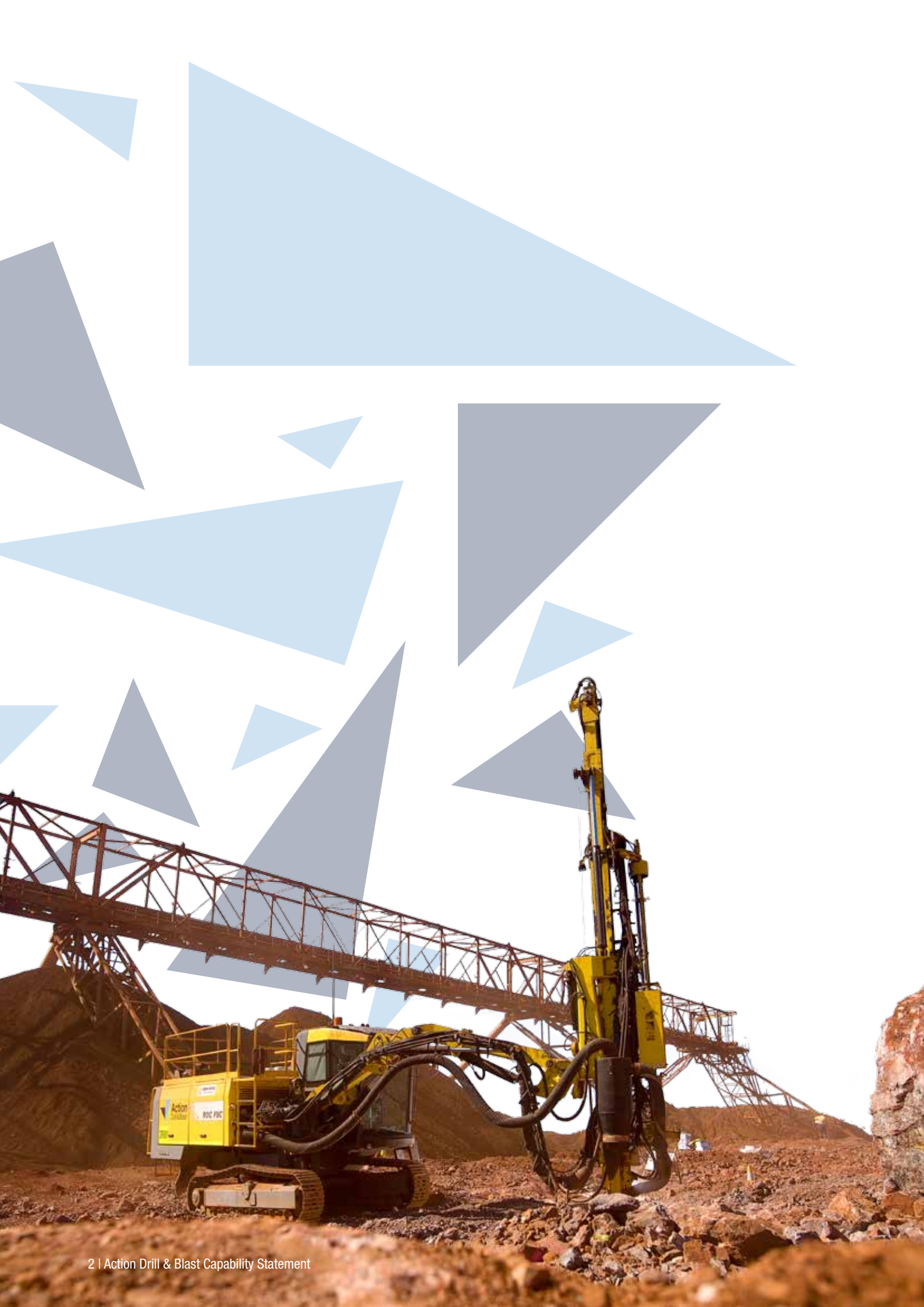




Action Drill & Blast
CAPABILITY



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ABOUT US

Warren Fair, General Manager

Joining Action Drill & Blast as General Manager in 2010, Warren has brought with him extensive experience in the management of drill and blast operations.

With a clear vision to build Action Drill & Blast into a leading and respected provider of drill and blast services, Warren has built the business based on solid performance results, delivered by a committed team.

