

INTRODUCTION TO LESEDI DRILLING



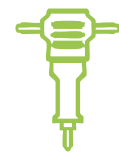
Introduction to Lesedi Drilling



ABOUT US

Lesedi Drilling, a member of the SSC Group, is a **100% Black-Owned**, Level 2 BBEE company with over 24 years of experience in underground and surface exploration diamond drilling.

We specialize in operating Pneumatic, Hydraulic and LM machines and consistently drill over 140,000 meters annually.



WHAT WE DO

We employ over 400 people, delivering **safe exploration drilling services** to top-tier mining clients. We deploy state-of-the-art drill rigs with competently trained operators and supervision ensuring constant results for our clients.



INNOVATION

We utilise **locally manufactured** drilling accessories including drill bits and rods manufactured by its associated local supplier, ensuring that innovation, product development, and productivity are key to our service offerings. We further have **innovative drilling fluid solutions** to compliment the drilling conditions.



SAFETY AND CLIENT-FOCUSED

We strive for excellence in every aspect of service delivery, continually evolving in meeting the changing demands of the mining sector and in particular ensuring that we **meet our client's expectations** without compromising the **safety of our employees**.

Delivering quality exploration drilling services for over 24 years

Why choose Lesedi Drilling

INNOVATION

We stay ahead of the competition by constantly evolving and incorporating the latest drilling technologies

LOCAL MANUFACTURING

We utilise drill bits and rods manufactured locally by one of our associate companies



EXPERIENCE

With over 24 years of experience, we bring unparalleled expertise to every project

SAFETY

Safety is our top priority, and we have a proven track record of delivering safe, compliant services

EMPOWERMENT AND TRANSFORMATION

We are 100% Black-owned, with a **37 %** employee empowerment shareholding , with a strong commitment to empowerment and transformation in the South African mining industry

Safety and risk management programs

Safety is a non-negotiable and each employee has the right to return home unharmed from work each day. We utilize predictive analytics and thorough risk assessments to mitigate potential hazards before they arise.

Safety is at the heart of everything we do at Lesedi Drilling – it is more than just a priority – it is a core value embedded into every process, system, and decision we make. Our safety protocols are meticulously designed to protect our employees, clients, and the environment.



Emergency Readiness

State-of-the-art equipment combined with regular safety drills ensures that we are always prepared to respond swiftly and efficiently to any incident.

Employee Empowerment

Every employee undergoes extensive training, ensuring they are well-equipped to handle any scenario safely and effectively.

Safety isn't just a checkbox for us; it's the bedrock of our success; all tasks are carried out with the highest levels of care, ensuring the well-being of all involved.

Lesedi Drilling offers a comprehensive range of services to meet the unique needs of the mining industry

Range of services

Underground Exploration Diamond Drilling

We specialize in exploration and cover drilling, providing accurate core samples to help geologists assess reef location and ore quality for mine planning. Our expertise ensures precision, safety, and efficiency in all drilling operations.



Surface Exploration Drilling

From mineral exploration to geological data collection, our surface drilling services ensure efficient and accurate results. We use advanced technology to reach optimal depths and provide valuable geological insights meeting the needs of the clients' mineral resource team.



Our drill rig fleet

Underground



- MetreEater® – Pneumatic
- MetreEater® – 37 Kw Hydraulic
- Adder – 22 Kw Hydraulic
- Adder – 37 Kw Hydraulic
- Viper – 45 Kw Hydraulic
- Mamba – 45 Kw Hydraulic
- Mamba – 75 Kw Hydraulic
- LM™ 75 – 75 Kw Hydraulic
- LM™ 90 – 90 Kw Hydraulic

