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to your operation.
Add confidence to
your investment
decision.*


**Xenith**

METALS & MINERALS INDUSTRY CONSULTING



Project, Concept & Feasibility Studies
Resource Evaluation & Geological Modelling
Operations Planning, Design & Scheduling
Due Diligence & Technical Reviews
Coal Industry Consulting
Valuation & Corporate Advisory
Metals & Minerals Industry Consulting
Business Optimisation, Financial Modelling & Cost Review
Infrastructure & Project Management
Exploration Management
Land Rehabilitation
Environment & Approvals

METALS & MINERALS INDUSTRY CONSULTING



XENITH PROVIDES A FULL MULTI-DISCIPLINARY CONSULTING SERVICE FROM RESOURCE TARGET GENERATION AND EXPLORATION MANAGEMENT THROUGH TO GEOLOGICAL MODELLING, MINE OPERATIONAL SUPPORT, FEASIBILITY STUDIES AND DETAILED MINE PLANNING, INCLUDING SPECIALIST FINANCIAL ANALYSIS, INFRASTRUCTURE DESIGN AND CORPORATE ADVISORY FUNCTIONS.

Xenith has an extensive history of working with our clients across the full spectrum of metal and mineral commodities and operating environments. Our in house professional engineering and geology team has demonstrable experience in both open cut and underground metalliferous operating environments including world leading specialised expertise in block and sub-level caving techniques.

Expertise

Our team offers expertise in:

- Exploration program permitting, management, regulatory & safety compliance
- Geological modelling and technical auditing
- Concept, Prefeasibility and Feasibility studies
- Open cut and underground mining method selection design and optimisation
- World leading underground caving expertise
- Equipment selection, benchmarking and cost estimation
- Capital and operating cost estimation, modelling and analysis
- VALMIN Code Valuations and JORC Resource and Reserve Estimation
- Closure, Rehabilitation and Final Landform Planning
- Due Diligence studies and Merger/ Acquisition advisory.

Where required we utilise specialist technical services (e.g. metallurgy) through trusted associates ensuring a single consultancy interface for our Clients.

Technology

Our team has expertise in, and utilises the following software:

- Deswik, Surpac, Vulcan, Minex, Minescape
- Spry, XPAC, Talpac, Whittle
- 3d-Dig Plus
- Xeras, RuleFour
- ArcGIS
- AutoCAD
- Leapfrog.

CASE STUDY

Xenith recently assisted KGL Resources in the development of an Ore Reserve in accordance with the JORC Code (2012) for their Jervois Copper project in the NT. This allowed KGL to issue a notification to the ASX of the Ore Reserve and utilise the Reserve Statement for the basis of a Pre-feasibility study which was completed in late 2020.

The Project Management Plan was subsequently given approval by the NT Government.

Company links to their announcements can be found [here](#) and at <https://newsroom.nt.gov.au/mediaRelease/34086>.