"I'm really proud of the Company we've built in a short space of time. We've assembled the best drilling and blasting team in the world, many of whom have only ever worked in this industry and we have a large fleet of new, latest technology equipment. I'm confident that given the opportunity we will add value to your mining or civil operations"



Established in early 2010, Action Drill & Blast has grown into a medium sized organisation with a fleet of over 45 drills and employing approximately 300 personnel on civil and mining projects throughout Australia.

We specialise in:

- Mining work utilising large rotary drills.
- Civil drill and blast for infrastructure expansion work utilising top hole hammer drills for blast.
- Coal overburden drilling utilising 75,000lb machines.
- Ground support work including high reach drilling, rockbolting and mesh installation.



Action Drill & Blast's drill fleet and support equipment are the latest technology and are built for purpose to ensure we can deliver superior drill and blast services which are 'Best-for-Project'.

Action Drill & Blast's head office is located in Belmont, Western Australia and our regional office is located in Rockhampton, Queensland to service our East Coast contracts.

We are keen to work with clients at any stage of their project to discuss how Action Drill & Blast can be of assistance to achieve the best drill and blast result for your project.

We Drill – We Blast – We Deliver

As a complete service drill and blast contractor Action Drill & Blast has the capability to provide a comprehensive range of services:

- Production and civil blasting services for blast hole diameters between 64mm to 270mm.
- Blast design utilising 2D bench and Surpac.
- Explosive supply and management.
- Ground support work including high reach drilling, rock bolting and mesh installation.

OUR VALUES

Vision

To be the leading global provider of drilling and blasting services.

Mission

Build successful teams that provide exceptional customer service and deliver outstanding drilling and blasting solutions.

Values

Safety - Every day, every job begins and ends with safety.

Safety is a non-negotiable, it is the way we work

We look after ourselves, our people and those around us

We go beyond just compliance in our safety standards

Integrity - What we say is what we do.

Our people are always open and honest

We strive for excellence in everything we do

We take responsibility and pride in our work

Teamwork - Together we deliver results.

Our business is about our people and the way we work together

We work as a team to deliver value to our clients and the wider community

We celebrate our successes

Innovation - We look for the best solutions.

We continuously strive to make a positive difference

We have a 'can do' attitude

We always learn and improve

SAFETY
INTEGRITY
TEAMWORK
INNOVATION



MINING

Damien Gorman, Operations Manager - Mining

Damien has over 18 years' experience in the industry. He brings to the team practical experience in managing civil and mining drill and blast operations including civil operations at Fortescue Rail and mining operations at Western Turner Syncline and Area C.

"We have a very experienced and professional team"



Our scope of work includes utilising large rotary drills. Mining works undertaken consist of production drilling and blasting, including pit establishment for new mining projects incorporating contour and production blasting.

Our specialist mining teams are experienced in all commodity ground conditions.

▼ CASE STUDY - Cloudbreak

Background and Objective

In February 2013 Action Drill & Blast was awarded the \$140 million four year contract at Cloudbreak mine, which is located 125 kilometres north of Newman in the Pilbara region of WA. It is Fortescue Metals Group's first producing mine, producing almost 40 million tonnes of iron ore per annum. It was the first iron ore mine to use continuous miners to mine the selective iron ore bands. Action Drill & Blast is providing drilling services direct to Fortescue.

Process

The scope of works requires a large fleet of rotary drills that must be able to accurately drill depths ranging from five to 30 metres deep. On award of the project, Action Drill & Blast had plans in place to transfer and secure sufficient drills required. Fortescue requested an extra two drills be mobilised which Action Drill & Blast was able to source to meet the requirements; the extra drills allowed the client to make the changeover with minimal impact on operations.

Drilling has commenced with a target of up to 160,000 metres per month, comprising 140,000 metres of overburden. Action Drill & Blast has scaled up its workforce on site which is now in excess of 100 personnel. In line with Fortescue's corporate values, the company is also supporting the employment and training of Indigenous personnel at Cloudbreak. The Company has recently engaged ICRG for the supply and manning of one of the sites drill support trucks and has since signed a Memorandum of Understanding with ICRG to develop business opportunities between the two companies.

