



CAPABILITY STATEMENT 2019





“
YOU’RE IN
SAFE HANDS.”



Absafe is a multi-disciplined remedial engineering company specialising in height and difficult access.

We provide a comprehensive range of engineering services, including consulting, contracting, and maintenance. In addition, we offer a range of specialist equipment supply and support services.

OVERVIEW

OUR SERVICES ARE DIVIDED INTO THREE SECTORS

01



Specialist Access
& Remedial Engineering

02



Safety Services

03



Specialist
Safety Equipment



Accreditation and Association

Accreditations

We are an Industrial Rope Access Trades Association (IRATA International) member company (Member number 4019/0) with Painting Contractor Certification (PCCP) accreditation.

We are also certified to ISO 9001 AS/NZS 4801 and ISO 14001 for Quality, Safety and Environment.



Associations & Memberships

We are members of the Australasian Concrete Repair Association (ACRA), the Australian Corrosion Association (ACA), The Concrete Institute of Australia (CIA), the Water Industry Operators Association (WIOA) and Working at Height Association (WAHA).



CLIENTS



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SPECIALIST ACCESS AND REMEDIAL ENGINEERING

Done Well. Done Safe. Absafe.



As a leading specialist contractor, Absafe provides repair and maintenance services throughout the built environment. We specialise in heights and difficult access areas, confined spaces, and other extreme conditions.

Our highly experienced and triple-accredited team has won multiple industry awards.

At Absafe, our comprehensive approach leaves nothing to chance. We are highly experienced shutdown specialists and can also provide turnkey solutions for fast turnaround engineering inspections and remedial engineering works.

Absafe has a proven history of successful projects across the industrial sector, including chimney stacks, cement silos, cooling towers, power stations, boiler ducts, transmission towers and more.

We also specialise in the water industry and have worked successfully on dams, spillways, storage tanks, and gates. In addition, Absafe has worked on multiple projects involving façades and construction support, bridges, and towers.



Infrastructures such as:



- BGODs
- Dams
- Chimney Stacks
- Manufacturing Plants
- Cooling Towers
- Multi Story Facades
- Transmission Towers
- Spillways

Services such as:



- Diagnostic Engineering Consultants
- Remedial Engineering & Maintenance
- Concrete Repair
- Shotcrete
- UHP Water Jetting
- Protective Access
- Specialist Access
- Helicopter Access & Support Services
- Confined Space
- Waterproofing Tanking

DIAGNOSTIC ENGINEERS

At Absafe, our engineering consultancy division specialises in the appraisal of buildings and structural forms. From high-level visual inspections through to focused diagnostic investigations, our diagnostic services are based on attention-to-detail and professional responsibility.

Highly Experienced, Highly Regarded

We provide detailed, concise, and expedient reports that enable asset owners and managers to develop an informed approach regarding the sustainability and management of their assets.

Drawing on our vast knowledge base, we also provide high-level technical solutions for defective and deteriorated structures. Regardless of the structure's age, form, or material composition, our approach is informed, hands-on, and highly efficient.

Our range of services addresses the entirety of a structure's life-cycle.

Services

- Facade and Structural Inspections
- Diagnostic Investigations
- Technical Specifications and Tender Administration
- Live Project Stewardship



Access and Analyse. Anytime, Anywhere

Our engineers are hands-on and trained in all aspects of industrial access. All personnel are backed by the skills, knowledge, and safety resources of our remedial operations team.





ENGINEERING DESIGN OF SPECIALIST ACCESS AND ENCAPSULATION SYSTEMS

Over the years, we have developed numerous ways to safely access unique structures.

We are highly experienced in the design and installation of bespoke access systems and the encapsulation of structures, either as temporary measures or long-term solutions.

FACADE REFURBISHMENT

At Absafe, we apply rope access as a primary technique when working at heights. Our efficient, experienced and trade qualified teams can carry out high quality remedial and restorative works for a range of structures and façades.

We have a long history in the industry and have been providing high quality building repairs and maintenance services across Melbourne since 2002.

Absafe is a registered builder with access to an in-house engineering team.

All of our staff and qualified personnel are trained and adhere to a number of fully integrated safety and management systems. At Absafe, quality assurance is of the highest calibre.

Absafe specialises in the refurbishment of non-compliant cladding systems.

We recently completed a successful two-year, \$3 million dollar project carrying out major refurbishment works to one of Melbourne's most prestigious high-rise apartment complexes. These works were carried out solely using rope access systems, including material management. Our alternative low impact systems negate the huge costs associated with scaffolding or platform access systems.