Surface

- Explorac – 100
- Boyles – C6C

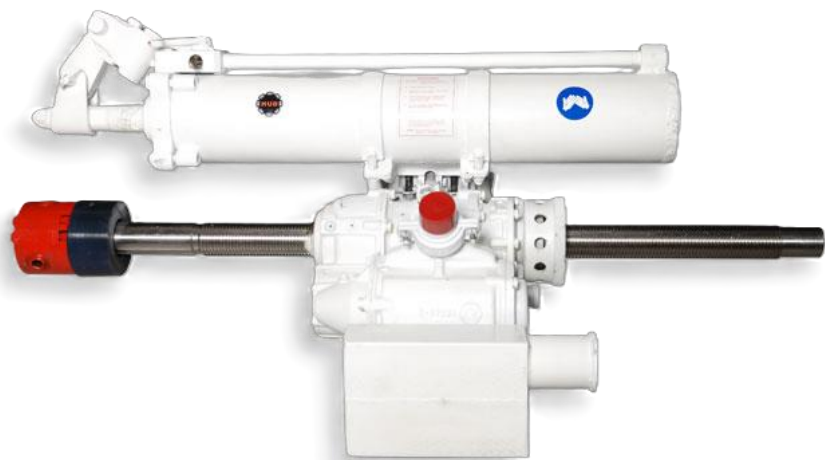


Planned Maintenance Programs

We understand that maintaining equipment is critical to operational efficiency. Our planned maintenance programs are designed to minimize downtime and extend the lifespan of our drilling equipment. With regular inspections, proactive parts replacement, and expert calibration, we ensure that our machinery remains in peak condition, allowing for uninterrupted safe productivity and reduced repair costs.

Our underground drill rig fleet

METRE EATER®



Supplier/Manufacturer
 HUD Mining Supplies

Drilling Depth Capacity (AQ Rods)
 190 m Horizontal
 150 m Vert (up/Down)

Drilling Method
 Underground Pneumatic or Hydraulic
 Core Drilling

Fully Integrated Power Pack and Control Console
 37 kW Power Pack

Max Operating Pressure
 21 Mpa Main Stage
 18 Mpa secondary stage

Air Consumption
 8 to 20 m³/min (280 to 700 cfm)

ADDER SV-370 EXPLORATION DRILL



Supplier/Manufacturer
 Shaw Equipment

Drilling Depth
 Vertical UP- 250 m (AQ) 200m (BQ)
 Vertical Down- 400 m (AQ) 375m (BQ)
 Horizontal- 375 m (AQ) 350m (BQ)

Feed Length
 750mm

Motor
 22 or 37 kW / 525V Flame proof optional

Height
 1 250 mm

Width
 900 mm

Length
 1 800mm



Our underground drill rig fleet

VIPER SV-450 EXPLORATION DRILL



Supplier/Manufacturer

Shaw Equipment

Drilling Depth

Vertical UP- 250 m (AQ) 200m (BQ)
Vertical Down- 400 m (AQ) 200m (BQ)
Horizontal- 375 m (AQ) 350m (BQ)

Feed Length

1 200 mm

Motor

45 KW/525V Frame Proof Optional



MAMBA SM-750 EXPLORATION DRILL



Supplier/Manufacturer

Shaw Equipment

Drilling Depth

Vertical UP- 250 m (AQ) 350m (BQ) 225 (NQ)
Vertical Down- 400 m (AQ) 900m (BQ) 650m (NQ)
Horizontal- 375 m (AQ) 1 100m (BQ) 800(NQ)

