



MASTER BLASTERS SA
 SURVEYING AND CONSTRUCTION EXPERTS
 011 066 1324



MASTER BLASTERS BUSINESS PROFILE



EXECUTIVE SUMMARY

Master Blasters is a Level 1 BBBEE contract mining company that offers a comprehensive range of in-house services tailored to meet the needs of the mining industry. Our core services include surveying, mine planning and designs, drilling, blasting, loading, hauling, crushing, screening, health and safety management and environmental management allow us to provide a fully integrated solution to mining operations.

With a strong emphasis on safety, efficiency and effectiveness, we ensure that every project is delivered to the highest industry standards. Our skilled workforce, state-of-the-art equipment and commitment to best practices enables us to handle mining operations of varying complexities, from initial planning, to execution and project completion.



VISION

To achieve economic transformation in the explosives and mining sector by changing the status quo, from it being an exclusive industry, to one that also includes and economically benefits historically disadvantaged South Africans



MISSION

To provide the means for people from previously disadvantaged backgrounds to be knowledgeable, skilled and competent role players in the explosives and mining industry, through employment and partnerships with Master Blasters.



OBJECTIVE

To provide our Clients with an unrivalled professional service, effectively and efficiently without compromising on safety, through the recruitment and training of historically disadvantaged individuals, thereby actively transforming the economy to equally benefit all South Africans



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ABOUT US

Master Blasters (Pty) Ltd, was incorporated in 2012 after its shareholders decided to actively address the inequalities, lack of opportunities and economic benefit of previously disadvantaged persons, in the mining & explosives industry.

Master Blasters (Pty) Ltd is a Level 1 BBBEE contract mining company specialising in contract mining, rock drilling, blasting, crushing and screening.

At Master Blasters, we recruit and train highly motivated individuals from historically disadvantaged backgrounds who share in our vision, to become skilled and knowledgeable in the mining and explosives environment, thus enabling them to meaningfully contribute to the upliftment of their families, communities and the country at large. We assist emerging Black owned companies to gain invaluable experience in the explosives and mining sectors by partnering with them to provide the knowledge, skills and resources that is essential in ensuring that they successfully meet the objectives of their projects.



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OUR SERVICES

CONTRACT MINING

Master Blasters provide a wide array of services that cover the entire lifecycle of a mining project, from exploration and mine development, mine planning and design, to extraction, processing, health and safety management, environmental management and rehabilitation. Our technical excellence delivers value-driven mining solutions yielding maximum profitability and sustainability to our clients whilst ensuring that operations are executed safely, efficiently and effectively, in compliance with all regulatory requirements.

OPENCAST DRILLING AND BLASTING

Master Blasters are experts in opencast drilling and blasting. We have a fleet of drill rigs and compressors. Our blasts are designed, loaded and detonated to create minimal fly-rock, air-blast and ground vibration, whilst achieving optimum rock fragmentation. Our blasting technique reduces over-break in the surrounding rock mass and maintains high wall and bench stability, which is a critical safety component on any site. Our operations are designed to reduce the overall costs to our Clients who benefit from a reduced processing cost per ton resulting in increased profits and ensured sustainability.

UNDERGROUND DRILLING, BLASTING AND TUNNELING

Master Blasters have specialist crews to perform underground drilling and blasting including sinking of shafts, and opening of tunnels and adits. We have maintained a 100% safety record in this highly dangerous environment. Our thorough knowledge of rock strata and varying conditions achieves maximum advance per blast.



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OUR SERVICES

CONSTRUCTION BULK BLASTING OF IN-SITU ROCK

Our highly trained, knowledgeable and experienced staff enable us to drill and blast safely, effectively and efficiently on road cuttings and land development sites. Our blasts ensure that there is no back-break over over-break in the adjacent rock. This saves both time and money that would have been needed for stabilisation or back-filling and compacting unnecessarily.

Our blasting knowledge, skill and methods make it possible for us to blast in-situ rock in close proximity to residential areas with minimal risks. Our blasts are designed to eliminate blast induced fly-rock, noise and harmful ground vibrations.

We fully engage and liaise with the local community to ensure proper communication and minimal disruptions.

Our utilisation of waterproof explosive charges enables blasting to be performed on land that has streams, underground springs or a high-water table.

