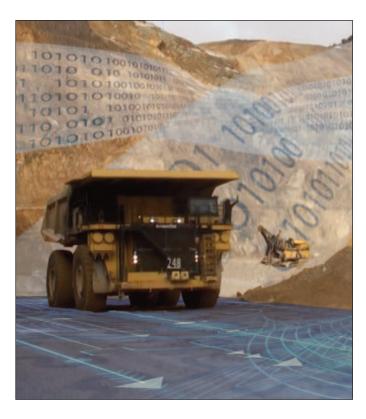


Matrix Analytics Group

Data Analytics and Numerical Modeling
That Maximizes Productivity.



The Matrix Analytics Group provides expert perspectives based on data analytics and numerical modeling that helps drive optimal decision-making for mining operations.

Most modern mining operations have a variety of methods to gather data. What is lacking at most places is someone that can evaluate all that data and put it in a format that makes sense.

By combining decades of mining expertise with modern data analytic techniques, Matrix Analytics facilitates discussion that's aligned with the strategic goals of its clients. Utilizing a model-based approach, Matrix Analytics provides diverse insights into business and operations.

Currently based in Johannesburg, South Africa, Matrix Analytics' current focus is hard rock mining in South Africa and select mining operations in the United States.

Traditional Operation Study

- Mine and cost modeling
- Business case modeling
- Scenario analysis
- Flexibility, opportunity cost

Management Consulting

- Acquisitions & mergers strategy
- Peer review
- Market research/competitor analysis

Data Analytics

- Historical performance
- Statistical analysis
- Simulation / "What if" analysis
- Genetic algorithms