Services:

- Façade Services
- Commercial Building Services
- Façade Restoration
- Façade Inspection and Condition Reports
- Engineering and Remedial Reports



PROTECTIVE COATINGS

We are ACA members, NACE Coatings inspectors, and we are one of few rope access companies with PCCP accreditation - including 'Removal of Hazardous Coatings Class 5 and 6'.

We have an extensive repertoire with top-level painting projects and are experienced with façade coatings, steel coating, corrosion mitigation, waterproofing, potable water membranes, 2 pack epoxy and blasting.

ABRASIVE BLASTING

With many years of blasting experience, Absafe has developed advanced equipment and innovative operating systems to reach the areas our competition can't. We are well equipped for carrying out works at extreme heights or in enclosed spaces.

We specialise in environmental encapsulation works.





ENVIRONMENTAL ENCAPSULATION

Absafe is an expert in the removal of hazardous coatings. We have access to advanced modular encapsulation systems that allow for blasting, coating works, and hazardous coatings removal with zero environmental contamination.

Many of these systems are designed to be performed via rope access, thereby negating the need for heavy and expensive scaffolding systems.

Our systems range from the full encapsulation of structures through to purpose-built fully enclosed pods. We can also utilise catch systems and vacuum tool systems where appropriate.

**Absafe is the first choice for
environmentally sensitive projects.**

CONCRETE REPAIR

Absafe is a specialist concrete repairer.

As an active member of the Australian Concrete Repair Association (ACRA), we have a long history of façade refurbishment using a variety of repair strategies.

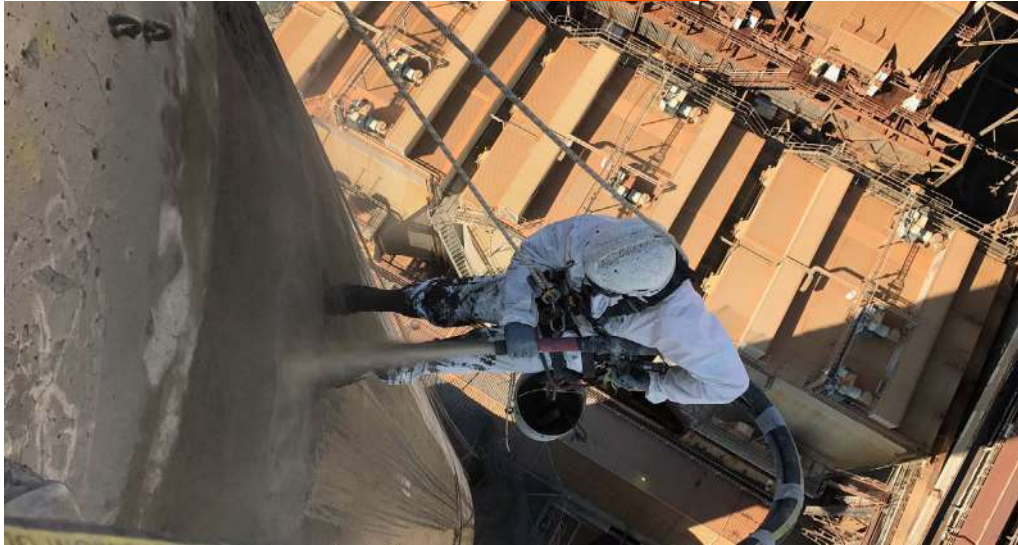
At Absafe, our highly experienced and trained workforce (ACRA and ACA trained) operates at the forefront of an ever-growing industry. We are committed to the constant advancement of our techniques and knowledge.

Services:

- Concrete Repair
- Crack Injection
- Corrosion Treatments
- Shotcreting
- Hydro Demolition



SHOTCRETING



Unique to Absafe, we now have the technology and experience required to carry out shotcreting repairs to façades and structures at heights over 150m or up to a 1500m horizontal conveying distance. We do all this with light access systems such as rope access and swing stages.

This advanced process relies on the 'dry spray' method, whereby the specialist repair mortar is suspended in the air stream and carried to the work face. Water is then injected into the mix at the nozzle, which impacts the surface with pressure and results in a perfect structural bond.

This method allows for:

- Concise and even application of repair mortars
- Large volume repairs in difficult locations
- Small precision batch repairs
- Underground or sewer repairs and linings

ULTRA HIGH PRESSURE WATER JETTING

- Concrete Hydro Demolition & Repair
- Preparation protective coating removal from steel surfaces

Absafe owns and operates a state-of-the-art 40,000 PSI UHP machine.

Ultra-high pressure (UHP) water is the preferred choice for surface preparation in many applications. UHP water jetting produces minimal dust, minimises waste by not using abrasive media, and allows for other operations to continue around the blasting site.

