

Australian Safety Engineers

Company Profile



AUSTRALIAN SAFETY ENGINEERS

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Company Profile

Australian Safety Engineers (ASE) is a Western Australian owned and operated company specialising in the supply and servicing of a broad range of fire and life support equipment as well as the supply and servicing of various high pressure equipment including high pressure compressors and booster pumps. The company has had over 30 years' experience within this industry since it was initially established by Australian Safety Engineers Pty Ltd in 1982 and as such, Australian Safety Engineers has gained considerable experience through the company's longstanding sales and service history.

Australian Safety Engineers experience has enabled the company to establish a reputation for supplying quality products as well as providing a high quality service that conforms with Australian Standards, Original Equipment Manufacturers (OEM's) specifications, client requirements and marine and offshore regulations (if applicable). The broad range of equipment serviced by the company provides a complete one-stop facility for the servicing and supply of fire, life support and high pressure equipment. Due to this, Australian Safety Engineers is well-known within this industry.

Facilities

Australian Safety Engineers has a purpose built workshop located in a modern Industrial Park in Canning Vale, Western Australia. The head office and workshop operates from a 4000m² facility that consists of:

- Oxygen Clean Room & Breathing Apparatus Service Centre (Class 7)
- Compressor Service Centre
- Registered Cylinder Test Station
- Professional Spray Booth and Sand Blasting Unit
- Protective Gas Suit Inspection Room
- Modern Office Area
- Large Stock Room and Warehouse Facility
- Fire Nozzle, Branch and Standpipe flow and pressure testing facility
- Fire Servicing and Filling of FM200, Inergen, CO₂ Gaseous Extinguishing Systems
- Fire Sprinkler maintenance

The company also has a workshop in Karratha that is utilised to service the Pilbara region. Company personnel operate from this workshop and primarily service equipment for the many mine sites as well as Woodside's Karratha Gas Plant.

Certification

Australian Safety Engineers is ISO 9001 accredited and all equipment supplied and service work performed is in full conformance with ISO 9001, Australian Standards and the Original Equipment Manufacturers (OEM's) specifications. Australian Safety Engineers has documented procedures to enable efficient management of customers' equipment, from the time it arrives at our premises, until it is ready for dispatch. This includes all forms of quality control and record keeping including maintaining sales records and service history of all equipment supplied and serviced by the company. Australian Safety Engineers manages this on behalf of our large customer base.

Australian Safety Engineers have also been approved by Lloyd's Register and by the American Bureau of Shipping (ABS). These approvals certify the company's management system and permit ASE to complete the supply, inspection, servicing and repair of equipment for ships, offshore structures as well as land-based installations. This certification further demonstrates ASE's commitment to quality. The company is also certified to undertake work for the Civil Aviation Safety Authority for the filling and testing of cylinders and hoses for aircraft. Australian Safety Engineers is also a Corporate Silver Member of the Fire Protection Association of Australia.

Australian Safety Engineers are approved Hyperbaric¹ Repairers for the Department of Defence, Royal Australian Navy (RAN) which permits us to complete the servicing of all Breathing Apparatus including OCCABA (Open Circuit Compressed Air Breathing Apparatus), ELSRD (Emergency Life Support Respiratory Device), Escape Sets and BA cylinders for surface ships and submarines as well as the servicing of high pressure compressors, Haskel booster pumps, Moby poles, Plummet launchers, Tactical Accent equipment, Poles, Hooks and firearms. The company has been one of the longest servicing repair agents in Australia with the company servicing and repairing Navy, SASR, Army and RAAF equipment since its inception.



Fire Equipment

Australian Safety Engineers provides total fire and safety equipment asset management and maintenance services to several large customer facilities.

We are capable of supplying and servicing a large range of portable and fixed firefighting equipment including fire extinguishers, marine carbon dioxide system components, sprinkler systems, fire hydrants, hose reels and fire doors, fire detection and alarm systems, emergency lighting systems, valves and pumps, firefighting branches and nozzles, foam proportioners and monitors.



As an independent company we have established long term trading partners and have access to a very wide range of firefighting equipment, hardware, tools and foam products. These include but are not limited to; ANSUL, Chemguard, Tyco, Kidde, Chubb, MSA, Drager, Scott, AWG, Total Walther, and Walter Frank and Dobbie Dico.

