



Action Drill & Blast
CAPABILITY
WE DRILL. WE BLAST. WE DELIVER.

OUR BUSINESS

Action Drill & Blast is an established market leader for drill and blast services to the resources sector across Australia.

Action Drill & Blast (ADB) operates on numerous surface mining projects across Australia. We provide integrated drill and blast services critical to project construction and ongoing production requirements.

ADB has one of the largest and most capable production drilling fleets in the country, which, together with our specialist engineering capability and extensive blasting experience, enables us to deliver safe, efficient, fully integrated drill and blast solutions for our clients.

With numerous major mining houses and large mining contractors as clients, ADB has been involved in more than 120 projects since its establishment 13 years ago. These projects include many of Australia's most notable resources projects across the spectrum of commodities on both the east and west coasts. We have firmly established our reputation for delivering consistently high performance.

Through our team of more than 400 skilled and experienced personnel, we are currently delivering integrated services from design and optimisation, through to drilling, explosives supply and blasting to major projects across Queensland and Western Australia. As part of the NRW Holdings Limited Group, we also have access to a full range of open cut contract mining capabilities, including total mine management solutions.

Our partnership approach, agility and innovation, coupled with an industry-leading safety focus has resulted in an enviable proven track record.

INTEGRATED SERVICES



We Deliver Safely

ADB has built a reputation for delivering production performance safely.

Prior to the commencement of work on any project, a comprehensive hazard identification and risk assessment process is undertaken in conjunction with the client and project team, with site-specific management plans and procedures being developed as an output to assist in mitigating the risks.

Depending on the client's particular requirements, we are positioned to apply our own ISO 45001:2018 accredited Health & Safety Management System, or to integrate our approach with our client's, to enable the most appropriate and effective risk management framework for each project.

ADB's integrated management system is based on risk management principles to ensure that our project teams are equipped with the optimal systems and processes to support them in delivering positive outcomes for our clients.

OUR CULTURE

Action Drill & Blast has built a culture of excellence, founded on our core values of safety, integrity, teamwork and innovation.

The way we work, every day, is bound firmly by our values and the genuine desire to deliver service excellence to our clients. We're professional and friendly, and our job is to help our clients achieve their goals.



Safety

- Every day, every job begins and ends with safety
- A focus on psychological safety helps promote diversity and inclusion.
- We look after ourselves, our people and those around us
- We go beyond just compliance in our safety standards

Teamwork

- Together we deliver results
- Our business is about our people and the way we work
- We work as a team to deliver value to our clients and the wider community
- We celebrate our successes

Integrity

- What we say is what we do
- Our people are open and honest always
- We strive for excellence in everything we do
- We take responsibility and pride in our work

Innovation

- We plan to implement the best solutions
- Through our people, we continuously seek improvement
- We focus on technology and engineering to develop industry-leading solutions
- We challenge ourselves to learn and improve daily

Action Drill & Blast delivers value through:

Collaboration

We work closely with our clients in a collaborative manner to achieve optimal results in safety and production. Their success is our success.

Expertise

We have established a team of highly skilled and experienced personnel and invested in developing sophisticated systems, which combine to get the job done safely and efficiently.

Full Scope Drill and Blast Capability

Our understanding of the whole drill and blast spectrum enables us to perform at a higher level in each stage of the process. Further, we can improve efficiency by delivering synergies such as streamlined communication in the planning and design stage, in addition to the use of multi-skilled crews in drill and blast activities.

Independence

We are motivated to utilise the right explosive products to suit the requirements of each shot on each project, ensuring that our clients benefit from the optimal blast outcomes at the optimal cost. We have strong relationships with explosives suppliers across Australia and are not tied to any one manufacturer.

Capacity

With a firmly established presence on each coast, with fit-for-purpose drills and explosives equipment, combined with operational, maintenance and project support staff, we are uniquely positioned to provide drill and blast services across Australia.

SCOPE OF SERVICES

Integrated, Full Scope Drilling & Blasting Services

ADB delivers tailored solutions to our clients across the drill and blast spectrum.