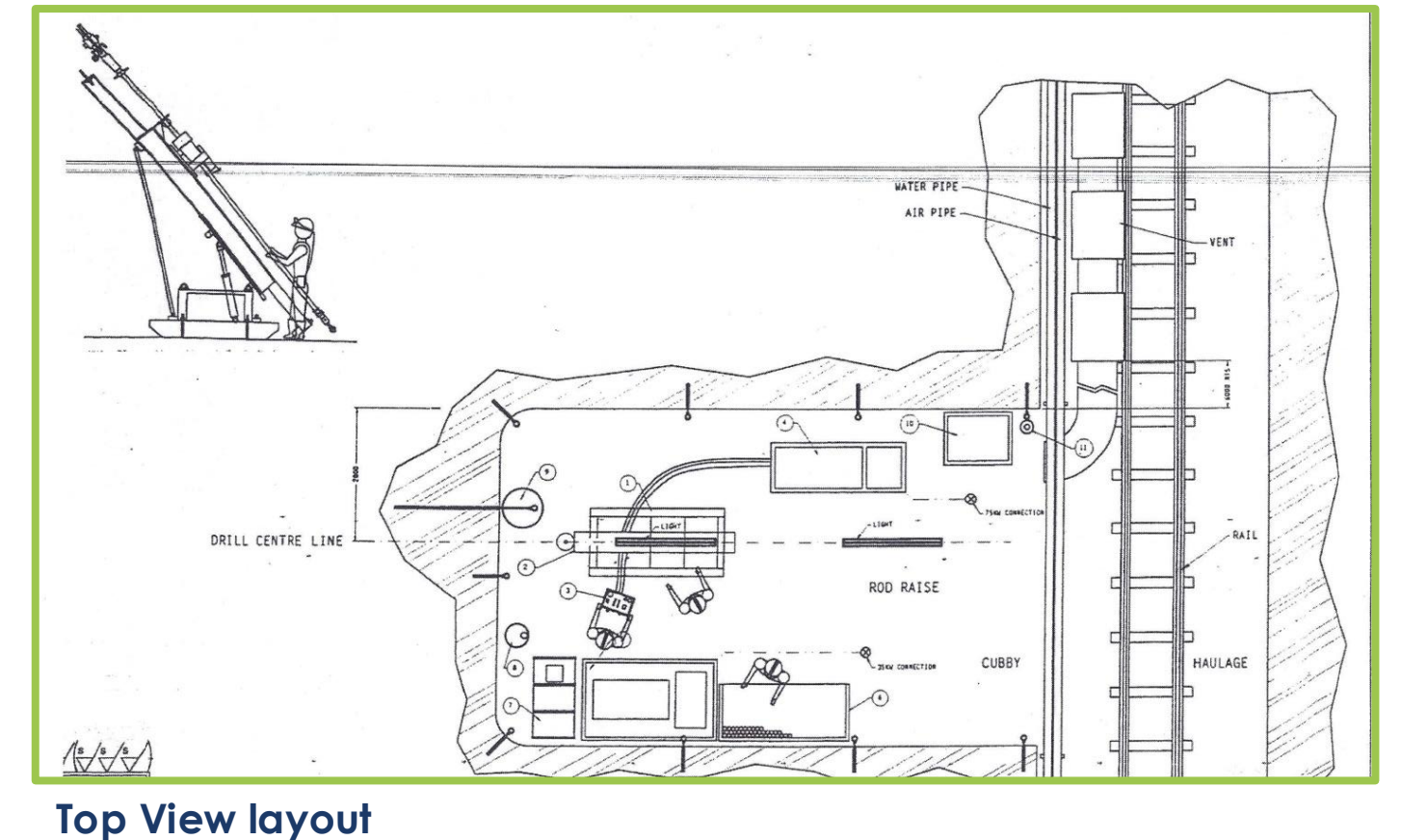
