

MAN

OPERATIONS



2024

MAN OPERATIONS
Mining Division

COMPANY PROFILE

**Transform your Mining Operation with
our Cutting-Edge Operational Solutions.**

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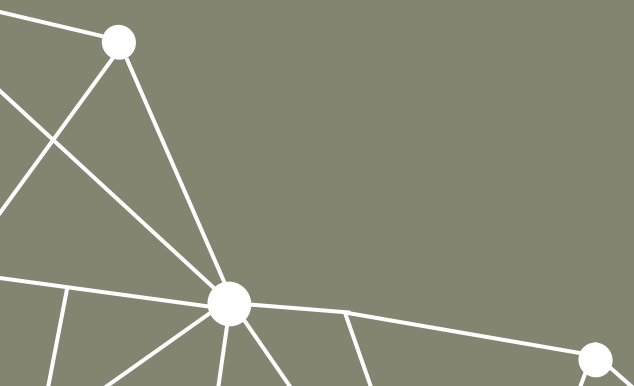
Website: www.mangroups.com

MAN OPERATIONS MINING DIVISION

Load, Haul & Dump
Drilling & Blasting
Crushing & Screening
Magazine Management
Explosives Supply
Technical Services
L.O.M Planning
General Mine Management

Industry leading in-house
developed software

International footprint



MAN OPERATIONS – MINING DIVISION

OVERVIEW



MAN Operations is a premier provider of Mining solutions to the mining industry. Our footprint is rapidly expanding with a clear track record of sustainability, loyalty & reliability. Established with a commitment to excellence and safety, MAN Operations offers a comprehensive range of solutions tailored to meet the diverse needs of our clients.

We strive to drive excellence in mining operations through innovative data analysis, strategic planning, and comprehensive compliance tracking. We are dedicated to revitalizing distressed mining operations by leveraging our proprietary software, hardware, and reporting platforms to provide real-time performance insights and metal accounting from geological models to the point of sale. With over 25 years of industry experience, we are committed to delivering tailored solutions that optimize operational efficiency, enhance financial performance, and foster sustainable growth for our clients



MAN OPERATIONS – MINING DIVISION

MISSION STATEMENT & CORE VALUES

Mission Statement:

At MAN Operations, our mission is to deliver innovative, robust and reliable, mining & solutions & services, while prioritizing safety, sustainability, and customer satisfaction.

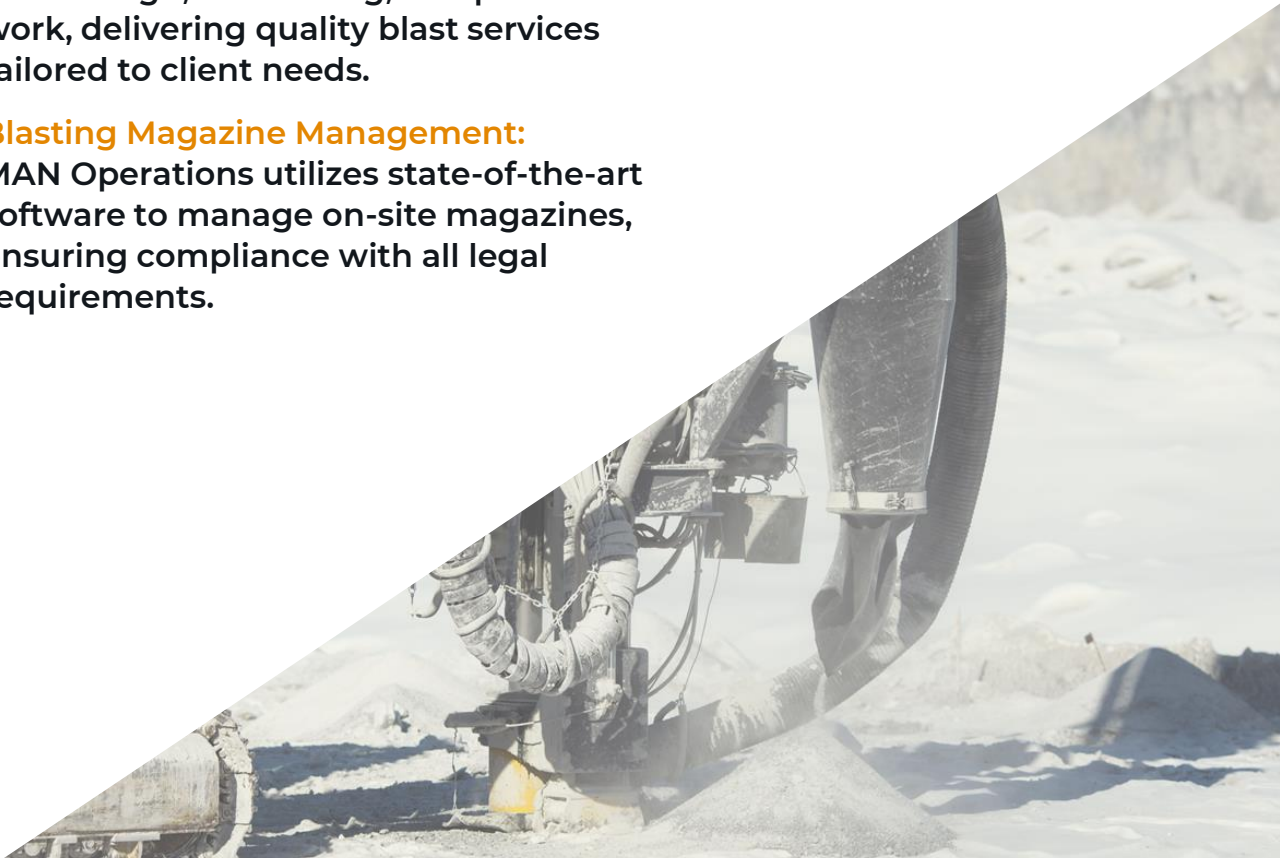
Core Values:

