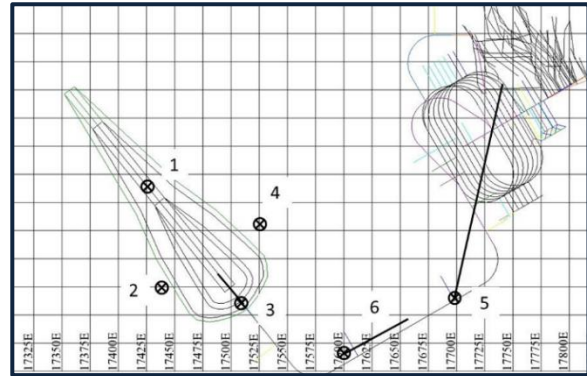


GEOHART is a mid-tier multidisciplinary engineering consultancy providing an efficient consulting service through innovation and experience for mining projects specialising in:

- Underground and open pit mine design
- Scoping to Bankable Feasibility Level Studies
- Due diligence studies
- Pit optimisation
- Mine production planning and scheduling
- Owner versus contractor evaluation
- Mining method and equipment selection
- Cost

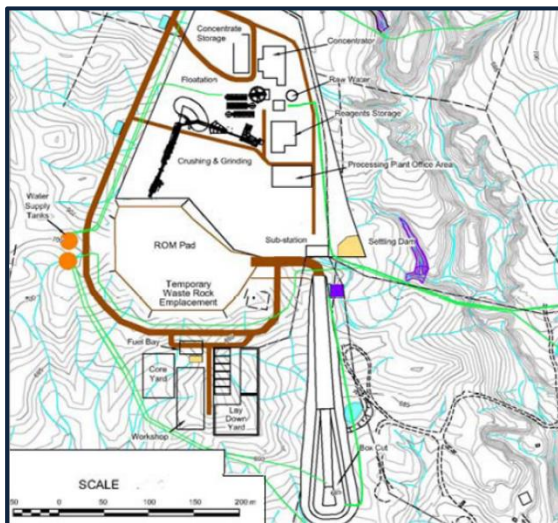
Geohart's mining engineering team's experience allows us to offer suitable solutions mining projects for a wide range of commodities, mineralisation styles and geological environments. We produce mine plans for both open pit and underground mining.



Conceptual mine design.



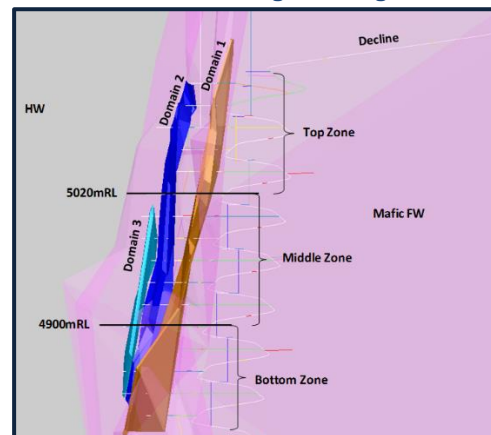
Rehabilitation and construction and assessment.



Mine Infrastructure.

We combine the latest design tools with our years of experience to deliver innovative solutions that add value to our clients' businesses.

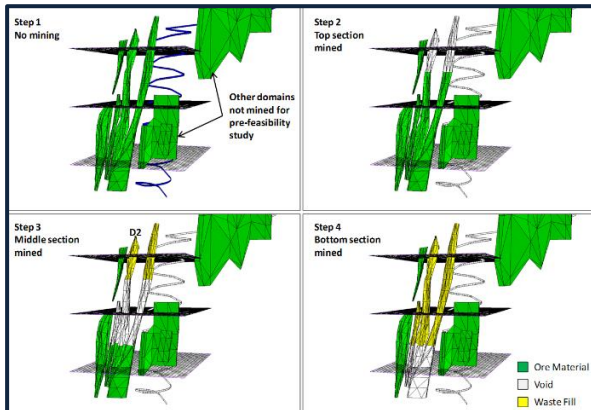
In collaboration with the mine geologist we establish ore boundaries for the specific cut-off grade mineralisation zones. Establishing mineralisation zones using cut-off grade.



Establishing mineralisation zones using cut-off grade.

During feasibility stages and in collaboration with the Geotechnical Engineers stopes and pits are designed and mining sequences are established to minimise the risk of large regional

instability.



Establishing mining method, stope shapes and sequencing.

We work closely with our clients (i.e. multi-national mining companies through to small operations) in need of expert technical advice. Our experienced mining engineers work on projects alongside client's mining engineers / project managers with a view to mitigating risk, enhancing project value and enabling sound commercial decisions.

We provide further consulting services in the areas of:

- Reserve block model and design stage plans and schedule for life of mine.
- Assessing mine options for defining prefeasibility study.
- Providing mine engineering services in support of a BFS, including haulage modelling, dump design and short-term planning of a pre-production pioneering ridgeline cut.
- Improved generation of mine reserve and mine reporting.
- Project management services for mine development planning.
- Project management services for mine contracting
- Operational support including monthly strategic scheduling of mine operations (LHOS with Pastefill).
- Inception and implementation of Tech Services systems improvements.
- Void modelling & Data management
- Mentoring of Production Engineers Ring and Blast Design (LHOS with CAF/RF).
- Establishing mine VentSim station network modelling.
- Preparation of JORC reserves, feasibility,

MARP and U/G tender documents.

- Preparation of LOM strategic designing & schedule (LHOS with RF/CRF) Drill & blast standards review, implementation and supervision.
- Construction Supervision of bulk earthworks as well as detailed excavations.



Earthwork supervision.

- Owner versus contractor mining evaluation.
- Cost and productivity modelling
- Mining equipment selection
- De-bottlenecking



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