Outcome

- On award of the contract Action Drill & Blast was able to mobilise 12 large drills to site in a relatively short timeframe, enabling a smooth transition from the previous incumbent contractor.
- Action Drill & Blast's Cloudbreak operations are continuing to safely meet the projects production targets.

MINING

Diversity and Adaptability – Any Commodity

In the short time since Action Drill & Blast was established our operations have predominantly been on iron ore and coal projects within the Australian market, however our personnel have experience across all commodity types. For example Action Drill & Blast's personnel have many years' experience working on gold projects such as Sunrise Dam, Jubilee Gold, New Celebration, Granny Smith, Lawlers, Plutonic and also several South American gold projects.

We understand the challenges faced by gold mines in managing dilution, de-watering and wall management and working in hard ground. Action Drill & Blast's personnel have experience in the specialist blasting process required to extract gold and we understand the ground conditions and how it behaves during blast activities. We have the knowledge and skills to provide the high quality, sensitive blasting that is needed to optimise your project's production of this precious commodity.

Our friendly, professional communication style ensures we establish strong relationships with our client's representatives at any stage of your project through to production allowing us to continually optimise our on site performance.



Anthony Ruffin, Area Manager - Civil

Having worked in the drill and blast industry for over 17 years, Anthony Ruffin has hands-on field and management experience to lead the civil team. His extensive experience in controlled blasting, coupled with his focussed approach to safety make him a considerable asset in the business. Anthony's previous roles include Operations Manager Civil Projects for Brandrill where he managed civil drill and blast operations for clients such as BHP Billiton, Rio Tinto, Fortescue and Woodside.

"Our crew love what they do and they do it well"



Our clients often need to build near existing infrastructure, this means we blast rock close to gas pipelines and active rail lines which requires specialised techniques. Our personnel are skilled at carrying out such complex blasting operations. We have the capabilities to provide drill and blast for infrastructure expansion work utilising top hole hammer drills for blast hole diameters between 64mm to 127mm. Works include rail duplication and infrastructure site preparation.

▼ CASE STUDY - Cape Lambert Port

Background and Objective

Cape Lambert Port is one of two port facilities operated by Rio Tinto to export iron ore from its mining operations in the Pilbara. A total of 3.6 million cubic metres of challenging terrain, in close proximity to critical existing infrastructure, has been drilled and blasted without affecting railing and port operations. The ability to safely drill and conduct controlled blasting was critical to avoid mistakes affecting railing operations.

Process

The first phase required technical drilling and blasting of undulating hard rock in an area dense with existing infrastructure and construction. Action Drill & Blast's scope of works included:

- The new car dumper 5: commenced April 2011, completed October 2012.
- Car dumpers 6 and 7 and Phase B stockyard earthworks: commenced March 2012, completed July 2013.
- Car dumpers 6 and 7 ground support: commenced April 2012, completed October 2012.

The two main bodies of work were undertaken concurrently with the client adding variations along the way. The drill and blast workforce, which peaked at 51, utilised up to ten top hammer drill rigs (Atlas Copco F9C and GD5000 Bucyrus). The car dumper pits required depths of up to 33 metres and a large portion of the work was undertaken below the water table. The design called for ground support installation (mesh and cable bolting) to secure the walls to allow subsequent construction work and later operations to be completed safely.

Outcome

- Production, wall control and pre-split blast patterns completed with flyrock restriction in place.
- 2.2 million cubic metres of blasting associated with car dumper 5 and 1.4 million associated with car dumpers 6 and 7 without affecting critical operations.

Construction of the car dumper 5 infrastructure is well advanced with car dumpers 6 and 7 underway.

Ground Support

Depending on ground conditions some deep excavations require support to ensure stability of the rock face (embankments, road/rail cuttings). Our specialist Ground Support crews provide the support services required, such as high reach drilling, rock bolting and mesh installation for wall stabilisation and rock fall protection. We also provide excavation support and ground anchors for infrastructure construction.



Laurie Pratt, Operations Manager – Civil

With over 26 years' industry experience, Laurie brings to the team a depth of practical drill and blast experience in mining, quarrying and construction. Laurie's extensive experience includes managing blasting operations at iron ore and gold mines and quarries, as well as sensitive blasting on civil construction sites. He holds a Western Australian Quarry Managers Certificate and qualifications to successfully manage any size Drill & Blast operation.