- **Excellence:**
We are dedicated to delivering high-quality products and services that exceed industry standards.
- **Safety:**
The safety of our employees, clients, and communities is our top priority in all operations.
- **Innovation:**
We continuously strive to develop and implement cutting-edge technologies and solutions to enhance efficiency and effectiveness.
- **Integrity:**
We conduct business with honesty, transparency, and integrity, fostering trust and respect among our stakeholders.
- **Customer Focus:**
We are committed to understanding and meeting the unique needs of each client, building long-term partnerships based on mutual success.



Products and Services:

- **Down-the-Hole Explosives Supply:**
MAN Operations offers high-quality bulk emulsion explosives sourced, mixed, and manufactured through strategic partnerships. Our services include charging drilled holes according to client specifications, with adaptable solutions tailored to each client's requirements.
- **Blast Services:**
We provide comprehensive blasting services, including blast design, planning, and execution, with a focus on safety and quality management.
- **Rock-on-Ground Services:**
Our full-suite service encompasses drilling, blast design, monitoring, and production work, delivering quality blast services tailored to client needs.
- **Blasting Magazine Management:**
MAN Operations utilizes state-of-the-art software to manage on-site magazines, ensuring compliance with all legal requirements.





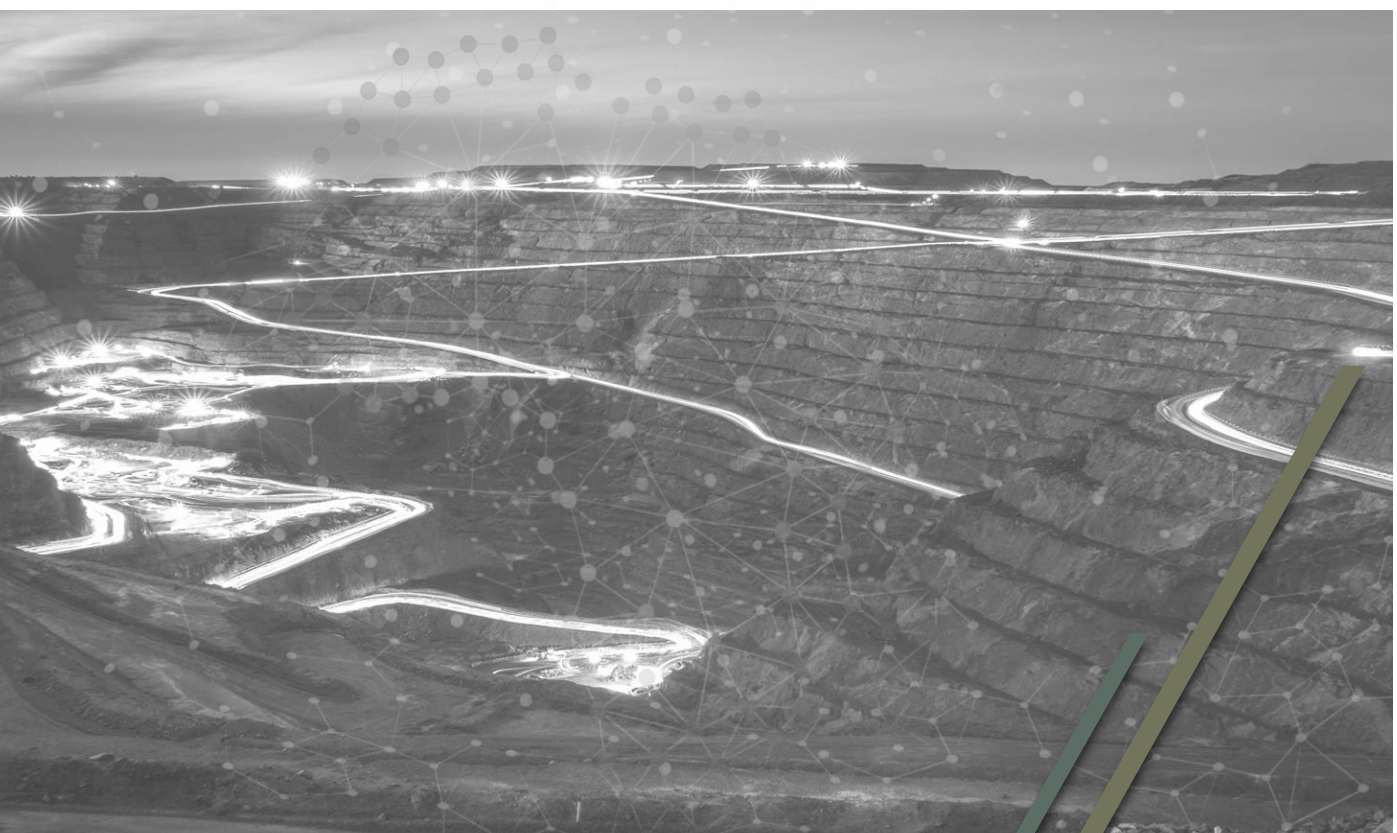
Technical Services:

- **Blast Optimization:**

We specialize in producing optimal blast designs tailored to specific site criteria and constraints, focusing on fragmentation, drill, blast parameters, and timing.

- **Blast Monitoring:**

Our services include blast designs, audits, vibration and air-blast monitoring, videography, fragmentation analysis, and MAN ExactDrill software for real-time drilling progress and precision.





EXPLOSIVES

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Innovative Explosive Products:

MAN Operations supplies a range of innovative explosive products, including bulk emulsion explosives for surface mining, packaged explosives, pyrotechnic initiation systems, and electronic initiation systems to our international customers throughout Africa.

Specialized Drilling Services:

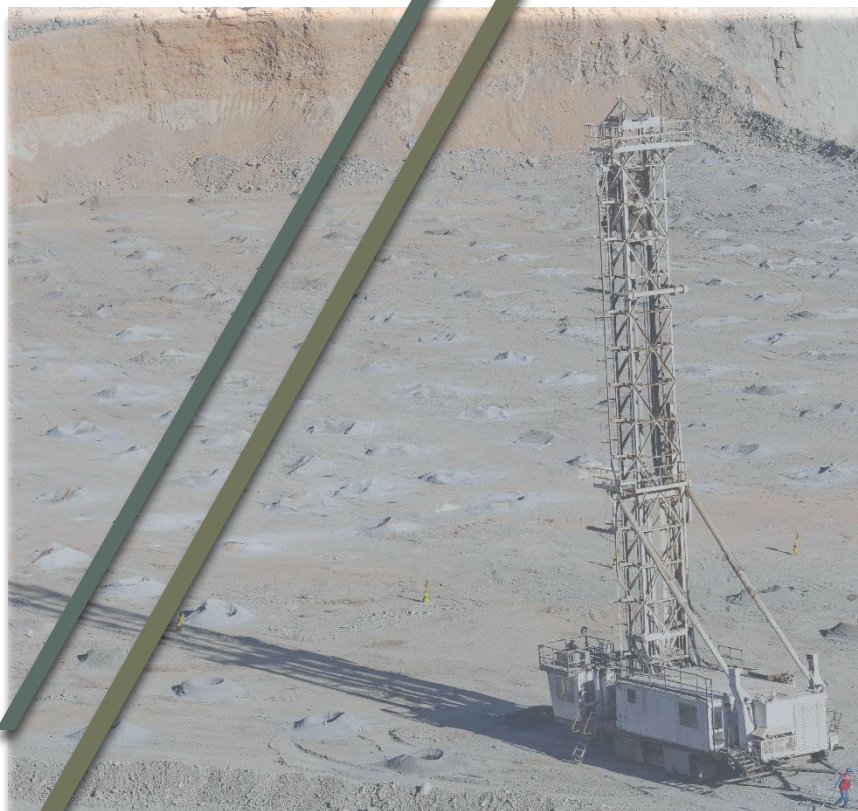
- **Drilling Services:**

MAN Operations recognizes the critical importance of downstream value in high-precision drilling and consistently delivers precision drilling to the highest standards

With extensive historical experience in drilling and blasting multi-seam ore bodies and effectively limiting ore dilution, few contractors can match our expertise in minimizing ore dilution.

- **Technology:**

MAN ExactDrill software enables real-time drilling progress and precision.



“Our Commitment to Excellence”

EVERY HOLE IS
DRILLED IN ITS
PLANNED
POSITION



EVERY HOLE IS
DRILLED TO
THE CORRECT
DEPTH



EVERY HOLE IS
CORRECTLY
CHARGED



OPTIMIZED
FRAG

LOWER
OPERATING
COSTS

ENHANCED
SAFETY

REDUCED
EQUIPMENT
DAMAGES



“MAN ExactDrill software enables real-time drilling progress and precision with predictive floor mapping”



MAN OPERATIONS – MINING DIVISION

LOAD, HAUL, DUMP & CONSTRUCTION



MAN Operations is a premier supplier of mining equipment & technical services. We pride ourselves in our Mining and Business Improvement programmes where we specialize in data analysis, compliance tracking, and the revitalization of distressed mining operations. Our team of seasoned professionals leverages in-house developed software, hardware, and reporting platforms to provide real-time operational performance tracking and comprehensive metal accounting from the geological block model to the point of sale.



MAN OPERATIONS – MINING DIVISION

LOAD, HAUL, DUMP & CONSTRUCTION

Our comprehensive mining services are designed to meet the diverse needs of construction and excavation projects of all sizes. We utilize state-of-the-art equipment and technology to ensure efficient and reliable material handling. Our team of skilled professionals is committed to delivering timely and cost-effective solutions, from the initial loading phase through to the final dump. By adhering to stringent safety protocols and industry standards, we guarantee the highest level of service and minimize any potential disruptions to your project timeline.