MINE PLANNING AND DESIGN

Master Blasters provide a comprehensive and systematic process involving detailed studies and strategic planning to optimise the mining operations to ensure maximum profitability while minimising risks and environmental impact. By including aspects such as resource estimation, mine layout, production scheduling, plant selection and optimisation, safety and environmental impact we develop detailed short-term, medium-term and long-term plans to ensure that the mining operation is profitable and sustainable from initial exploration to final closure and rehabilitation.



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OUR SERVICES

CONSULTATIONS

At Master Blasters, our qualified and experienced personnel are able to provide comprehensive mining consultations to mine owners and contractors. Our service starts from a detailed 'Needs Analysis' up to implementable 'Action Plans' that fully addresses our Client's requirements, which will ensure safe, effective, efficient and profitable projects.

BLASTING OF TRENCHES AND FOUNDATIONS

Master Blasters offer a safe and precise method of blasting trenches and foundations which enables us to perform drilling and blasting directly adjacent to sensitive structures. We have successfully blasted trenches only a meter away from adjacent houses with no damage caused.

We have also blasted next to underground pipelines and overhead cables without causing damage to the infrastructure. Our blasting techniques will not shift rock or crack rock beds below the required depth.

DEMOLITION OF BUILDINGS AND STRUCTURES

As explosives experts, Master Blasters specialise in the implosions of buildings and structures. Our qualified and experienced personnel are able to ensure that every demolition is carried out with precision and minimal disruption to the surrounding environment. We also provide a fully mechanical method of demolition, for projects which restrict the use of explosives.



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OUR SERVICES

EXCAVATION, LOAD AND HAUL

We supply, operate and manage the use of specialised mining equipment including, excavators, front-end loaders and articulated dump trucks to excavate overburden material and ore, and transport the material to stockpiles, crushers or processing plants. Our service includes a comprehensive maintenance and equipment management program.

CRUSHING AND SCREENING

Master Blasters provide our Clients with crushing and screening services to reduce the size of extracted material to specified sizes either as a finished product or for further processing. The crushed material is then screened and sorted into various sizes based on client specific requirements.

LAND SURVEYING

Master Blasters provide detailed land and resource surveys using advanced surveying techniques to determine the boundaries of the mining area, set and layout mining areas to support mine planning and monitor progress. We conduct regular surveys of stockpiles and mined pits to ensure accurate measurement of mined material to ensure compliance with the mining plans.

HEALTH AND SAFETY MANAGEMENT

Master Blasters, through our in-house Health and Safety department, provide a complete health and safety solution to our clients. We develop and implement tailored H&S systems in accordance with local regulations including the Mine Health and Safety Act and Occupational Health and Safety Act. Our service includes the drafting of legal appointments, hazard identification and risk assessments, risk mitigation control measures, safe work procedures, standard operating practices, code of practices, and safety audits.

ENVIRONMENTAL MANAGEMENT

We ensure that the mining operations complies with environmental regulations, such as those laid out in the National Environmental Management Act (NEMA) in South Africa. Our operations are in-line with Environmental Impact Assessments (EIA) to manage and reduce the environmental impact of mining activities, including dust suppression, water management and rehabilitation of disturbed areas. We further provide rehabilitation services to restore land that has been mined, to its natural state or agreed-upon post mining use, including re-vegetation and landform stabilisation.



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REGISTRATIONS AND COMPLIANCES

Level 1 B-BBEE Company.

Registered with the Chief Inspector of Explosives (South African Police Service Explosives Division).

Registered with the Department of Employment and Labour (Occupational Health and Safety Explosives Directorate).

Registered with the Department of Mineral Resources and Energy (Mining).

Licensed and registered Explosives Managers.

Explosives Workplace License' to use explosives on any site in South Africa as required by the Explosives Regulations of the Occupational Health and Safety Act.

Civil, Opencast, Underground & RBC certified Blasters.

Public Liability Insurance.

FEATURED ARTICLES

Outlook Magazine - ciooutlookmagazine.com/dean-pather-forging-paths-to-sustainable-growth-and-leadership-in-explosives-and-mining/

Mining Weekly - www.miningweekly.com/article/transformation-in-explosives-sector-yet-to-ignite-2019-10-22

Mining Weekly - www.miningweekly.com/print-version/firm-shields-communities-through-safer-explosives-blasts-2022-10-21



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