Mine Planning	D&B Design & Optimisation	Drilling	Explosives Supply & Storage	Mobile Processing Unit (MPU)	Load Stem & Initiate / Blast Crew	Excavation
Resources	<ul style="list-style-type: none"> Engineers Software (capital) Blast analysis hardware (capital) 	<ul style="list-style-type: none"> Drills (capital) Operators Maintenance Training 	<ul style="list-style-type: none"> Working capital Storage equipment Testing kits Engineer Licensing 	<ul style="list-style-type: none"> MPU (capital) Operator Maintenance Licensing Calibration 	<ul style="list-style-type: none"> Shotfirers Blast crew Supervision Training Licensing 	
Value Add	<ul style="list-style-type: none"> Cost efficiency Improved blast outcomes Integrated offering 	<ul style="list-style-type: none"> On schedule Quality / Productivity Capital assets 	<ul style="list-style-type: none"> Buying power No product bias Specialist management 	<ul style="list-style-type: none"> Fit for purpose Expertise Capital assets 	<ul style="list-style-type: none"> Expertise Integrated offering Optimal solution (no product bias) 	

	Mining - Coal	Mining	Civil Construction (Resources Sector)
Commodities	<ul style="list-style-type: none"> Metallurgical coal Thermal coal 	<ul style="list-style-type: none"> Lithium Iron ore Magnetite Gold Base metals 	<ul style="list-style-type: none"> Iron ore Coal
Typical Client Works	<ul style="list-style-type: none"> Open cut coal mining Pre-strip and overburden removal Pit development, pre-splits, final walls, box cuts 	<ul style="list-style-type: none"> Open cut metalliferous ore mining Waste removal Pit development, pre-splits, smooth wall blasting, box cuts 	<ul style="list-style-type: none"> Site preparation and expansion works Bulk earthworks Roads and rail infrastructure
Capabilities	<ul style="list-style-type: none"> Rotary drilling up to depths of 84m <ul style="list-style-type: none"> Production and pre-split holes Through-seam drilling Coal wireline holes Production and controlled blasting Continuous review and improvement 	<ul style="list-style-type: none"> Top Hammer (THH) & Downhole Hammer (DTH) drilling <ul style="list-style-type: none"> Production and pre-split holes RC sampling Production and controlled blasting Selective blasting Continuous review and improvement 	<ul style="list-style-type: none"> THH and DTH drilling Sensitive and controlled blasting Continuous review and improvement

PROJECT EXPERIENCE



Civil	Mining	Mining - Coal
<ul style="list-style-type: none"> • Brockman B2/B4, MACA Civil • Cape Lambert A, Macmahon • Cape Lambert B, NRW • Cape Lambert Ground Support, NRW • Dunham Pilot Dam, DM Civil • Eliwana Rail, NRW • Gudai-darri, NRW • Iron Bridge, NRW • Karara Crusher Plant and DSO Start Up, Karara Mining • Koodaideri Crusher, NRW • Mooka Drains, NRW • Mooka Siding, NRW • Murray & Maitland, MACA Civil • Onslow Quarry, Rock JV • Roy Hill Bridge Anchors, Central Systems • Roy Hill Rail, NRW • Roy Hill Fibre Optic, USA • Solomon Spur Rail, NRW • South Flank Bulk Earthworks, NRW • Western Turner Brockman, NRW 	<ul style="list-style-type: none"> • Bellevue Gold, NRW • Christmas Creek, NRW • Cloudbreak, FMG • Dalgaranga, NRW • Greenbushes, Talison Lithium • Hope Downs, Rio Tinto • Karara, Brierty • Karara, NRW • Mt Webber, NRW • Nammuldi, NRW • Nathan River, NRW • North Star (Iron Bridge), NRW • Nova Nickel, NRW • Pilgangoora, NRW • Roy Hill, RHPL • Solomon, FMG • Solomon, Leighton • South Middleback Ranges, HWE Mining • Telfer, Macmahon • Western Turner Syncline, NRW 	<ul style="list-style-type: none"> • Baralaba, Golding • Blackwater, BMA • Boggabri, Idemitsu • Broadlea, Golding & Broadlea Coal Management • Burton, Thiess • Byerwen, Macmahon • Cameby Downs, Yancoal • Callide, Batchfire • Collinsville, Glencore • Coppabella, Peabody • Caval Ride, BMA • Daunia, BHP • Dawson, Anglo American • Goonyella, BMA • Isaac Downs, EPSA Pacific • Isaac Plains, Golding • Isaac Plains, IPCM • Jellinbah, Jellinbah Group • Lake Vermont, Thiess • Middlemount, Middlemount Coal • Muswellbrook, Idemitsu • Mt Arthur, BHP • Poitrel, BMC • South Walker Creek, BHP & Stanmore Resources • Yarrabee, Yancoal

