problem. Weather proofing modifications were also required due to the exposed positioning of the air blowers.

The capacity and stand by cycle ensured operational fluctuations in the treatment were completed with a reduction in wasted energy. The air blowers have given the plant flexibility and increased their treatment capacity utilising the existing infrastructure.

INDUSTRY

Small Industry

CLIENT

R&R Robotics

LOCATION

Bellevue

REQUIREMENT

Investigate current overheating issues and expand current distribution system.

SOLUTION

A re-organisation of the previous pneumatic setup resolved the overheating and an additional compressor allowed

for the expansion in capacity requirements. Utilising the current infrastructure and equipment ensured the costs were kept to a minimum.

INDUSTRY

Mining / Minerals Processing

CLIENT

Cristal

LOCATION

Australind

REQUIREMENT

Investigate and rectify current unreliability issues within the pneumatic system.

SOLUTION

Installation of a compressor with a ducted system ensured air inlet temperature was not compromised while removing the heat generated by the equipment and thus reducing system failure. Correct ventilation of the compressor was the factor in the unreliability. This is a common problem throughout all industries.



Our Projects

INDUSTRY

Manufacturing

CLIENT

Visy

LOCATION

O'Connor

REQUIREMENT

Compressed air is used in process of cardboard carton making. Pneumatic Engineering supplies the air supply that enables Visy's equipment to run as well as general maintenance and upgrades.



SOLUTION

Improved their quality of air by adding dryers to their system. Through the upgrades Visy received greater production capacity and better air supply quality.

INDUSTRY

Rail

CLIENT

FMG

LOCATION

Port Hedland

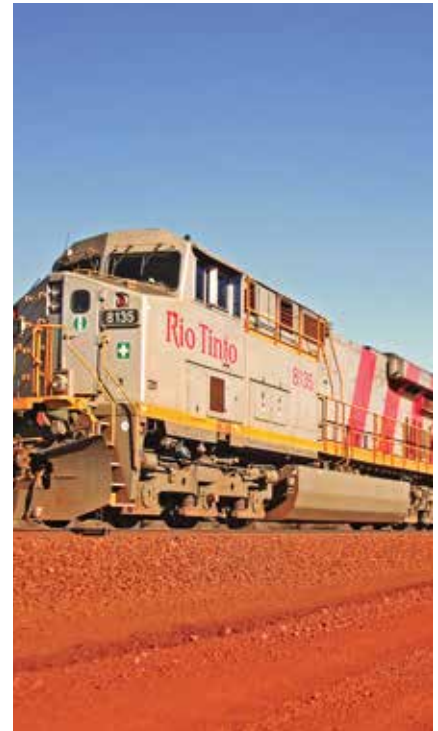
REQUIREMENT

Investigate a solution to ongoing damage caused to diesel rail cart compressors during the 'car dumping' process.

SOLUTION

With significant force on the compressors during this process the structural design of a standard portable compressor was not suitable. Additional mountings and supports were designed and underwent a series of trials until an adequate design was found.

The new equipment allowed for the compressor to remain installed on the brake cart for twelve months, previously these would be removed weekly. After nine years all compressors installed now undergo a 12 month routine maintenance check by Pneumatic Engineering.



INDUSTRY

Rail

CLIENT

Rio Tinto

LOCATION

Rio Tinto Rail in Karratha

REQUIREMENT

Investigate a solution to ongoing damage caused to diesel rail cart compressors during the 'car dumping' process, to reduce downtime and significant correction costs. Be capable of remote monitoring as well as remote operation.

SOLUTION

Designed purpose-built frames to fit in with their rail carts including a specialised suspension system to withstand the unloading forces of up to 5G. A new PLC system was designed to allow for remote control handling capabilities to be managed from Perth but also to start and stop themselves so there is no requirement for handling.

After being installed in May 2013 they have increased reliability and minimized down time, decreased maintenance costs and have only required standard servicing and minimal maintenance.



Our Projects



INDUSTRY

Transport

CLIENT

Aurizon Rail

LOCATION

Kalgoorlie

REQUIREMENT

Build a servicing container to be positioned beside the railway line to service its locomotives.

SOLUTION

All aspects were taken into consideration with automatic shut off systems, spill containment, security access and transportation needs. The unit allowed for basic servicing including oil change and lubrication utilising the onboard air system to operate. Creating a service stop that is easily utilised by operators reduces the need of having manned workshops assisting in reducing operational costs.

INDUSTRY

Food and Beverage

CLIENT

Mrs Mac's

LOCATION

Morley

REQUIREMENT

An ongoing maintenance and servicing contract with Mrs Mac's to maintain air supply to food grade levels.

SOLUTION

In addition to maintenance and servicing, Pneumatic Engineering also upgraded Mrs Mac's air supply systems to increase capacity and improve air quality. Pneumatic Engineering has a 12-year partnership with Mrs Mac's providing them with air supply to the high level of Australian food standards.



INDUSTRY

Petro Chemical

CLIENT

BP

LOCATION

Kwinana

REQUIREMENT

An air barrier was required to assist in the elimination of potential site contamination.

SOLUTION

Pneumatic Engineering was required to provide an oil free air supply to create a barrier. Through our ongoing partnership of more than 10 years with BP, we have provided a consistent supply of equipment and maintenance to meet strict environmental standards which are in line with both BP and Pneumatic Engineering's values.



Our Projects

INDUSTRY

Petro Chemical

CLIENT

BP

LOCATION

Kwinana

REQUIREMENT

To provide safe cool breathing air for maintenance staff in hazmat suits working in toxic areas during summer.

SOLUTION

Refrigeration coolers were installed to allow temperature adjustment by the operator to regulate their own individual air supply, allowing operators to remain suited six times longer than the previous system and minimising recovery time between work periods.

INDUSTRY

Exploration

CLIENT

Goldfields Mining

LOCATION

Agnew Gold Mine

REQUIREMENT

Increase the capacity of their drilling process for exploration underground. To be able to increase the drilling capacity, Goldfields Mining needed a

supporting air compressor that was reliable and protected from the underground environmental elements.

SOLUTION

An air compressor was mounted on a custom designed skid that provided a means of transporting underground. Included was a certified air receiver and a canopy to protect the equipment from dirt and rock falls. The main electric motor and other components were converted from 415 to 1000 volts to match the power supply onsite.

INDUSTRY

Power

CLIENT

NewGen Power

LOCATION

Kwinana

REQUIREMENT

Pneumatic Engineering has provided general maintenance and upgrades for NewGen Power since 2008.

SOLUTION

Apart of an ongoing contract with NewGen Power, Pneumatic Engineering was recently asked to upgrade air compressors and

relevant pipe work.

Furthermore, a new turbine was a recent addition, so a separate air supply was installed to provide for this equipment.

Pneumatic Engineering has a long-standing partnership with NewGen Power based on ensuring high quality and reliable air source to the power supply systems and machinery.



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Peace of mind

As the only company with the flexibility to customise equipment and provide flexible options to suit your individual needs, we are the recommended choice.

- Large service fleet
- Hire / Loan equipment
- Full range of spare parts
- Scheduled servicing
- Customisation
- Air vessel certifications and registrations
- 24/7 call out
- ISO 9001 accredited

To join our list of valued clients, call us or visit our website.

Contact us

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