¹ Hyperbaric – pertaining to gas pressures greater than 1 atmosphere of pressure

Life Support Equipment

Australian Safety Engineers are sales and service agents for a broad range of life support equipment including breathing apparatus, escape sets, resuscitation units, airline trolleys and gas detectors. Our technicians are qualified to service a wide and varied range of life support equipment.



Australian Safety Engineers also has a dedicated gas suit Inspection room for the testing of fully encapsulated protective Gas Suits. The company services all makes and models of gas suits for various clients. Our service rooms cater for the repairs of the units. The company has large test tables that have holes drilled in a large 100mm stainless steel tube all the way around so as to remove any glue odour once connected to our vacuum system.

The company also has a certified Class 7 clean room for the servicing and repair of all high pressure breathing air and oxygen gas work. The clean room is essential when servicing breathing apparatus and when the internal components of the breathing apparatus are stripped down. This room has high quality filtered air to eradicate contamination which can cause adiabatic compression².



High Pressure Equipment

Australian Safety Engineers is the Australian Agent for Bauer Kompressoren and as such the company supplies, services and repairs Bauer compressors. These medium and high pressure compressors are used to compress gases such as breathing air and other industrial gases. Australian Safety Engineers has a large stockroom for Bauer products including spare parts and compressors as well as, a Compressor Service Centre to repair the compressors. The agency for Bauer Compressors enables ASE to have vertical integration through the compressing of gases to the supply of these gases to customers in cylinders.

² Adiabatic Compression - explosion of gases under pressure

The breathing air compressors are used by divers and fire brigades to compress air into cylinders for scuba diving and breathing air cylinders. These compressors are used extensively throughout FESA, the Royal Australian Navy, Army and the Special Air Services Regiment for this purpose. As well as this, the industrial gas compressors are utilised by various other industries including power stations, refueling stations, paintball applications and for the processing of plastics. Australian Safety Engineers has a broad range of experience in supplying and servicing these industrial compressors. This has included the project management of the fabrication, design, delivery, commissioning and maintenance of large compressor packages for companies like BOC Gases, Woodside Energy, Minara Resources, Worsley Alumina, Rio Tinto (Comalco), INCO for Goro Nickel Project and Brunei Navy to name a few.



As well as this, Australian Safety Engineers also supplies ancillary compressor equipment including breathing air filtration systems, refrigeration driers, regenerative driers, gas storage cylinders, electronic filter monitoring systems and portable air analysis systems.

Australian Safety Engineers also design and build fill panels that are connected to the compressor via the use of storage banks. The compressors are used to fill the storage banks with large volumes of the compressed gas. This enables the user to fill cylinders directly from the fill panel with the gas stored in these storage banks. This is especially useful during peak periods of demand as the excess storage capacity enables a higher number of cylinders to be filled at a faster rate. ASE also completed the oxygen and breathing air upgrade at FESA's new breathing apparatus building at the Forrestfield training centre. This upgrade included the installation of a fill panel as well as the installation of a primary and backup compressor system.



Australian Safety Engineers also completes servicing and maintenance of compressors. Australian Safety Engineers has a Compressor Service Centre for the maintenance, service and repair of compressors. The company has a large amount of spare parts and consumables held as stock, to reduce the long lead times for parts that are imported from overseas. This has assisted with speedy job turnaround times thereby reducing the downtime customers' are without their equipment. In addition to this the company completes air analysis tests to determine the quality of the breathing air based on the Australian Standard AS1715 and AS2299.1. The air analysis

tests analyse the levels of carbon monoxide, carbon dioxide, water, oil and oxygen in the air sample to assist in determining whether the air is safe to breathe. Australian Safety Engineers conducts an air

analysis program on behalf of FESA to verify that the quality of the breathing air supplied by FESA's remote fillers meets the required Australian Standard AS1715:2009.

Australian Safety Engineers is also the authorised sales and service agent for Haskel Booster Pumps which are used for high pressure gas applications. Further to this Australian Safety Engineers services specialised equipment for Department of Defence and other rescue services. This includes the servicing of plummet air launchers and Moby poles which are compressed air powered launchers, used to project a climbing rope which secures to a fixed object via the use of a grapnel hook. This is typically used in military applications to assist in boarding large ships, scaling cliffs and in building rescue activities.



