

# OPERATIONS PLANNING, DESIGN AND SCHEDULING

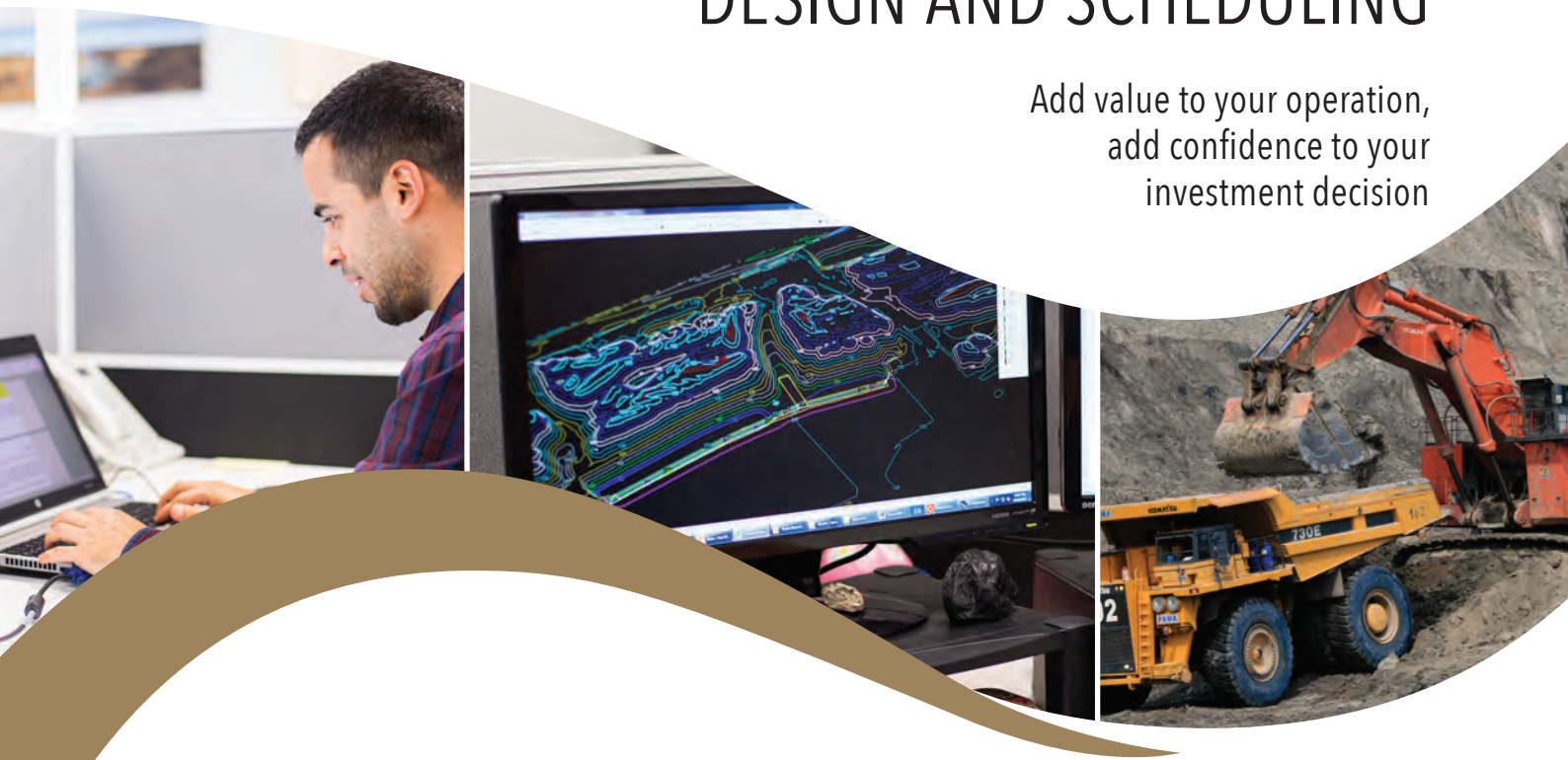
Add value to your operation, add confidence  
to your investment decision



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

# OPERATIONS PLANNING, DESIGN AND SCHEDULING

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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.

Xenith's Planning team delivers real value to clients offering minesites assistance with operations planning, design and scheduling. Whilst our primary expertise is in the open cut coal industry, we are highly experienced working with other commodities, both open cut and underground.

Our dedicated team of engineering professionals have extensive experience drawn from a wide variety of management, technical and operational roles. Latest technologies and new design approaches have been incorporated into industry leading mining solutions.

Projects have been undertaken in Australia, Mozambique, and Indonesia in recent times.

## Technology

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

- Deswik (Design, Scheduling, Aggregation, Landform)
- Vulcan
- XPAC
- 3d-DigPlus
- Dragsim
- Talpac
- Spry
- xTract

Our Xenith XPAC-based Planning System has been designed to meet the specific needs of individual clients while at the same time delivering unrivalled speed and performance.

## Operations Expertise

Our team offers expertise in:

- Mine Design
- Pit Limit Determination and Optimisation Reserving
- Mining Method and Equipment Studies
- Scheduling Database Builds and Management
- Short to Long Term Scheduling
- Dump Design and Haulage Modelling
- Landform Modelling
- Conceptual through to Bankable Feasibility Studies
- Reserve Estimation and Reporting (JORC 2012)
- Technical and Operational Mentoring



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