

GOLD

- Geology
- Exploration
- Ore Body Modelling
- Production planning and control
- Technical Systems
- Independent Technical Reports and Audits.
- Feasibility Studies, Due Diligence & Valuations.



Gold panning, Philippines

CAPABILITY

Mining Associates is a specialist minerals and energy consultancy based in Brisbane, Australia. We are focused on providing you with an understanding of the fundamental geological controls to add value to your project. The company undertakes high level work across a wide spectrum of mineral commodities, geological settings and mining methods on a diverse range of projects both within Australia and Internationally. We are focused on supplying specialist advice and world's best practice products. We have a strong combination of "hands on" experience and the latest methods to provide our clients with unique solutions to their needs.

Mining Associates staff have been working on Gold projects for more than 20 years across a wide range of deposits in the Australasia/Pacific area. This has focused on exploration support, deposit geology, ore body modelling, resource and reserve estimation for project development, production support and in an independent technical advisory capacity.

Staff Project Experience

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| <ul style="list-style-type: none"> ■ Drummond Gold Limited, Australia (Au), Technical support, Director; ■ Ernest Henry, Australia (Cu, Au), in-depth DD for purchase; ■ Golden Pig, Western Australia (Au), resource estimation, production control and reconciliations; ■ Harmony Australia (Au)* – Review of Australian assets for merger with ARM; ■ Morobe, PNG. (Au Ag)*, in-depth DD for purchase and pre-feasibility; ■ Kainantu, PNG. (Au)*, continuing advisory role; ■ Kalgoorlie, WA (Au) – grade control procedures, QAQC and resource estimation; ■ Kolar Goldfield, India * – Technical review and valuation; ■ Lihir Gold – Independent review of resources and mining for bank refinancing plus on-going technical review of annual corporate plans; ■ New Holland Mining NL - Heathcote, Vic, Australia. (Au)*, past Technical Director; | <ul style="list-style-type: none"> ■ Masbate, Philippines (Au), Resource estimation for Feasibility Study and NI43-101 Technical Report; ■ Red October, WA (Au) – production control, alluvial and underground and resource estimation; ■ Selwyn, NW Qld, Australia (Cu & Au)*, Technical role for Receivers; ■ Zijin Shan, Fujian, China, (Au and Cu), Independent Technical Report for listing HKSE. |
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Specialist Skills

- Grade Control Procedures, - drill programmes, sample procedures, QAQC, data management, grade estimation systems;
- MA Narrow-Vein Modelling System, - developed to speed the resource estimates of narrow-vein epithermal gold deposits in Surpac;
- Reconciliation Procedures, Resource, Grade Control and Mill Reconciliations;
- Technical Reporting of Resources to International Standards, (JORC, NI43-101)