



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


**Xenith**

LAND REHABILITATION



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

LAND REHABILITATION



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's technical teams have extensive experience in delivering mine planning and environmental solutions through cross-discipline collaboration in the areas of:

- Mining
- Mine closure
- Environment
- Progressive Rehabilitation and Closure Plan (PRCP) (QLD)
- Estimated Rehabilitation Cost (ERC) (QLD)
- Mine Operations Plans (MOPs) (NSW)
- Rehabilitation Cost Estimate (RCE) (NSW).

Our team delivers the following core services:

- Progressive rehabilitation approach to mine planning
- Generating Life of Mine final void and landform surfaces
- Naturally "rolling" final landform design for mine closure
- Financial assessment of final landforms for mine closure
- PRCP Development and associated ERC estimate (QLD)

- Modelling of Geofluc landforms (NSW)
- MOPs development (NSW)
- Project management.

We continue to utilise specialist technical environmental services which are provided through key trusted associates, giving our clients a single consultancy interface.

Our team has expertise in a range of software packages including:

- 3d-Dig Plus
- Deswik
- Vulcan
- Minex
- Carlson – Geofluc
- GIS.

CASE STUDY

Xenith provided key elements in the development of the mine's closure plan for a Mine in Central Queensland which was costed and incorporated into the PRCP and supporting ERC. Final landforms, including the treatment of final voids, were developed in a manner which enabled the practical construction of the landform and rehabilitation to assist the approval of the EA modification.

