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

**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 segregating high-value ore types in material stockpiles before processing.