"We have a great team of people"



COAL

Mark Hall, Area Manager - Queensland

Mark has extensive experience managing coal contracts with blue chip organisations. Mark has handled significant projects including the supervision of the drill and blast operations for Hong Kong International Airport which involved controlled blasting in close proximity to one of the world's busiest ports.

Commencing his career as part of a blast crew in 1991, he has gained valued hands-on and supervisory experience in various management roles.

"We're flexible, quickly adapting to changing requirements"



We have the capacity to undertake overburden drilling utilising 75,000lb machines. Current coal projects include production and overburden drilling and blasting and the provision of equipment.

▼ CASE STUDY - Isaac Plains

Background and Objective

In July 2012 Action Drill & Blast was commissioned by John Holland to provide blasting, shotfiring and explosives management services over a three year term to the Isaac Plains Coal Mine (IPCM), located in Central Queensland. Isaac Plains is currently producing approximately 2.8 million tonnes of coal per annum.

Process

Action Drill & Blast's project scope encompasses mark-up blast holes, quality assurance dipping holes, backfilling holes, stemming holes, loading holes, tying in blast holes and fume management. Site staff includes a drill and blast superintendent, leading hands, trainers, HSE advisor, shotfirers, fitters and blast crew.

The team holds daily and weekly client meetings to review forecasts, daily production rates and to go through any

issues with key stakeholders. Safety best practice has been upheld with a dedicated trainer on-site for the first six months to ensure that all the team were fully trained on equipment and maintenance procedures. Dedicated HSE advisors are on site full time with regular inspections taking place.

Outcome

- Action's commitment to 'best for site' has seen the Company consistently meet its project and safety targets, and implement initiatives to reduce costs.
- Brendan Pambid Project Manager SSE at John Holland said *"Working with Action Drill & Blast is a partnership; the Company has a great desire to make things work."*
- The Company has blasted over 23.5 million BCM to date on the project and has the potential to be involved in the planned expansion into Isaac Plains South.



HEALTH & SAFETY

To ensure our team believed in and supported our Safety Principles we asked them what they should be. Over two individual workshops, many senior operational personnel were directly involved in identifying our ten most important Safety Principles. These were then rolled out to all our personnel and have become an important point of reference when internally reviewing our safety performance.

Our Safety Principles

1. I shall always ensure human life is my number one priority.
2. I shall carry out a personal risk assessment before commencing any task.
3. I shall obey all site traffic rules and always use positive 2 way communication when interacting with plant and equipment.
4. I shall never accept an unsafe work area or clean up.
5. I shall always make positive isolation and test for dead before carrying out maintenance repairs or inspections.
6. I shall know and understand the operational limits of equipment and never operate outside the OEM specifications.
7. I shall always work with explosives in a planned and controlled manner, ensuring they are stored, handled and reconciled correctly.
8. I shall never operate, or instruct others to operate, machinery in an unsafe manner.
9. I shall not perform any task without being authorised and competent.
10. I shall always ask if I am unsure.

HSE is an integral part of our business planning:

Action Drill & Blast has a strong safety culture. Safety takes uncompromised priority in our business, the safety of our personnel is of the utmost importance to us.

- We promote open communication and invite feedback from all personnel on any matter, especially when they believe there is an opportunity for improvement.
- A weekly safety teleconference is held with all sites and all off site senior management participate, ensuring our management team are fully appraised of any hazards, incidents or innovations being experienced in an environment that allows them to provide immediate input.
- We strive to ensure all our team members are provided with appropriate training and the right tools to complete their work in a safe and competent manner.
- All personnel are trained and / or assessed as competent prior to operating any equipment.
- All our management team receives management training to Diploma standard.
- Our safety systems are best practice.

David Bereczky, HSE Manager

David has been a health and safety professional since 2002 and has gained considerable experience on mining and specialist drill and blast projects for major clients including BHP Billiton, Rio Tinto, Fortescue Metals Group and HWE Mining.

David holds an Advanced Diploma of Occupational Health and Safety, Diploma of Management and has Lead Auditor (AS4801) and Workplace Training and Assessment qualifications. His focus is to deliver HSE initiatives which eliminate harm to our people, mitigate risk to our business and maximise our overall HSE performance.

