PROJECT, CONCEPT AND FEASIBILITY STUDIES

Add value to your operation, add confidence to your investment decision

Exploration Management
Due Diligence and Technical Reviews
Project, Concept and Feasibility Studies
Environmental Planning and Approvals
Risk, Insurance and Safety Management
Infrastructure and Project Management
Operations Planning, Design and Scheduling
Resource Evaluation and Geological Modelling
Business Optimisation, Financial Modelling and Cost Reduction
Add value to your operation, add confidence to your investment decision

Xenith's worldwide team of over 40 mining engineers, business analysts, infrastructure specialists, environmental scientists and geologists have wide-ranging technical and operational experience in many commodities and mining methods and specialise in the economics of mine planning in relation to mine design, operational improvement studies, property valuations, due diligence studies and strategic reviews.

Use of mine planning software forms an integral part of the consulting project work to achieve cost effective, innovative solutions. Xenith's services are internationally recognised and are supported through offices in Brisbane, Sydney, Singleton, Johannesburg and Jakarta.

Feasibility studies have been undertaken for mining projects around the world. The evaluation of a mining project from exploration through development and production is a lengthy and complicated process. The technical feasibility and economic viability of each project are determined during the phases of mine development with more detailed engineering data required at each stage with typically three levels of study (scoping or conceptual, pre-feasibility and feasibility). Feasibility studies are undertaken with specialists in geology, geostatistics, mine engineering, process engineering, geotechnical, environment, infrastructure, costing and mineral economics to produce a concise, cohesive study for the client.

Fields of Expertise

Feasibility Studies – Xenith specialise in mine feasibility studies. The “bankability” of our work has long been recognised by mining houses, financial institutions and resource industry investors. Xenith's Consultants are experts in geology, mining engineering, infrastructure, environmental and financial analysis. For other specialist areas such as geotechnical, hydrological, product specification and markets Xenith call on a number of highly regarded business associates as required.

Concept, Pre-feasibility and other – The mining group provides a diverse range of services in the fields of mine design, mine planning, mine operation and mine evaluation. As well as feasibility studies Xenith regularly carries out the following studies:

- Conceptual studies, pre-feasibility and feasibility examinations
- Mining method assessment
- Equipment selection
- Final landform design and rehabilitation planning
- Underground mine design and scheduling
- Due diligence studies
- Open pit mine optimisation, design and scheduling
- Mine services design
- Truck haulage analysis
- Mine infrastructure design
- Formulation and implementation of planning systems and processes
- Mine closure planning
- Business analysis and strategic planning

Xenith's worldwide team of over 40 mining engineers, business analysts, infrastructure specialists, environmental scientists and geologists have wide-ranging technical and operational experience in many commodities and mining methods and specialise in the economics of mine planning in relation to mine design, operational improvement studies, property valuations, due diligence studies and strategic reviews.