

Projects



Resource Development
Consultants



Wodgina Stage 1 Upgrade Project

Sons of Gwalia

Project Management and EPCM Services

MSP provided project management and EPCM services for the \$12.0m Wodgina Tantalite Stage 1 Upgrade Project to increase the overall final product recoveries incorporating a coarse spiral circuit, additional tables and re-commissioning the inline pressure jig and fines recovery circuit.

The project also included the capacity expansion of the gas fired power station and associated infrastructure.



Murray Basin Mineral Sands Project

Cable Sands and Sons of Gwalia

Engineering Design and Project Management

MSP provided design and project management services for the establishment of Murray Basin Titanium's Mineral Sands Project.

The project involved the relocation and refurbishment of a 500 tph floating dredge concentrator and 15 tph dry separation plant and all associated infrastructure.

The project was successfully completed within the \$45.0m budget and 18 month time frame.



Bio-Diesel Facilities

Australian Renewable Fuels

Client Representative

MSP acted as the client representative to oversee the \$80.0m design, fabrication, installation and commissioning of ARF's Picton and Adelaide biodiesel facilities.



Simberi Gold Project, Papua New Guinea

Allied Gold

Client Representative

MSP were appointed during project construction to provide assistance as Allied Gold's client representative team for the \$80.0m Simberi Gold Project, located on Simberi Island in Papua New Guinea.

MSP's significantly assisted Allied Gold in achievement of project deliverables and management of key engineering and construction sub-contractors.



MSP Engineering Pty Ltd
Resource Development Expertise
Project Management &
Client Representative Services

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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



Project Management & Client Representative Services

Over the last 10 years, MSP has provided project and client representation services to its Clients, resulting in the successful delivery of over \$300 million of capital resource development projects throughout the world.

MSP has developed a number of highly effective, simple to use and understand management tools that have been streamlined to suit resource sector requirements, particularly for projects that are fast tracked often in remote areas with little local logistic and infrastructure support.

MSP's team of experienced project managers, engineers, commercial and contractual managers understand the challenging requirements of converting projects from concepts and studies into fully operational facilities.

MSP's commercial suite of documents ensures that contract mechanisms are executed in line with Australian Standards and address all aspects of contract administration and management.

MSP's offers a range of project management services which include:

- Provision of Integrated Owner's Team.
- Full project management.
- Cost control and contracts management.
- Risk management.
- Schedule control.
- Project reporting.
- Project auditing.
- Project quality control systems.
- Inspection testing and verification.
- Procurement, expediting and logistics management.

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

www.mspengineering.com.au

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

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PROJECT IN FOCUS

PRIMAVERA CONTRACTS MANAGER

MSP reviewed the marketplace to identify the optimum proprietary software package to manage end to end business process for small to medium scale resource development projects.

A decision was made to focus on Primavera Contracts Manager software system.

The system provided a synergy of project control solutions which enabled the project team to collaborate various issues and changes whilst managing multiple document, budget, contract and cost deliverables.

In June 2008, Contracts Manager was used for the procurement function of the Talison Mineral's Greenbushes Low Grade Lithium Project. The project successfully achieved practical completion on 2nd February 2009, within the planned schedule and budget.

MSP was one of the first WA based service companies to fully utilise this system.

MSP has customised the system, specific to the mining and resources sector environment and the package is now considered to be at the forefront in project management systems.