This process is also cleaner, with no contaminants added to the clean surface during blasting. Also, soluble salts and other contaminants are removed from the surface during the blast. While the UHP stripping process does not create a new surface profile, it will clean the surface back to its original profile.



ULTRA HIGH PRESSURE WATER JETTING FOR THE PREPARATION OF CONCRETE REPAIR AREAS

Hydro demolition is the superior method for the demolition of damaged, degraded, and failed concrete across a range of reinforced concrete structures.

Traditional demolition methods cause damage to sound concrete via excessive vibration and direct mechanical damage. This causes micro cracking and essentially instigates the failure mechanism of the remaining concrete. Hydro demolition involves no vibration and therefore doesn't lead to stress fractures of the remaining substrate.

Other advantages of hydro demolition:

- Minimal dust produced
- No damage to steel reinforcement
- Cleans the steel without damage
- Creates a clean, aggressive substrate for superior bonding of the repair materials
- Can accurately control the amount of material removed





SPECIALIST ACCESS

Absafe is a proud member of the Industrial Rope Access Trade Association (IRATA). Industrial rope access has been developed by IRATA over the last 25 years and is now the chosen means of access in the offshore oil and gas industries, along with a range of projects in construction, civil engineering, and the built and natural environment. The success of IRATA is based on thorough training and strict workplace safety guidelines.

Services:

- Industrial Rope Access
- Confined Space
- Rigging

HELICOPTER ACCESS & SUPPORT SERVICES

Absafe is highly experienced in helicopter exit works and advanced rigging methods for aerial crane work.

We can provide helicopter lifting services that can handle from 1 to 9 tonnes. We have successfully carried out gantry install and helicopter exits to cooling towers at Yallourn and Loy Yang, as well as the installation of temporary access gantries to the Orica chimney stack at Port Kembla.

Absafe always follows a comprehensive procedural implementation, including the supply of a fully trained aircrew. Our 'exit at height' methods are built around IRATA principles and designed to be utilised by IRATA operatives.





We supply highly experienced crews for works within confined spaces and all the necessary state-of-the-art equipment and personal protective equipment (PPE). Depending on your goals, we can either assume all procedural responsibility or fit in with your existing systems.

We have everything covered, from powered respirators to self-contained breathing apparatus (SCBA) gear and long line breathing systems for comfortable and convenient access. We specialise in bulk material blockage and silo cleaning, including the use of Cardox explosive gas systems.

At Absafe, we offer plant and structural maintenance, including boiler making, welding, cladding repairs, and silo inspection and repair. We're able to supply related equipment for confined space work from gas testing through to rescue and retrieval systems.

Absafe has proven experience in:

- Stainless Steel Silos
- Boilers
- Water Systems
- Sewerage Systems
- Concrete Bulk Materials Silos
- Spray Towers
- Inside Chimneys and Water Towers



ABSAFE SAFETY SERVICES

Getting you where you need to be. Safely.



Absafe height safety services focus on the design and installation of access systems for the built environment.

With training, certification, and equipment from leading global brands, you can be assured that Absafe is the perfect choice for the design, delivery and maintenance of your project.

Services:

- Service and repair
- Auditing
- Concept & detail design
- Installation
- Instruction
- Procedures
- Maintenance



HEIGHT SAFETY SERVICES

AUDITING

At Absafe, our engineers and technicians can inspect your height safety systems to ensure operational capacity, safety and compliance.

We ensure that all equipment and procedures are the perfect fit for you.

DESIGN

Absafe is smart, reliable and experienced. Our engineering experts can design fit-for-purpose and cost-effective safety systems that ensure effective access. At Absafe, we specialise in overcoming difficult access problems.

INSTALLATION

Our qualified tradesmen are experienced and trained in the installation of all height access system components:

- Walkways
- Anchors
- Static Lines
- Ladders
- Guard and Handrails
- Hatches and Security Access

We are also registered builders. Our installers have completed installation courses to make sure the job is done right.



HEIGHT SAFETY SERVICES

INSTRUCTION

At Absafe, we benefit from advanced training and years of experience in rope access and height safety. Our team can attend sites to demonstrate the safe and proper use of a wide variety of height-related tools and equipment and to ensure the correct use of procedural documentation.

PROCEDURES

Does your building have a current height safety procedure explaining all height safety systems? Absafe can evaluate and design a comprehensive procedural manual that's easy to follow so your staff can access systems safely and proficiently. We provide everything, from simple step-by-step diagrams through to full administration controls and policy and procedure compliance documents.

MAINTENANCE

We provide a full maintenance service, including annual system inspection, compliance and certification.

ONGOING MAINTENANCE & REPAIR

Absafe technicians are outfitted with top-of-the-line testing equipment to ensure fast and accurate service and total compliance. We are trained and certified to carry out maintenance and repairs on most current systems.





