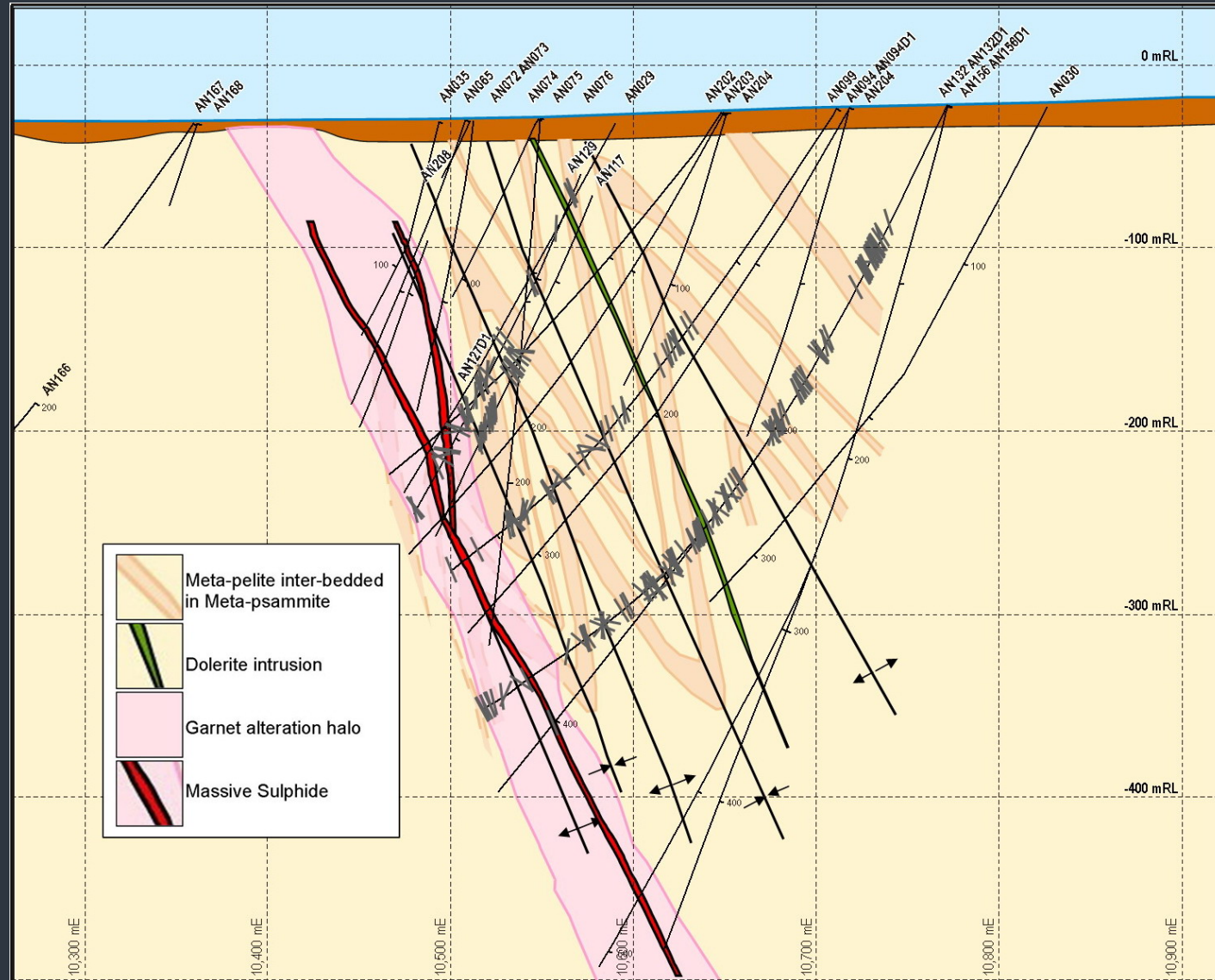




Resource Development
Consultants



MSP Engineering Pty Ltd
Resource Development Expertise
Mining Services

MSP ENGINEERING PTY LTD

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Facsimile: + 61 8 6241 4988
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RESOURCE COMMODITY EXPERTISE