Cylinders

Australian Safety Engineers has a Registered Hydrostatic Test Station with approved test station signatories that are competent in the inspection, testing and recertification of cylinders. These test station signatories have received training in accordance with Australian Standards and they have been assessed by SAI Global, a registered certification body to ascertain their competence.

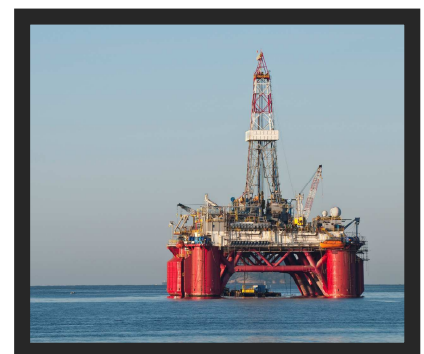
The test station would be classed as one of the largest test station in Australia and it has the capacity to hydrostatically test, recertify and fill thousands of cylinders per day and hundreds of thousands of cylinders per year. Australian Safety Engineers also has painting and valve servicing capabilities and all cylinders are painted in our professional spray booth. Our cylinder test station and BA/diver service centre are well equipped to provide the level of maintenance required by our customers.

Australian Safety Engineers also completes the inspection and testing of various high and low pressure hoses for a number of manufacturers and clients.

Offshore / Marine Fire & Safety

Australian Safety Engineers provide complete Marine Vessel Fire and Safety Equipment Certification to the Oil & Gas, shipping, marine and other industries to ensure the vessel complies with the relevant Regulatory Authority including NOPSA, AMSA, SOLAS, and IMO. This includes the inspection, servicing and testing of on-board fire detection / suppression, portable firefighting and safety equipment / systems on vessels of all sizes.

Australian Safety Engineers have been approved by Lloyd's Register and by the American Bureau of Shipping (ABS). These approvals certify the company's management system and permit ASE to complete the supply, inspection, servicing and repair of equipment for ships, offshore structures as well as land-based installations.



Australian Safety Engineers completes the Marine Vessel Fire and Safety Equipment Certification for Woodside Energy Limited offshore oil and gas platforms. Our technicians have the appropriate qualifications, technical competencies and experience to complete the certification of this equipment.

On completion of servicing, we issue a service report with records of the equipment inspected, serviced and tested. Adhering to regular service intervals is important in ensuring that the fire prevention equipment as well as all safety and rescue equipment is operational thereby ensuring continued compliance for the vessel.

Hire Equipment

Australian Safety Engineers has a wide range of safety and life support equipment available for hire by clients in events such as maintenance and plant shut downs, safety and training exercises and for one-off jobs where safety equipment is required. All hire equipment is serviced and certified in full conformance with the relevant Australian Standards and Manufacturers Specifications. Our range of hire equipment includes breathing air compressors, self-contained breathing apparatus sets, breathing air trolleys and long line equipment, BA cylinders, escape sets, gas detectors, gas suits, oxy-viva resuscitators, oxygen cylinders and a multitude of other safety and respiratory equipment.



Australian Safety Engineers can also customise products to meet required applications to increase efficiencies and reduce costs by utilising our comprehensive range of state-of-art equipment.

Clients

Australian Safety Engineers diverse client base includes Defence Forces, Emergency and Response Agencies, Public and Private Sector Utility organisations, the Diving Industry, the Offshore Oil and Gas Industry, the Mining Industry, and a broad range of companies in the Food Processing, Manufacturing and Chemical industries.

This includes Royal Australian Navy (RAN), Department of Justice, Bomb Squad, Air Force, SASR, Water Police, Department of Fire and Emergency Services, Water Authority and Alinta Gas. In the private sector Australian Safety Engineers services companies such as Wesfarmers CSBP, CBH, Woodside Energy Limited, Western Mining Corporation, Shell Australia, Ti-West Joint Venture, BP Refinery, BOC Limited, BHP Billiton, the Australian Pipeline Trust and Chevron to name just a few.