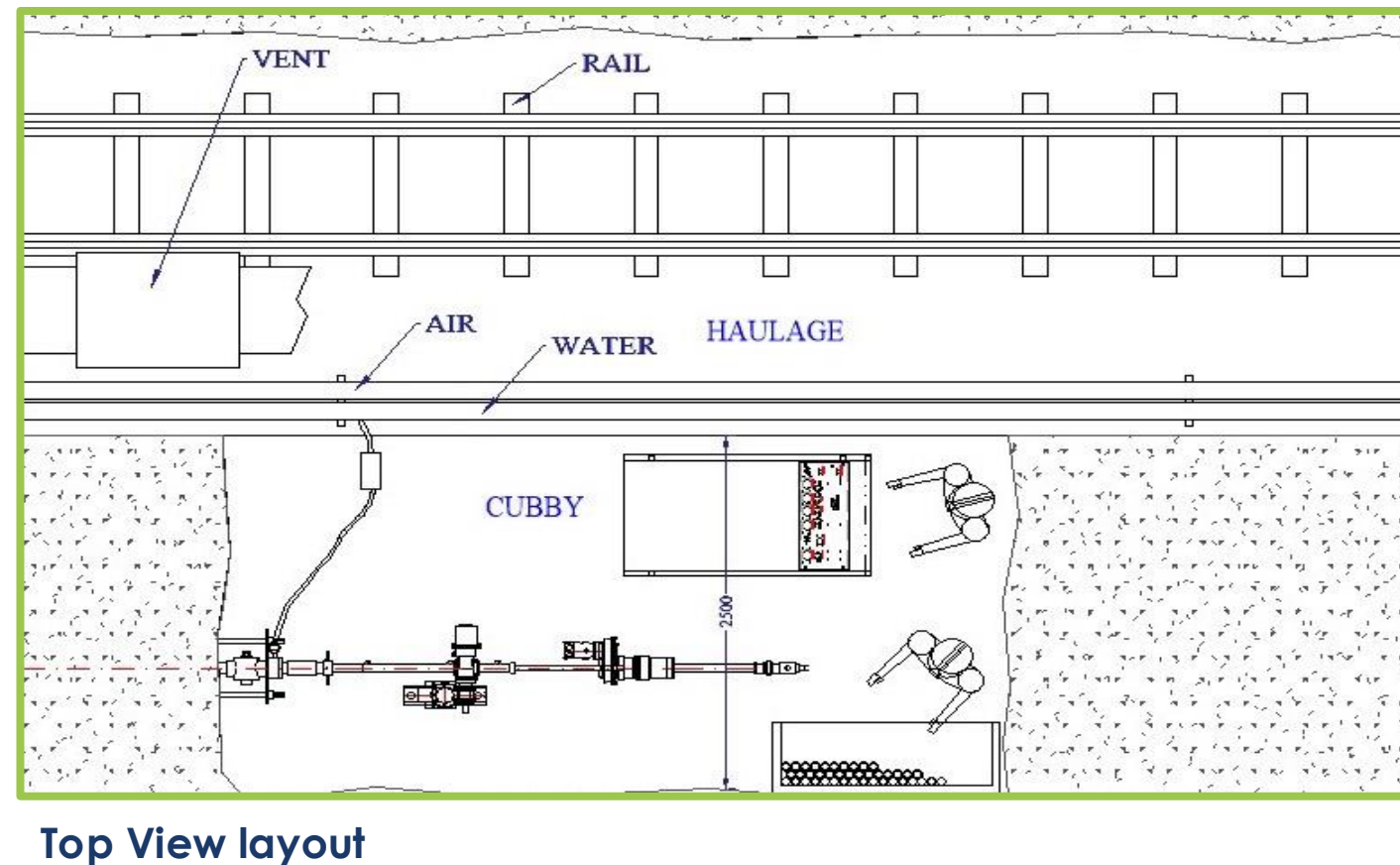
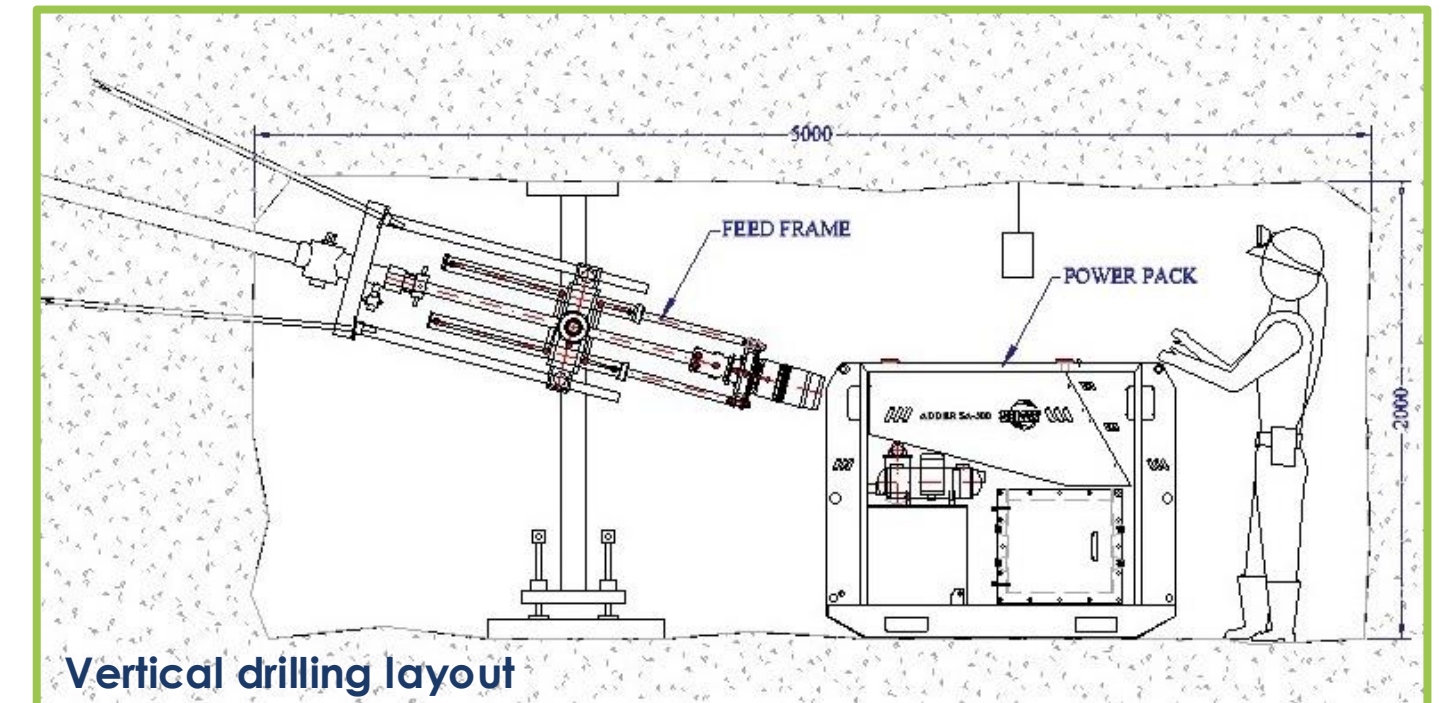
