



GEMS

Geological Exploration &
Mine Surveying

Company Profile

Accuracy that Builds Mines

www.gems.co.zw





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Executive Summary

GEMS Consulting, a division of GEMRISE GROUP, provides integrated consulting services in Mine Geology, Mine Surveying, and Mining Advisory. Through precision, professionalism, and innovation, GEMS delivers data-driven insights that empower mining operations to achieve excellence, efficiency, and sustainable growth.





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Company Overview

Business Type: Consulting Company
Established: 2025

Tatenda Mpala (AMSZ, IMSSA)
Registered Mine Surveyor
Chief Mine Surveyor Expert in Hard
Rock Mining (Open-Cast & Under-
ground) | Thought Leader | Geospatial
Advocate | Managing Director

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Our Services

GEMS Consulting (Geological Exploration & Mine Surveying) is a multidisciplinary mining consultancy providing end-to-end technical, operational, and advisory services to the mining sector. We support exploration, development, and production stages with a strong focus on accuracy, compliance, and value creation.





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Mine Surveying Services

We provide professional mine surveying services compliant with Ministry of Mines regulations and industry best practice.

- ◆ Mine claim surveys and survey grades
- ◆ Pegging support and boundary verification
- ◆ Establishment and maintenance of survey control networks
- ◆ Open pit and underground surveying
- ◆ Shaft plumbing and vertical control
- ◆ Development, drives, crosscuts, and raise surveys
- ◆ Topographic and detail surveys
- ◆ Volume calculations, reconciliation, and reporting
- ◆ Preparation of survey plans, sketches, and statutory submissions

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Mine Geology & Exploration Services

Our geological services support mineral discovery, evaluation, and resource confidence.

-  Geological mapping and logging
-  Exploration drilling supervision and sampling
-  Grade control and ore delineation
-  Resource estimation support
-  Geological interpretation and reporting
-  Exploration programme planning and execution support

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Mining Technical Services

We support safe, efficient, and cost-effective mining operations.

- ◆ Open pit mine planning support
- ◆ Production support and operational layouts
- ◆ Drill and blast technical support
- ◆ Bench design, pit optimisation, and layouts
- ◆ Mining method selection advisory
- ◆ Dilution and ore loss control



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Drilling & Blasting Services (Surface/Open Pit)

GEMS Consulting provides professional drilling and blasting services for gold and hard-rock mining operations, integrating survey precision with controlled blasting execution.

- ◆ Blast hole drilling (DTH and top-hammer methods)
- ◆ Production drilling for open pit operations
- ◆ Blast pattern design (burden, spacing, bench height)
- ◆ Pre-split and controlled blasting
- ◆ Restricted blasting with vibration and fly-rock control
- ◆ Survey pickup of blast hole collars
- ◆ Post-blast survey analysis and volume reconciliation
- ◆ Compliance with Ministry of Mines requirements

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Mining Advisory & Consultancy Services

We provide independent technical and strategic advice to mine owners, investors, and operators.

-  Technical due diligence
-  Feasibility and pre-feasibility support
-  Mine start-up and operational advisory
-  Regulatory and compliance advisory
-  Cost optimisation and productivity improvement
-  Risk assessment and mitigation

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Project Management & Compliance Support

We assist clients in managing mining projects from concept to execution.

-  Mining project coordination and oversight
-  Contractor supervision and performance monitoring
-  Technical reporting and documentation
-  Health, safety, and environmental compliance support
-  Statutory reporting and regulatory liaison

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Why GEMS Consulting?

- ✓ Integrated surveying, geology, mining, and blasting expertise
- ✓ Strong regulatory and compliance focus
- ✓ Practical, field-driven solutions
- ✓ Accuracy that Builds Mines

Contact Information

GEMRISE GROUP T/A GEMS Consulting

E-mail: info@gems.co.zw

Phone: +263 772 833 552

Location: Office No: 554 Northgate Heights, Gweru, Midlands





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