



COMPANY PROFILE

Reg No: 2015/219470/07

sanele@bhunganeminerals.co.za

ABOUT US

At BHUNGANE MINERALS, we are driven by a commitment to deliver accurate, reliable, and innovative services to the mining industry. Based in Middelburg Mpumalanga, our company specialises in coal analysis, mining support solutions, and advanced digital services that promote safety, efficiency, and environmental responsibility. We pride ourselves on being a dependable partner to both local and international mining operations.

Our mission is to empower the mining sector with trusted analytical and technological solutions. By combining our deep industry knowledge with state-of-the-art equipment and methods, we ensure our clients achieve operational excellence and regulatory compliance.

VISION

To become a leading provider of analytical, technical, and digital solutions in the mining sector across Africa.

MISSION

To deliver reliable and efficient coal analysis and mining support services.

To provide innovative digital solutions for improved mining operations.

To uphold sustainability, safety, and environmental integrity in all our work.



Core Values

- **Accuracy:** We deliver precise and dependable results in all our services.
- **Integrity:** We operate with honesty, transparency, and strong ethical standards.
- **Innovation:** We adopt modern technologies to improve efficiency and effectiveness.
- **Environmental Responsibility:** We promote sustainable practices that protect the environment.

Our Objectives

DELIVER PRECISION IN COAL ANALYSIS

To provide accurate, reliable, and compliant coal analytical services that support quality assurance and industry standards.

PROMOTE ENVIRONMENTAL SUSTAINABILITY

To supply effective dust control systems and air filtration solutions that help reduce environmental impact and improve workplace safety.

SUPPORT OPERATIONAL EFFICIENCY

To offer dependable coal sampling, transport, and predictive maintenance solutions that enhance productivity and minimise downtime.

DRIVE INNOVATION AND CLIENT SATISFACTION

To continuously adopt new technologies and maintain a client-focused approach that ensures tailored solutions and long-term partnerships.



OUR SERVICES

We support the mining value chain through:



COAL ANALYTICAL SERVICES

- Sample preparation
- Floats and sinks analysis
- Apparent relative density of coke
- Sieve analysis
- Proximate analysis (ash, volatiles, moisture)
- Total and forms of sulphur
- Gross calorific value
- Ash constituents
- Phosphorus
- Crucible Swelling Index
- And more, tailored to client requirements



PREDICTIVE MAINTENANCE & REMOTE SUPPORT

Using advanced technologies, we provide remote diagnostics, predictive maintenance, and digital solutions that help preempt downtime and improve asset lifespan.



MINING EQUIPMENT & VEHICLES

Supplying high-performance equipment and vehicles for both open-cast and underground mining and construction needs.



COAL SAMPLING, TRANSPORTATION & ANALYSIS

From the mine to the lab, we handle sampling and logistics with precision to ensure sample integrity and analytical accuracy.



DUST CONTROL SYSTEMS

We offer dust collectors and scrubbers to minimize environmental impact and improve air quality in and around mining operations.



OUR SERVICES Continued



BIAS TESTING

- Bias testing of sampling plants and equipment to verify sampling precision
- Ensuring reliable data for operational decision-making



PLANT AND PRODUCT CONTROL SAMPLING & ANALYSIS

- Sampling and testing on coal and mineral beneficiation plants
- Supporting process control, product quality, and recovery optimisation



ONSITE LABORATORY ESTABLISHMENT AND OPERATION

- Setting up and running fully functional laboratories at client sites
- Tailored to plant requirements and operational capacity

Coal Laboratory Services **In Detail**

Our coal testing laboratory is equipped with modern instruments and staffed with experienced technicians. We ensure the highest level of accuracy in every test, helping our clients meet safety, performance, and compliance standards.

Key Laboratory Capabilities:

- Ash and moisture content determination
- Calorific value measurement
- Sulphur analysis
- Phosphorus and volatile matter testing
- Density and sizing analysis
- Custom testing available upon request

All analyses are conducted in accordance with SABS, ISO, and ASTM standards.



Mining Equipment & Dust Control Solutions



EQUIPMENT SUPPLY

We supply a wide range of vehicles and equipment, including:

- Loaders
- Dump trucks
- Underground drilling units
- Utility vehicles
- Maintenance tools and safety systems



AIR QUALITY SOLUTIONS

Our environmental control systems include:

- Mobile and fixed dust collectors
- Wet and dry scrubbers
- HEPA filtration units
- Air quality monitoring systems

We help mines meet environmental compliance goals and enhance site safety.

Digital Mining Solutions

Smart Mining Starts Here

We bring the future of mining to our clients today by integrating digital tools into traditional operations:

Remote Technical Support: Real-time problem solving from anywhere

Predictive Maintenance: Prevent breakdowns with AI-driven alerts

Sensor Integration: For machinery health monitoring

Data Analytics: Gain operational insights for performance optimization

IoT-Based Tracking: Monitor equipment and worker safety in real-time

Our digital services reduce downtime, optimize output, and increase safety.

Lighting Plants

Sales & Rentals

- Supply of high-quality mobile lighting towers for mining and construction sites.
- Available for purchase or rental depending on client needs.



PLANT CLEANING SERVICES



CONVEYOR SYSTEM CLEANING

- Removal of coal build-up from belts, pulleys, scrapers, and related components.



SPILL CLEANUP

- Clearing spillage from conveyor belts, feed tunnels, walkways, and ground floors.



EQUIPMENT CLEANING

- Cleaning of chutes, gearboxes, tripper cars, and associated plant machinery.



BULK MATERIAL HANDLING

- Cleaning between pipelines, handling dry slurry, and removing vegetation around plant infrastructure.



ASH AND WASTE REMOVAL

- Vacuuming hot ash from silos, de-sludging sumps, and managing waste residues.



SPECIALISED SERVICES



HIGH-PRESSURE CLEANING

- Using high-pressure water or abrasive cleaning techniques to remove stubborn build-up.



DRY ICE BLASTING

- A residue-free cleaning solution ideal for sensitive or delicate equipment.



CONFINED SPACE AND WORKING-AT-HEIGHT SERVICES

- Safe and compliant cleaning services in hard-to-access or restricted areas.



ENVIRONMENTAL AND WASTE MANAGEMENT

- Handling, management, and responsible disposal of waste materials and contaminated coal.



Contact Us

 072 812 4588

 sanele@bhunganeminerals.co.za

 Stand No 2641, Rockdale
Middelburg, 1055