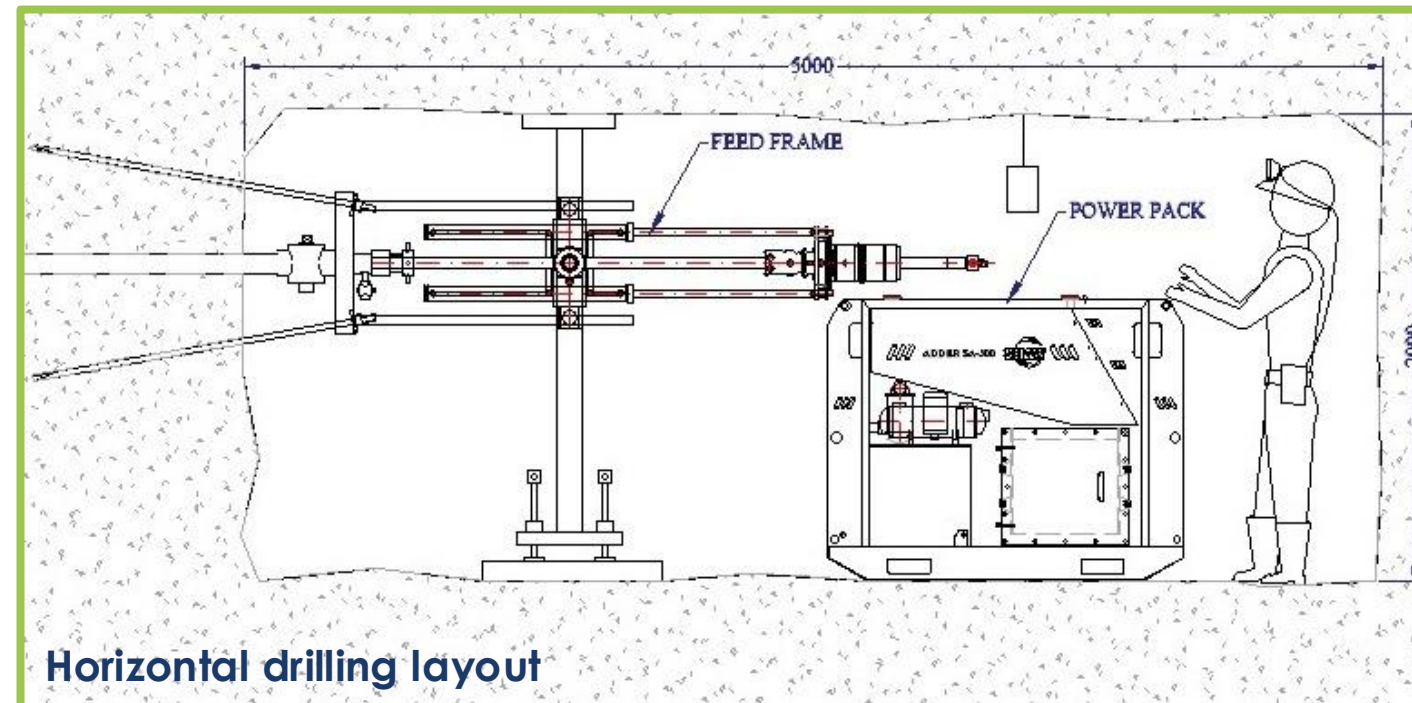
Feed Length