We are a Master Service Agent for 3M, a Certified Service Agent for Skylotec and Honeywell, and a representative for SkyClimber in Australia. We inspect, service and repair Sala, Protecta, Honeywell, Miller, North and other leading brands.

We sell new products, supply spare parts, and perform a wide range of maintenance and repairs on existing systems.

Product repairs include:

- Hoists
- SRLs and Fall Arrest Blocks
- SRL Winches
- SkyClimber Skylock
- Swing Stages and BMUs





FALL-ARREST & CONFINED SPACE EQUIPMENT

Remember, all safety products have specific criteria for inspection, service, and maintenance laid out by product manufacturers and relevant safety authorities.

All operators should be aware that people's lives depend on the efficiency and reliability of their equipment.

We service:

- Self-Retracting Life Lines
- Winches/Digital Winches
- Horizontal Life Line's
- Davit Arms
- Tripods
- Rope Positioning Devices
- Harnesses and more...

Service, Repair & Calibration

Absafe ensures that your portable gas instruments are accurate, reliable, and fully functional. We provide full diagnostic, calibration and repair services.

Absafe supports a wide array of gas detection equipment in order to ensure long life and high performance. Over time, all instruments will experience a decrease in operating effectiveness and efficiency, with calibration and servicing needed to ensure manufacturers' requirements and industry regulatory compliance.

All instruments that require periodic servicing or calibration are processed, diagnosed, and repaired at our authorised service centre to each manufacturer's specifications.

Absafe can take the hassle out of instrument management and periodic calibration. At a predetermined time, prior to your instrument's calibration date, you will be sent a reminder detailing the specific instrument, serial number and calibration due date.

We offer:

- Cost management for gas detection
- Onsite training and technical support for your gas detection fleet
- Vendor finance terms for all gas detection equipment

Absafe has proven experience with:

- MSA portable gas monitors including PID & IR
- Honeywell portable instruments and accessories
- The inside of chimneys and water towers



ABSAFE SPECIALIST EQUIPMENT

Specialist Equipment for Experts



Your Safety. Absolutely.

We are your specialist equipment retailer. Take advantage of our significant experience in rope access, confined space, working at heights, environmental monitoring and other specialist equipment.

- 2 Showroom Locations
- Online Store
- B2B platform available Australia wide
- Nationwide distribution

Absafe provides expert advice, leading solutions and world-class equipment to meet the most rigorous demands in the field.

Our engineering and installation team supports our height safety system and technical equipment range with ongoing inspection, servicing and maintenance.

Our B2B Business Trade Portal allows ease of communication, self-quoting and ordering functions along with major discounts.



THE GEAR YOU NEED TO GET YOUR JOB DONE AND DONE SAFE



continue...





Absafe is the Australian distributor for ATD Cardox pressure gas systems:

- A non-explosive blasting system
- We are the most experienced Cardox suppliers in Australia
- Whatever your requirements, we can supply the best system for you
- Specialising in design, supply, installation, training, and Cardox operations



What makes Absafe ATD Cardox the best?

Our experience

From underwater demolition to Rotary kiln clearance our team have advised and worked on many varied projects utilising Cardox.

Our charging station design

Ergonomically designed to allow the filling of Cardox tubes without the back breaking labour of our competitors.

Our tubes and accessories

- German engineered for excellence our tubes will take thousands of blasts.
- Our accessories from Safety heaters to wiring allows for correct firing, first time, every time.

From safety heaters to wiring, our accessories allow for correct firing, the first time and every time.

SKY CLIMBER

Absafe is the Australian representative for Sky Climber® Modular work platforms. We can design, supply, and install swing stages and modular platforms to suit every access requirement.

Certified machine hoist technicians

We can service and repair your Sky Climber®, Alpha, and Compact hoists, as well as Skylock emergency cable systems.

Sky Climber® has been designing, engineering, and manufacturing quality hoists, rigging solutions, and modular work platforms since 1955. Over the years, Sky Climber® has designed and manufactured powered suspended access systems for buildings, power station boilers, chimneys, bridges, storage tanks, ships, windmills, and anywhere else where access is required.

Sky Climber® is a multi-national company involved with marketing and distributing products and services through a worldwide network of experienced dealers. As the most recognised name in the world for suspended access solutions, Sky Climber® is supported by factory engineers and technicians around the world.

At Absafe, we share Sky Climber's® attitude toward safety, service, and solutions, and transmit these beliefs to our customers, dealers and employees.



GET IN TOUCH

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Absafe Pty Ltd.



Absafe Specialist Equipment

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Latrobe Valley Depot & Showroom

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Safety Equipment Service Centre

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EXTREMELY ABLE.
EXTREMELY SAFE.