CONSTRUCTION SOLUTIONS
TAILORED TO YOUR NEEDS



In addition to our general mining capabilities, we offer a range of construction solutions tailored to meet the specific demands of your project. Our services encompass site preparation, material supply, and road maintenance, ensuring a comprehensive approach to construction logistics. Whether you need consistent material supply to keep your project on track or expert road maintenance to support site access and safety, our team delivers with precision and efficiency. We pride ourselves on our ability to adapt to the unique requirements of each job, ensuring that your project progresses smoothly and meets all regulatory and safety standards.



Partner with us to benefit from our commitment to quality and our proactive approach to problem-solving, and let us help you achieve your construction goals with exceptional reliability and effectiveness.

“Our downstream benefits realised for our clients”

Drilling



Identified average overclaims of 6552 m (out of 89 000m) on average per month by Contractors on drilling meters for a Client:

Value = 6 552 m x R 190/m (Hard Rock Cost - Dry Rate) = R 1 244 880 per month.

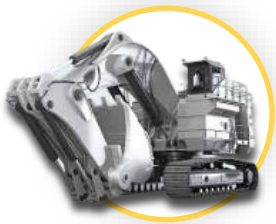
(Pilanesberg Platinum Mine)

Recovered on average 2230 m (17 000 m total claim running 3 drill rigs) for a Contractor that a client was unwilling to pay:

Value = 2 230 m x R 190/m (Hard Rock Cost - Dry Rate) = R 423 700 per month.

(Sedibelo Kgabo Mining)

Load & Haul



Through our strategic improvement of the drilling practices the Mining operation increased from a total of 1,35 million bcm to 1,6 million bcm with the same equipment burning the same number of hours, incurring less property damages, decreased fuel burn, increased GET -& -tyre life.

A total saving of R 17 million per month (18 %)

(Tharisa Minerals 2020 to 2022)





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