"We're proactive and dedicated to looking after our people"



BUSINESS DEVELOPMENT

Our business development team

Action Drill & Blast is Australia's fastest growing drilling and blasting contractor and we are continuously looking for opportunities to expand our operations across Australia and internationally.



Laurie Chew, Business Development Manager

Laurie is a Mining Engineer and has worked continuously in the industry for over 25 years. His career began in the Eastern Goldfields, predominately in an environment of contract mining and hardrock drilling and blasting, in both open pit and underground operations.

Prior to his appointment as Business Development Manager at Action Drill & Blast, Laurie held senior management and executive roles in an ASX listed resources company operating in the West Pilbara region and was involved in all aspects of exploration, mining, processing and exporting concentrate product to overseas customers.



Paul Guthrie, Operations Manager International

Paul's experience in drilling and blasting spans over 22 years. He has a depth of knowledge in all facets of the mining industry having managed drill and blast operations in Australia and overseas, ranging in size from small hole, controlled blasting to large hole, production blasts.

Paul is committed to the delivery of projects safely and efficiently, optimising drill and blast practices.



Steve Timbrell, Estimator

Steve Timbrell has over 15 years' industry experience in mining, quarrying and construction projects Australia wide. His previous roles have included mine surveying, explosives technical services, drill and blast engineering, consulting, drill and blast project management. Most of Steve's career has involved the management of rock on ground contracts and a requirement for project optimisation giving him an excellent knowledge base to perform his current role in estimating.

OUR FLEET

Our Fleet

Our drill fleet is comprised of new, latest technology equipment. The following list shows the make and models included in our fleet. This complementary range of equipment allows us to drill hole diameters from 64mm to 270mm.

1. Atlas Copco Pit Viper PV275
2. Gardner-Denver 5000
3. Atlas Copco F9C
4. Atlas Copco D65S
5. Atlas Copco DML
6. MPU explosives truck for AN and Emulsion - 10-15 tonne capacity, also with gassing capability if required.

The Action Drill & Blast plant and maintenance team focus on preventative maintenance. Our equipment is serviced on a regular, scheduled basis and all equipment is maintained to a very high standard.

We provide best-for-project equipment and will purchase new equipment should the project require it.



Zack Carnegie-Smith, Plant Manager

With over 29 years' experience working for contractors, OEMs and managing his own maintenance business, Zack brings to the team expert knowledge in drill rigs and preventative maintenance for drills and other mining support equipment. He leads a strong maintenance team that ensures our fleet is retained in excellent condition.

"We each have strong respect for each other's knowledge and skills"



OUR EXPERIENCE

Pilbara

Rio Tinto - Yandi Sustaining Works
Rio Tinto - Cape Lambert Port A Sustaining Works
Rio Tinto - Cape Lambert Port B Car Dumper & Stockyards
Rio Tinto - Cape Lambert
Rio Tinto - Western Turner Brockman
Rio Tinto - Yandi JSE
Fortescue Metals Group - Mainline Rail Upgrade
Fortescue Metals Group - Summit & Cloudbreak
Fortescue Metals Group - Solomon Spur
BHP Billiton Iron Ore - Mooka Siding
BHP Billiton Iron Ore - RGP5 Rail
Roy Hill Pty Ltd - Roy Hill Rail
Fortescue Metals Group - Northstar
Fortescue Metals Group - Cloudbreak
Fortescue Metals Group - Christmas Creek Stage 2
Fortescue Metals Group - Christmas Creek
Fortescue Metals Group - Solomon Mine
Rio Tinto - Western Turner Syncline

▼ Civil
▼ Mining
▼ Coal

Queensland

- BOWEN BASIN

BMA - Gregory Crinum
Peabody Energy - Millennium Shot Crew
Isaac Plains - Isaac Plains Mine
Rio Tinto Coal - Hail Creek
Downer EDI - Daunia Coal Mine



Midwest

Karara Mining Limited - Karara Iron Ore Project
Karara Mining Limited - Karara DSO

South West

Talison Lithium - Greenbushes

South Australia

OneSteel - South Middleback Ranges





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