1 200 mm

Motor

45 KW/525V Frame Proof Optional

Drill site layout and dimensions for Adder, Viper and Mamba



DRILL SITE LAYOUT SKETCH

LMtm 90 exploration drill

LMTM 90 EXPLORATION DRILL



Supplier/Manufacturer

Boart Longyear

Drilling Depth

Vertical UP- 820 m (AQ) 430m (BQ) 260 (NQ) 130 (HQ)

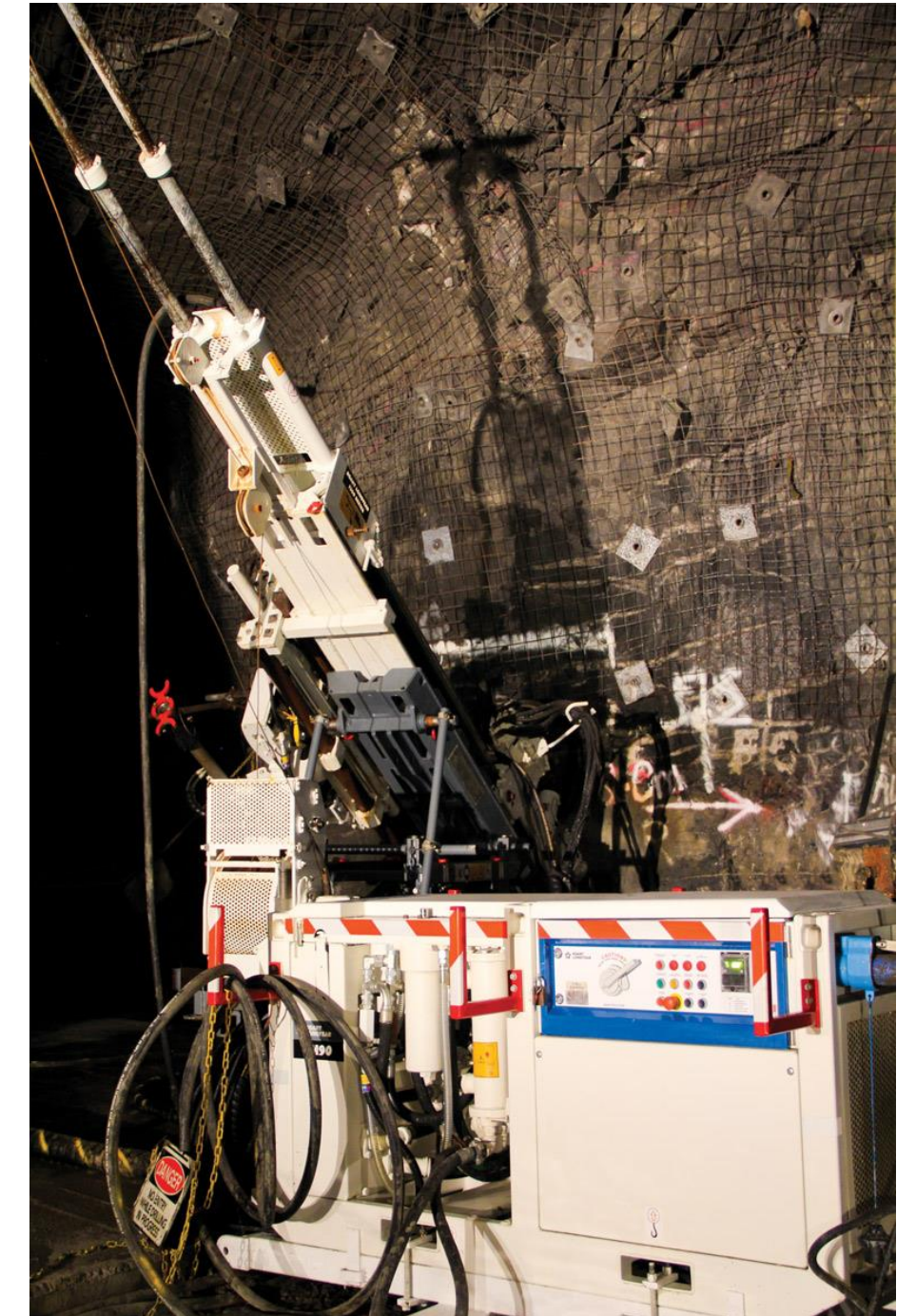
Vertical Down- 1 500 m (AQ) 1 350m (BQ) 990 m (NQ) 610 (HQ)

