

# Asset management



## Asset management

**Ausenco is a leading global provider of engineering and project management services to the resource and energy sectors. We combine ingenuity with insight to deliver effective end-to-end solutions for our clients.**

Our professionals offer expertise across every aspect of the resource and energy sectors — in areas including mineral processing; pipelines; transportation systems; ports and terminals; infrastructure; and conventional, renewable and alternative energies. We're also experts in optimising performance through tailored operations and maintenance solutions, and in providing environmental and sustainability strategies that deliver benefits for projects, communities and the environment.

We're skilled in every phase of the project lifecycle. From initial concept through to operation, our people can assess, plan, cost, design and construct ingenious solutions that add value and support your return on investment.

### **Comprehensive operations and maintenance to maximise your returns**

We provide a complete range of operations and maintenance services to a wide variety of industries and sectors. Our services are designed to provide comprehensive coverage across:

- operational readiness
- asset management
- reliability engineering
- continuous improvement
- contract operations.

This brochure provides an overview of our asset management services and is one of the five operations and maintenance offerings.



Our experienced team has the knowledge and experience to assess the performance of your assets to determine the best opportunities and strategies for improvement.



### **Asset management for optimal performance**

We offer a comprehensive range of services across all aspects of the asset lifecycle from concept study phase through to disposal, ensuring our clients' assets achieve world class performance at optimum cost.

Our experienced team has the knowledge and expertise to professionally and competently assess our clients' asset performance to determine the best strategies and opportunities for improvement.

Our proven methodologies have been delivering best in class outcomes for our clients for close to two decades and we continue to refine our methodologies and technologies in line with PAS 55 and the emerging ISO 55000 standard. Our key strengths in training, mentoring and technical support ensure our methodologies are embedded for the long term.

We have designed asset management systems for some of the most complex projects in operation, from this experience; we developed software that enables us to provide our clients' with greater certainty and accuracy in managing their assets.

Available as a complete suite of products or on a module by module basis, Rylson8 provides a single entry point to define the business requirements and directly relate them to the required performance of the assets. Rylson8 assists organisations globally to better manage their assets by better understanding the key drivers of costs within the organisation.

We offer the following services in asset management:

- asset criticality analysis
- maintenance strategy design and optimisation
- maintenance budget development and cost improvement initiatives
- inventory and spares analysis
- resource planning and optimisation
- economic life analysis for assets
- operational readiness planning and implementation
- Computerised Maintenance Management System (CMMS) implementation
- operational due diligence.

We are endorsed by the Institute of Asset Management (IAM) to deliver training in all aspects of PAS55 and to carry out assessments based on the requirements identified and with reference to the PAS55 Assessment Methodology.



### **Optimising your asset management**

A system is only as strong as its weakest link — which is why we're intent on optimising every aspect of our clients' plant reliability and operating costs.

We do this by assessing operating costs and the yield and efficiency of your process performance. Then we benchmark components and systems against similar assets operating elsewhere, using extensive databases developed over many years work in this field. The next step is to model and implement process improvements designed to exceed expectations and demonstrate positive returns. We then work with you to develop strategies to implement and secure sustainable benefits from process improvements.

# Our experience



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**Project name**

CS Energy Corporate Policies and Procedures

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**Location**

Queensland, Australia

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**Client**

CS Energy

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**Year**

2006

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**Description**

Ausenco Rylson assessed several CS Energy power generation sites throughout Queensland, delivering a review of current asset management documentation and updating as required, specifically:

- asset management policies
- equipment strategy development
- criticality analysis and lifecycle planning procedures
- work management procedure
- spares analysis procedure.

We also reviewed and developed long-term capital project programs, enabling the Asset Manager to report on the forecasted capital expenditure required across their power operating facilities.



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**Project name**

Century Mine Asset Improvement Project

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**Location**

Queensland, Australia

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**Client**

MMG Limited

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**Year**

2012

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**Description**

Ausenco Rylson was engaged to conduct an Asset Management Improvement Project (AMIP) to address key areas of the business where deficiencies were identified in asset management practices. A list of initiatives were identified at the lead-zinc mine to increase the asset management maturity level of the business.

All deliverables were successfully implemented and structures to sustain the initiatives were embedded.

Conservative savings of \$40 million have been identified and attributed to the AMIP with the ongoing benefit achievable until end of mine.



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**Project name**

Ahafo Gold Mine Maintenance Strategy Review

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**Location**

Brong-Ahafo region, Ghana

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**Client**

Newmont Mining Corporation

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**Year**

2011–2012

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**Description**

Ausenco Rylson was engaged to provide asset management support to assist in the operation of the Ahafo gold mine site.

Our scope included:

- developing asset management system supporting documentation
- reviewing plant and equipment hierarchy
- developing activity-based OPEX budgets
- implementing maintenance strategy outcomes.

Ausenco Rylson optimised maintenance strategies for all critical plant at both the processing plant and open cut mine delivering fit-for-purpose task lists whilst embedding a corporate work management standard.