

STATEMENT

2017

# CAPABILITY

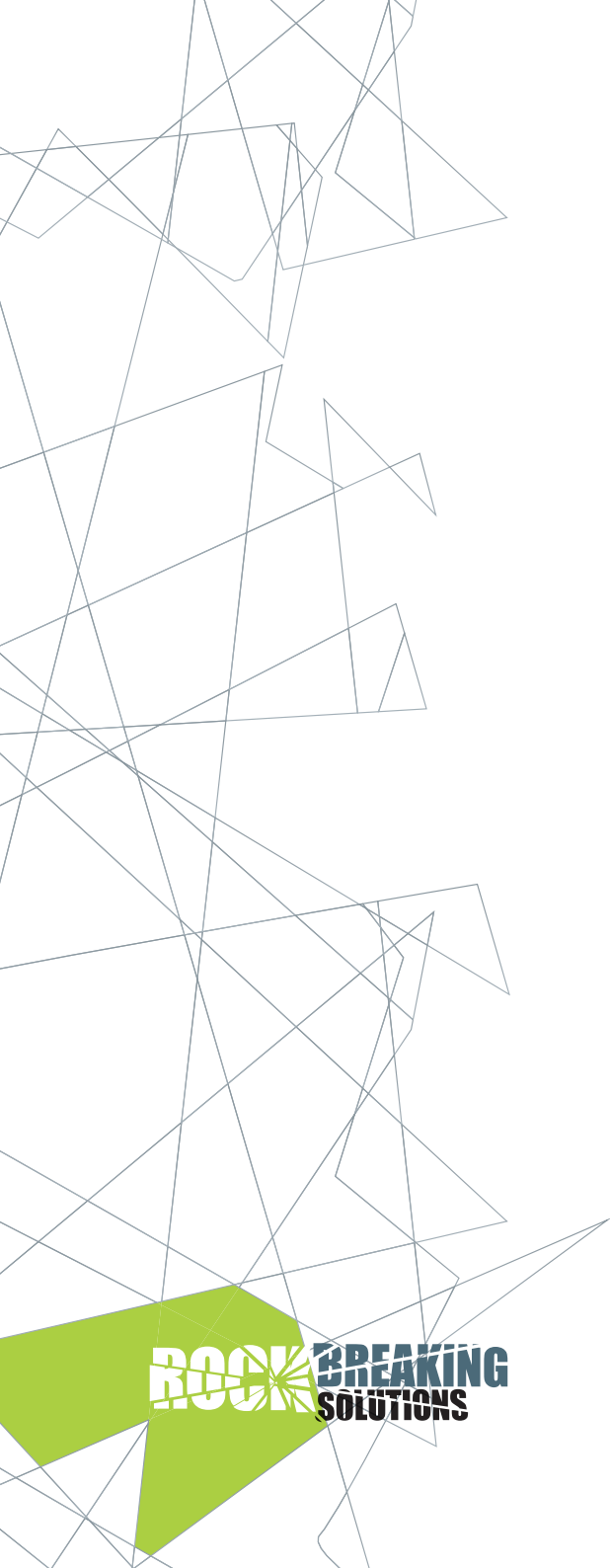
**ROCK BREAKING**  
**SOLUTIONS**



# ABOUT US



Rock Breaking Solutions is an private; Australian-owned drill and blast company, servicing clients throughout Australia. Established in early 2008; Rock breaking solutions has grown into a medium sized organisation with a reputable ethos specializing in Sensitive non Detonating and Detonating Blast Solutions in both the civil and mining sector. Our aim is to consistently provide a superior service that is not only unrivaled in standard but also competitive in price. We are constantly upgrading, modifying and expanding our fleet and together with our highly motivated, specialist work force and exemplary safety standards we strive to be leaders and innovators within our field.



## DUTY OF CARE

Health, Safety and Environment (HSE) are intrinsically linked to the way we work. Safety takes uncompromised priority in our business and the safety of our personnel is of the utmost importance to us. We are strongly focused on completing our daily tasks in a safe manner, looking out for our workmates and ultimately delivering on projects to our clients that we are proud of.

