



Keeping Critical Defence Operations Running

Since 1985, Mobile Compressed Air has been helping South Australian industry maximise compressed air reliability through expert engineering, equipment supply and lifecycle support. From system design and installation to preventative maintenance, energy optimisation and 24/7 emergency service, we deliver dependable compressed air solutions that improve uptime, efficiency and long-term asset performance.

Our experience aligns with the operational requirements of defence manufacturers, naval shipbuilders, sustainment contractors and critical infrastructure providers, where reliability, safety and contractor responsiveness directly impact project delivery and operational readiness.

Our Capabilities:

- Compressed air system design and installation
- Supply of premium industrial compressors and equipment
- Preventative Maintenance Agreements
- 24/7 emergency breakdown response
- Ultrasonic air leak detection
- Compressed air energy audits and optimisation
- Air quality testing
- Compressor health assessments
- System performance audits
- Dryer, filtration and condensate management
- Equipment hire during planned shutdowns or emergencies
- Technical support, upgrades and lifecycle planning

Supporting South Australia's defence industries

We support organisations requiring:

- High equipment availability
- Reliable production continuity
- Reduced maintenance risk
- Energy-efficient operations
- Long-term asset performance
- Contractor responsiveness
- Safe and compliant compressed air systems
- Predictable maintenance costs

Defence Applications

- Naval shipbuilding and sustainment
- Defence manufacturing
- Defence Maintenance, Repair & Overhaul (MRO)
- Defence estate and infrastructure
- Heavy industrial manufacturing
- Precision engineering
- Continuous production environments



OUR COMMITMENT

Mobile Compressed Air helps defence manufacturers and critical industrial organisations maximise equipment uptime, reduce operating costs and extend the life of compressed air assets through proactive maintenance, energy optimisation and specialist technical support.

SERVING SOUTH AUSTRALIAN INDUSTRIES SINCE 1985

Proven Reliability in Harsh Operating Environments

Client: Adelaide Brighton Cement
Industry: Materials Manufacturing

For more than two decades, Adelaide Brighton Cement has partnered with Mobile Compressed Air to maintain its KAESER compressed air systems in one of South Australia's harshest manufacturing environments. Constant exposure to cement, limestone and abrasive dust places exceptional demands on compressed air equipment, making reliability and proactive maintenance essential to uninterrupted production.

Through a structured preventative maintenance program, Mobile Compressed Air has helped Adelaide Brighton Cement achieve an average compressor operating life exceeding 200,000 hours—around four times the typical 50,000-hour lifespan. This has been achieved through scheduled servicing, genuine KAESER parts, condition monitoring and early intervention to minimise wear and prevent unplanned failures.

This long-term partnership demonstrates MCA's capability to maximise asset life, improve equipment reliability and support continuous operations in demanding industrial environments.



Delivering Reliable Compressed Air Where Downtime Isn't an Option

Client: Liebherr-Australia
Industry: Manufacturing

Mobile Compressed Air partnered with Liebherr-Australia to deliver a KAESER compressed air solution for its Adelaide remanufacturing facility, supporting critical assembly, blasting and workshop operations.

Designed to maximise reliability and energy efficiency, the system provides a dependable compressed air supply while adapting to changing production demands.

MCA delivered the project end-to-end, including system design, equipment selection, installation, commissioning and ongoing preventative maintenance.

The success of the installation led to similar KAESER solutions being adopted across four additional Liebherr-Australia facilities nationally.

Today, Liebherr-Australia continues to rely on Mobile Compressed Air for ongoing servicing, demonstrating MCA's expertise in supporting mission-critical industrial operations through reliable compressed air lifecycle management.

Protecting Operational Readiness Through Air Leak Detection

Client: Quarry business
Industry: Mining & Materials

A local South Australian quarry engaged Mobile Compressed Air to conduct an ultrasonic air leak detection survey after experiencing high energy consumption across its compressed air system.

Using specialised ultrasonic technology, MCA identified air leaks totalling 7.0 m³ per minute, equivalent to an estimated \$58,968 in unnecessary annual electricity costs for a continuous 24/7 operation. The leaks accounted for approximately 69% of the compressed air system's total energy consumption.

Most leaks required only minor repairs—typically replacing seals or valves at minimal cost and labour—yet delivered significant improvements in system efficiency and performance.

For defence manufacturing, proactive leak detection supports greater operational resilience, reduced whole-of-life costs and improved reliability of this critical utility.