Horizontal- 1 500 m (AQ) 1 500m (BQ) 1 190 m (NQ) 610 (HQ)

With Cylinder Reversed- 1 500 m (AQ) 930 m (BQ) 620 (NQ) 360 m (HQ)

Feed Length

1 830 mm



Our surface drill rig fleet

Boyles C6C



Supplier/Manufacturer

Epiroc

Drilling Depth Capacity

0 m- 1 824 m

Drilling Method

Surface Core Drilling

Max Rod Size

210 mm

Installed Power

168 kW

The Explorac 100, available on a crawler chassis, is designed specifically for reverse circulation drilling and other down-the-hole drilling applications

Explorac 100

Supplier/Manufacturer

Epiroc

Drilling Depth Capacity

0 m- 250 m

Drilling Method

Down-The-Whole Circulation





Dry Drilling Techniques

In conditions where water is scarce or drilling with fluids is impractical, our dry drilling techniques offer an effective alternative. These methods allow for fast and efficient drilling without the need for water circulation, reducing environmental impact while maintaining the integrity of the project. Dry drilling is ideal for arid regions or environmentally sensitive sites.

Drilling Accessories

Lesedi Drilling purchases all its drilling accessories from one of its associate companies in the SSC Group. These products are locally manufactured and provides Lesedi Drilling the ability to develop bespoke and condition specific drilling accessories ensuring that it provides the most efficient drilling parameters to its clients.

Current operations

Lesedi Drilling operates throughout South Africa, with key projects in the Free State, Limpopo, Northwest, and Gauteng provinces.

We are proud to support major mining operations in these regions, partnering with some of the country's most well-established mining companies.

Lesedi Drilling is geared for expansion and growth in both underground and surface exploration drilling, with plans to offer our expertise to the broader African continent.





MEMBER OF THE SSC GROUP

The Lesedi Drilling Directors and Senior Management



Fred Arendse
Group Chairman & CEO

Fred is a mining entrepreneur and founder of the SSC Group, with 3 decades of experience in the mining industry and serves on numerous Boards. Fred plays an active leadership role for peace and stability in the SA mining industry. He has a degree in HR, and Business Management. He is also the Founding Chairman of the Foundation for Peace and Prosperity (NPO) and the founding President of the Junior Mining Council of South Africa.



Martin Schermers
Group CFO & COO

Martin has 4 decades of experience across various fields predominantly in the mining sector and a background in finance. Martin has sterling experience in governance, internal controls, financial statements, reporting, IFRS, compliance, and risk management. Martin holds a B.Compt degree and is an AGA(SA).



Dr. Godknows Mudimu
Director and Executive Head of
SSC Advisory

Dr. Godknows holds a PhD in Mining and Labour Law, an LLM in Human Rights, a BSocSc, and an LLB. Dr. Godknows specialises in developing sustainable solutions for mining companies and the communities impacted by their operations. His interests include ESG, occupational health and safety, community development, and equitable sharing of mineral resources. He is a registered member of SAIOSH and a research associate at MLiA, with a focus on ESG governance.



Andre Dreyer
Operations Manager

André has over 20 years of mining experience. He holds an Explosives Engineers Certificate of Competency, a Civil and Opencast Blasting Certificate, various Mining Machinery Operating Qualifications and is currently completing his Diploma in Mining Engineering.



Our clients





MEMBER OF THE SSC GROUP



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Charles de Gualle Crescent
Highveld
Centurion
South Africa
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