## VISION

- Our Vision is to provide the world's most innovative drilling and blasting technology, offering a smarter process where our client benefits from improved efficiency and control.
- Driven to provide service and standards above mining and civil industry expectations

## MISSION

- To be the contractor of choice providing smarter Drilling and Blasting Solutions whilst delivering exceptional customer service





# VALUES

## SAFETY – EVERY DAY, EVERY JOB

- Safety takes uncompromised priority when we work
- We look after ourselves, our people and those around us
- We are alert and proactive about safety

## EXCELLENCE – PROUD OF OUR REPUTATION

- We strive for excellence in everything we do to the highest levels of honesty and integrity
- We take responsibility and pride in our work
- We go above and beyond

## TEAMWORK - DELIVERING RESULTS TOGETHER

- We work together towards achieving our common goals
- We value loyalty and treat everyone with fairness, dignity and respect
- We celebrate our successes

## INNOVATION - BETTER SOLUTIONS

- We continually improve all aspects of our work and the way we deliver it
- We aim to create a new dimension of performance
- We embrace innovation and change

# WHAT WE DO

## WE SPECIALISE IN:

- Mining drill and Blast work utilising large and small rotary drills.
- Civil drill and blast for infrastructure expansion work utilising top hole hammer drills for blasting.
- Ground support work including high reach drilling, rock bolting and mesh installation.

Rock Breaking Solution drill fleet and support equipment are the latest technology and are built for purpose to ensure we can deliver superior drill and blast services. We are keen to work with clients at any stage of their project and are more than happy discuss how Rock Breaking Solutions can be of assistance to achieve the best drill and blast result for your project.

We have the capability to provide a comprehensive range of services:

- Production and Civil Blasting services for blast hole diameters between 28mm to 108mm.
- Project management
- Explosive supply and management.
- Ground support work



# HOW WE DO IT:

## OUR FLEET

1 - Atlas Copco T15

5 - Bobcat

2 - Atlas Copco T35

6 - Ford Rangers

3 - Sandvik DC120

7 - Hino GT 500- 1322 4WD's

4 - Sandvik DC120



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# OUR PRODUCTS

## NONEX - SENSITIVE ROCK BREAKING

Rock Breaking Solutions Australia is a leading supplier of Non-detonating cartridges and rock breaking systems.

Our company provides a complete range of NoneX cartridges along with standard-use high-explosives for accordant applications in both mining and civil.

*"These cartridges are classified as "UN0432, Articles Pyrotechnic for technical purposes, Class 1.4S" as well as "UN0323, Cartridges, Power Device, Class 1.4S" and have been authorised for use worldwide, where they are widely used for civil excavation and mining applications."*



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## FRAGMENTOR - SELF-STEMMING

The Fragmentor's internal components are activated at low pressure, to expand the external concentric seal that plugs the hole to contain the high pressure.

The external seal contains concentric protrusions for sealing the pressure in the hole and to retain the Cartridge in position during the high heaving stage.

The monocoque Cartridge case is an anti-tamper design, there are no caps or plugs that can be removed.

This prevents the internal components from breaching the Cartridge or hole.

The Cartridge case incorporates a retaining device for holding at the desired installation position at all inclinations.

The leading end is reduced in diameter for ease of installation, especially in distant applications when using an extension pole. The head of the Cartridge contains coupling features that interface with the pole adapter.

The blast wires are routed to the periphery at the head of the Cartridge to prevent damage during installation.

The high heaving effect produced by the Fragmentor Cartridge guarantees performance, reduce the weight of propellant required for a specific job and increase the burden, thus reducing the cost of fragmenting rock.

*The worlds latest and most advanced non-detonating rock breaking cartridge available 1,4S classification*





# SMARTROC T35

SmartROC T35 surface drill rigs for construction and aggregate production, set a high standard for operator friendliness, productivity and fuel efficiency. Built with the operator in mind, an ergonomic user interface makes drilling safer, faster and more effective. Not only are these rigs easier to operate and more productive, but they ensure the lowest cost per cubic meter produced by any comparable rig in their hole range. Simply put, the SmartROC T35 make it easy to be more efficient.

Productivity today and tomorrow SmartROC includes Atlas Copco's well-proven rock drill control system. Not only is it the most advanced system on the market, but it also allows for future upgrades. With proportional control of feed, torque and impact, it is possible to drill efficiently, even in difficult rock formations.