OPERATIONAL SUPPORT



Health & Safety, Environment and Quality

ADB has a team of HSEQ Advisors on back-to-back rosters based around the country ensuring that our operational project teams have access to a high level of support and advice to assist in properly implementing ADB's integrated management system and effectively manage the risks.

We also have dedicated training teams on both East and West coasts to ensure that our people are competent and capable in both technical aspects and project leadership where applicable.

Training

ADB's dedicated Training Department is a strategic business partner for leaders, managers and employees. It proactively seeks training opportunities for our personnel to maintain their competency and acquire new skills and qualifications. It provides career paths and opportunities for professional development.

ADB offers Traineeships and Apprenticeships to new and existing employees, nationally recognised training to existing and emerging leaders and ongoing professional development and mentoring on-site. Our team of authorised roving trainers work closely with Operations to ensure all Projects receive the necessary support to keep our personnel safe, upskilled and compliant.

Maintenance

ADB is focused on preventative maintenance, ensuring that all of our equipment is serviced on a regular, scheduled basis and maintained to a very high standard. The majority of maintenance activities, including specialist maintenance services, are performed in-house, thus reducing costs and potential downtime associated with external contractors attending site.

We have major warehousing and maintenance hubs in Western Australia, Queensland and New South Wales. Together with our established network of major suppliers, these allow us to mobilise to site quickly and deliver industry-leading plant availability.

In Caboolture, Queensland, the business has established a specialist facility capable of major rebuilds, refurbishments and engineering innovation.

Technical Services

ADB has a dedicated Technical Services team with the sole purpose of ensuring that we are at the forefront of innovation in the production drill and blast sector. This team has delivered game changing innovation in drilling consumables, improving penetration rates, reducing production costs, improving safety and enhancing machine capabilities.

Our current focus is on the continuing implementation and evolution of technology and automation in drill and blast, building on our existing extensive and diverse experience covering a range of technologies on different projects.

EQUIPMENT CAPABILITIES

Our Equipment Fleet

ADB has one of the largest production drilling fleets in Australia with approximately 70 drills.

	Mining - Coal	Mining	Civil Construction (Resources Sector)
Drill Type	<ul style="list-style-type: none"> • REICHdrill C700 • REICHdrill C750 • Epiroc Pit Viper 275 • Epiroc D65 	<ul style="list-style-type: none"> • Epiroc T45 • Epiroc D65 • Epiroc F9 • Epiroc DML • Epiroc Pit Viper 271 (500psi) 	<ul style="list-style-type: none"> • Epiroc T45 • Epiroc D65 • Epiroc F9
Drill Specifications	<ul style="list-style-type: none"> • Rotary drilling <ul style="list-style-type: none"> - 200 - 270mm hole diameters - 0° - 30° angles - 84m hole depth • DTH 127 - 165mm hole diameters 	<ul style="list-style-type: none"> • THH 89 - 140mm hole diameters • DTH 140 - 251mm hole diameters 	<ul style="list-style-type: none"> • THH 64 - 127mm hole diameters • DTH 127 - 203mm hole diameters

In addition, we have a large fleet of Mobile Processing Units (MPUs) and specialist blasting equipment including:

- Magazines
- Ammonium nitrate / fuel oil (ANFO) hoppers
- Monitoring equipment including drones, vibration, fume, noise and dust monitors
- Electronic blasting systems
- Blast software
- Fragmentation analysis
- Reactive ground testing



A subsidiary of NRW Holdings Limited



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