

# INFRASTRUCTURE & PROJECT MANAGEMENT

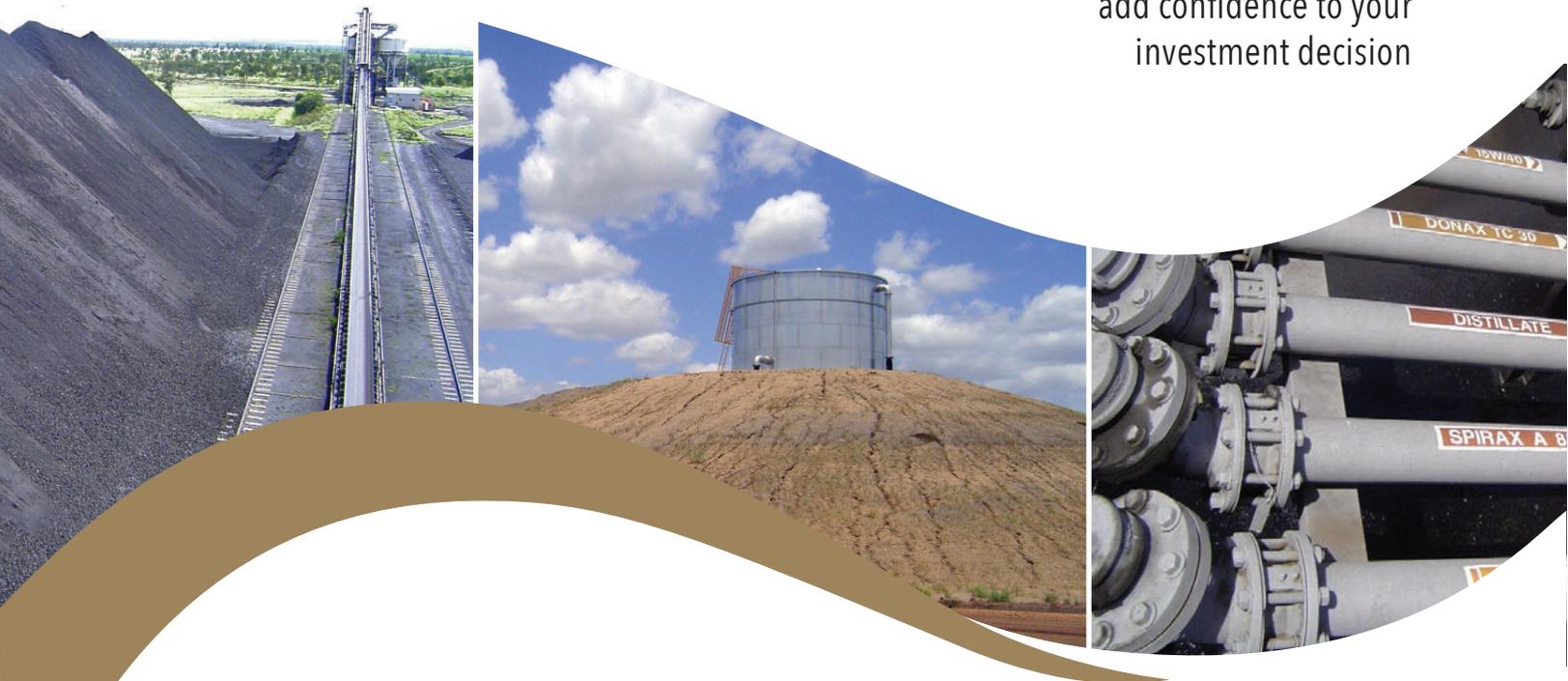
Add value to your operation, add confidence  
to your investment decision



Exploration Management  
Due Diligence and Technical Reviews  
Project, Concept and Feasibility Studies  
Environmental Planning and Approvals  
Infrastructure and Project Management  
Operations Planning, Design and Scheduling  
Resource Evaluation and Geological Modelling  
Business Optimisation, Financial Modelling and Cost Reduction

# INFRASTRUCTURE & PROJECT MANAGEMENT

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



XENITH PROVIDES A FULL MULTI-DISCIPLINARY ADVISORY SERVICE FROM INITIAL RESOURCE TARGET GENERATION AND EXPLORATION MANAGEMENT, THROUGH TO FEASIBILITY STUDIES AND DETAILED MINE PLANNING, INFRASTRUCTURE, FINANCIAL ANALYSIS, APPROVALS, PROJECT DEVELOPMENT AND MINE OPERATIONAL SUPPORT.

For over 10 years Xenith has been a trusted advisor to the resources industry. Xenith's Infrastructure team delivers solutions for the mining, energy and industrial sectors, from due diligence and technical expert reports, to concept, pre-feasibility and feasibility studies, through to detailed design, project management and construction management services.

## Fields of Expertise

Our team offers expertise across all areas of on-site and off-site infrastructure, bulk materials handling and processing.

Our infrastructure capability includes:

- civil works (haul and light vehicle roads, levees, dams, bulk earthworks)
- mine industrial areas (workshops, fuel and lube facilities, wash bays, tyre change, warehouse)
- water management
- power supply and distribution
- rail spurs and loops

Our materials handling and processing expertise includes:

- crushing and screening
- conveying
- stacking, stockpiling and reclaiming
- coal processing
- overland conveyors
- train loading.

Our resources are qualified in engineering and design for:

- civil • structural • geotechnical
- mechanical • materials handling
- electrical and controls

## CASE STUDY: Concept Study for Greenfield Mine

Xenith Consulting was engaged to undertake the entire scope of a concept study for a greenfield Australian coal mine. The study was undertaken by a fully integrated Xenith team, drawing on all the skills of our business, including approvals, geology, mining,

infrastructure, coal handling and preparation plant, power and water supply and existing infrastructure relocations. Significant surface water management and flood inundation mitigation work was also undertaken. A capital and operating cost estimate was developed,

as well as a full financial model of the development and operation of the mine. The outcome of the study was a saving in cost and time whilst generating a highly regarded study report due to the specialist and integrated approach taken by Xenith.



**BRISBANE**  
Level 6, 40 Creek Street,  
Brisbane Qld 4000, Australia  
GPO Box 993, Brisbane QLD 4001 Australia  
p: +61 7 3835 3900 f: +61 7 3835 3999  
www.xenith.com.au info@xenith.com.au

**SYDNEY**  
Level 8, 25 Blich Street  
Sydney NSW 2000  
p: +61 2 9235 7500  
f: +61 2 9235 7599  
www.xenith.com.au

**HUNTER VALLEY**  
Suite 4, 106 John Street  
P.O. Box 1169  
Singleton NSW 2330  
p: +61 2 6572 2878  
www.xenith.com.au

**JOHANNESBURG**  
2nd Floor, West Tower,  
Maude Street, Nelson Mandela Square  
PO Box 785553, Sandton 2146, South Africa  
p: +27 11 881 5677 f: +27 11 881 5611  
www.xenith.com.au