## COP 2540 EX ROCK DRILL

- T45- WiZ Drill rods including 14 foot starter rod and 12-rod carousel
- Retrac Drop-center drill bit (65mm and 115mm)
- HNS and MWD from Atlas Copco and Remote control option
- Rock manager System
- Bench height 15 meter



# FLEXIROC T15

FlexiROC T15 R is the smallest hydraulic top hammer drill rig in the Surface and Exploration Drilling division range. It is ideal for small construction jobs, rock reinforcement, boulder blasting and for use in the dimension stone industry. It is a four-wheel skid-steer unit with full Radio Remote Control functionality. FlexiROC T15 R is easy to transport, weighing less than 3 tonnes with small transport dimensions. A wide selection of rock drills with shank and integral alternatives are available to cover a variety of application demands. Examples of operations suitable for this rig are foundation drilling, trenching, boulder blasting etc.

## COP 1028 EX ROCK DRILL

- SR28-R32 WiZ Drill rods
- Retrac Drop-center drill bit  
(28mm-51mm) HNS and  
MWD from Atlas Copco
- Remote control
- Bench height 9 meters



## SANDVIK DC120

Sandvik DC120, is a hydraulic, self-propelled drilling machines on a 4-wheel drive carrier. They are perfect for maneuvering in tight places and tough conditions. The rigs are well suited for foundation drilling, road cutting, trenching, demolition works and dimensional stone quarries





## MINING

Vast resources are used in development and production blasting in Open Cut and Underground mining using high explosives. By using the NoneX Safety Cartridge we can concentrate on precision blasting in various applications such as:

- Splying, Floor, Wall Trenching and Back Stripping
- Crusher Blockages
- Secondary Break
- Mass Breaking
- Mines Rescue

All this can safely be done during normal operating hours without the need to clear underground mines or large surface exclusion zones using high explosives.

As NoneX is a NON-Detonating safety cartridge with a Classification of 1.4S, goods can be transported via air or road without the need of costly dangerous goods managing agents.

Our specialised service includes on-site training of personnel, contracting, consultation and project design with implementation of new procedures.





# CIVIL CONSTRUCTION

Non detonating cartridges and rock breaking systems are not only used for rock breaking but also a variety of other applications including shaft sinking, Pier/footing excavation, trenching for pipelines and non -detonating blasting in sensitive areas.

Our emphasis is on safety not only to the individual but also to the environment, Rock Breaking Solutions Australia offers new generation of rock breaking options that is competitive in price, a quality product and a much safer alternative to using high explosives particularly in built up and or site sensitive areas.

