MAPTEK™ Vulcan™

UNDERGROUND GRADE CONTROL

Vulcan Underground Grade Control integrates all exploration, production and geological data into one grade control database for efficient modelling and precise grade estimation.

HOW DOES IT WORK?

INPUT

Vulcan Underground Grade Control takes information from disparate data sources to generate models, reserves and plans.

Data sources include:

- Sample data
- Face mapping
- Grade models
- Reserve reports and plans
- Assay and geological data
- Drilling (exploration and production)
- Channel and grab samples

OUTPUT

A grade control model is generated in minutes via an automated specification-driven process.

The grade control model can be reconciled against the exploration block model to generate:

- Accurate tonnage, grade and ounces
- Accurate reserves reports
- Profit information

YOUR QUESTIONS ANSWERED

What information does it use to create the block model?

The automated process will access the most up-to-date information to develop the grade control model.

Can I customise the information used to create the block model?

Yes. It is possible to specify which information is used for the block model.

How long does it take to develop the block model?

Typically the process takes minutes. This is of course dependent on the volume of information incorporated into the block model.

BENEFITS

1. Easily gather disparate grade control information to ensure production targets and plant requirements are met.
2. Quickly generate models, reserves and plans based on the most up-to-date information.
3. Precisely predict ore characteristics and partition material stockpiles to accept each ore type.
4. Increase ROI by accurately segregrating high-value ore types in material stockpiles before processing.