



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

**Xenith**

RESOURCE EVALUATION AND GEOLOGICAL MODELLING



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



RESOURCE EVALUATION AND GEOLOGICAL MODELLING

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 a highly motivated and experienced team of resource geologists in our three offices. We have completed numerous publicly reported resource estimates in accordance with the JORC code across a number of commodities, with a proven reputation as coal specialists.

Xenith have combined state-of-the-art modelling software and tools with our extensive experience in the major coal basins around the world to accomplish our important assignments.

Our passion for fit-for-purpose solutions and by working closely with our clients, ensures that the combined geological knowledge of the team assessing the deposits is as strong as possible.

In recent times, the Xenith group has undertaken projects in Australia, Indonesia, Mongolia, Pakistan and Mozambique.

Expertise

Our team offers expertise in:

- Database Builds and Management
- Geological Modelling
- Geological Model Audits
- Conceptual Mining Studies
- Resource Estimation in accordance with the JORC code

Technology

Our team has expertise in the following software:

- Minescape • Vulcan • Minex • Surpac • Leapfrog
- acQuire and other specialist database packages.

CASE STUDY

A repeat client to Xenith was looking to raise capital for a potential acquisition of a coal mining lease located in central Queensland. In order to raise the required capital, the company required a JORC Resource Estimate to be completed.

Our client engaged Xenith to review the historical data, incorporate a number of new drill holes and to complete the JORC Resource Estimate.

Over 3 months, Xenith worked in close collaboration with our client, building up specific knowledge of the resource, while using Minescape software for the preliminary models.