## CIVIL APPLICATIONS INCLUDE:

- Mass Breaking
- Shaft sinking
- Concrete demolition
- Trenching



# OUR EXPERIENCE

## GMF CONTRACTING – NORTHAM WA

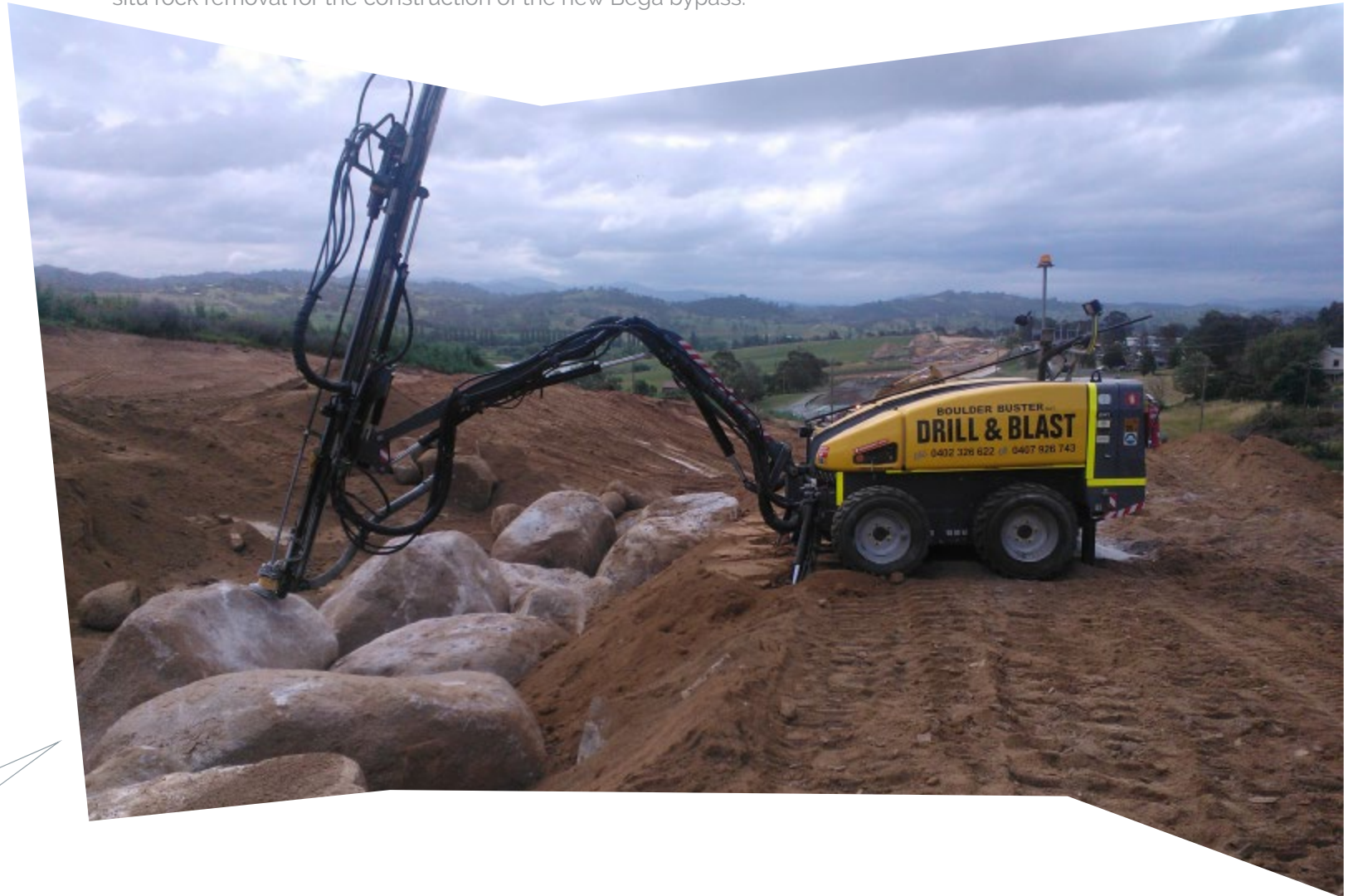
Large scale project, 33 000m<sup>3</sup> blasting consisting of trenches for services and waste water pond for the Yongah Hill Immigration Detention Centre outside Northam in WA. High explosives were not an option due to potential damage to existing structures. Rock Breaking Solutions were successful in completing all facets of the project on time and with perfect safety.





## JOHN HOLLAND - BEGA BYPASS NSW

Project involved close proximity blasting to the Pacific Highway and local residences. Consisting of over size and in situ rock removal for the construction of the new Bega bypass.



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## CIVIL TECH – AGNES WATER SEVENTEEN SEVENTY – QLD

10 x 10m shaft sinking for a new desalination plant in Agnes Water. Rock Breaking Solutions was chosen due to the close proximity to existing infrastructure and piping. The team was able to provide the solution for the works to continue without any damage to the surrounding pipework in a narrow confine





ZAUNER CONSTRUCTION – BEGA HOSPITAL NSW

Removal of 5000m<sup>3</sup> trench blasting for essential service





JOHN HOLLAND – PARKES NSW

Removal of 3000m<sup>3</sup> of rock on Gold Bar Hill HLR water storage pad for new water treatment plant



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The logo for Rock Breaking Solutions is located in the bottom right corner. It features the words "ROCK BREAKING" in a large, bold, white sans-serif font, with "SOLUTIONS" in a smaller, bold, black sans-serif font directly beneath it. The text is set against a dark grey background that is partially obscured by a bright yellow, angular, geometric shape. The entire background of the page is decorated with a complex network of thin, white, intersecting lines that create a web-like or crystalline pattern.