

SYSTEM COMPETENCIES

- Mine Geology & Management
- Structural & Geology Mapping (in pit and underground)
- Resource Extension Near Mine Exploration
- Auditable Grade Control System
- Grade Estimation & Ore Block Mark Outs
- Mine to Mill Reconciliation



CAPABILITY

Mining Associates is a specialist global geological and mining consultancy, with a head office located in Brisbane.

We are focused on providing you with an understanding of the fundamental geological controls to add value to your project. The grade control system provides a logical workflow for grade control geologists to perform their daily tasks efficiently, ranging from data integration, drill hole and model flagging, to estimation and dig block designing.

Mining Associates are skilled in the use of Surpac and the grade control requirements of various mine sites, and work in conjunction with clients. Each system builds on past experience and is tailored to individual site requirements. This, in combination with statistical and geostatistical analysis tailored to the specific deposit, allows Mining Associates to provide the most accurate grade control models for production, providing an auditable model of detailed reconciliation to production and mill.

Mining Associates has your grade control covered.

EXPERIENCE – GRADE CONTROL SYSTEMS

- **Sinivit Gold Mine, PNG (Au)** – two small open pit mines owned by New Guinea Gold
- **Cockburn Pit, WA (Au)** – large open pit owned by Navigator Resources.
- **Toka Tindung, Indonesia (Au)** - several open pits owned by Archi Group
- **Mt Boppy, NSW (Au)** - small open pit mine owned by Manuka Resources

FEATURES

- Easy to use – familiar Surpac Guido forms
- Provides efficiencies from assay return to dig block mark out
- Based on Surpac functions and is not a “black box” system, editable by the client.
- Has a streamlined step-by step process flow
- Input parameters are client-customisable (csv file)
- Manages file naming and storage
- Utilises various estimation methods as a cross reference
- Produces and stores audit files throughout the process
- High quality and timely support
- Production reporting
- Mine to mill reconciliation