Industrial Minerals

Mineral sands
Tantalite
Tin
Silica sands
Salt
Graphite
Manganese

Precious & Base Metals

Gold
Silver
Nickel
Copper

PROCESS EXPERTISE

Crushing & grinding circuits
Material handling systems
Recovery circuits including gravity & cyanidation
Flotation circuits
Hydraulic transportation
Plant upgrades & expansions

INFRASTRUCTURE EXPERTISE

Remote area housing & camps
Mine site infrastructure
Power stations
Pump stations
Air strips & wharfs
Cyclone refuge shelters
Waste water & sewerage systems



Resource Development Consultants

Previously known as McSweeney Partners Pty Ltd, with over 40 years experience as a leader in its field, **MSP** has established a reputation of providing simple, innovative and cost efficient solutions that successfully deliver projects which consistently exceed client expectations and performance targets.

MSP has a state of the art office facility with dedicated professional and para-professionals including process, mechanical, structural, civil and electrical engineers, design managers, draftspersons, project managers, construction managers and supervisors, and project controllers.

MSP's delivery of services is characterised by a:

- Collaborative approach with valued clients based on its years of experience in the resources industry.

MSP Engineering is a Western Australian based resource development consultancy specialising in the evaluation, engineering design, project management and construction of minerals processing facilities and associated infrastructure, both in Australia and overseas.

- Capability to mould the engineering and project delivery models to meet the Client's time, quality & cost expectations
- Project management systems and personnel with a culture that supports an Integrated owners team approach, or the provision of total turnkey solutions through Lump Sum, Guaranteed Maximum Price or EPCM project delivery models.

In the past 10 years **MSP** has provided over \$ 300 million in project studies and evaluations, project management and engineering services to its Clients.

These projects have been completed within tight schedules and budgets in accordance with its client's expectations.

MSP'S KEY CAPABILITIES

Project Studies and Evaluations

Conceptual scoping studies
Pre-feasibility studies
Bankable feasibility studies
Definitive feasibility studies

Engineering Design

Metallurgical & chemical process engineering design
Mechanical engineering design
Civil engineering design
Structural engineering design
Electrical & instrumentation engineering design

Project Management

Engineering design management
Integrated owners team representation
Construction management
Commissioning & training
Health, safety & environmental management
Estimating & scheduling
Procurement, expediting & logistics management
Project costs & contracts management
Risk management
Quality management systems

Design and Construction

Lump Sum, Guaranteed Maximum Price & EPCM



Mining Services

MSP Engineering Team has a core group of expertise personnel within the organisation that have the required skills and knowledge for mining services in the following domains.

- Open Cut Drill and Blast Contracts and Designs
 - Specialise in High Wall D&B and Presplit
 - Quality Controls
 - Electronic and Nonel Firing Systems
- Mine Dewatering
 - Design Selection of Pumps
 - Design and Installation of Piping Systems
- OH&S Audits and Review
 - Mine Rescue and Emergency Response Infrastructure Development
 - Risk Register Development AS 18001
 - Risk Matrix Creation
- Quarry Manager
 - Onsite Unrestricted Alternate or Deputy QM Support
- Open Pit Mine Supervisor / Foreman
 - Onsite Back to Back Support
- License Survey Team
- Exploration and Mine Geology Support
- Geotechnical Support
- Mine Engineering Planning and Scoping Studies
 - Short and Long Term Mine Planning Schedules
 - Contract Tenders
 - Open Cut and Underground Experience

For further information regarding **MSP Engineering's** capabilities and recent project achievements please visit our website.

www.mspeengineering.com.au

Or contact **MSP** to discuss your project requirements

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