



# **ASSET OPTIMISATION**

Offering a Full Range of Services Across the Asset Lifecycle

### **OUR COMPANY**

Bureau Veritas have one of the strongest risk management teams in Australia. We are able to save you time, money, resources, and reduce the risk of downtime. We can help you to improve your reputation as an exemplary corporate citizen while improving your bottom line.

Bureau Veritas have an extensive list of proven capabilities in the provision of asset optimisation services, high level safety engineering & risk management, and environmental services. We provide a full range of services across the asset lifecycle for a facility.

### **ASSET OPTIMISATION GROUP SERVICES**

#### Modelling

True asset optimisation may only begin where there is a clear understanding of how a system is going to perform and what the reasons for nonperformance are likely to be.

RAM (Reliability, Availability, and Maintainability) simulation is paramount in gaining this kind of understanding, and is at the heart of our approach to asset optimisation.

Bureau Veritas is unique within Australia, with a dedicated team of reliability engineers solely providing RAM solutions. We consider it an engineering discipline in itself. You would not get a process engineer to undertake electrical design so why would you have anything other than a reliability engineer undertake RAM analysis?

#### Optimise©

Our specialist suite of software, Optimise©, combined with our extensive international experience enables us to provide you with a clear understanding of your system/ project.

Bureau Veritas' comprehensive RAM simulation will help you achieve cost savings that will speak for themselves.

#### **Asset Management Solutions**

Optimising key plant and equipment reliability is only one component of a Bureau Veritas complete asset management plan, which comprises:

- Reliability engineering
- Maintenance management
- Life cycle cost analysis
- Performance management
- Operations support
- Supply chain analysis

Bureau Veritas is experienced in work-shopping and the implementation of asset management frameworks such as PAS 55.

Our asset management experience can cover the entire asset lifecycle from concept, design and construction through to operation and maintenance, ensuring success for expensive assets.



### **OUR APPROACH**

#### Our team of experts can analyse your operational data to determine:

- Failure rates and failure modes;
- Repair rates for corrective maintenance and completion rates for preventive maintenance;
- Administrative downtime and logistic downtime;
- System availability;
- Critical items and production critical items;
- Correlation between preventive and corrective maintenance, and the related costs.

#### We can develop recommendations to increase system availability, through such techniques as:

- Condition monitoring;
- Planned maintenance optimisation (PMO);
- Root cause analysis (RCA);
- Reliability centered maintenance (RCM);
- Failure mode effects and criticality analysis (FMECA);
- Equipment redesign, such as implementing redundancy or back-up systems.

### WHAT ARE THE KEY BENEFITS?

#### Some of the many benefits Bureau Veritas can offer include:

- A unique dedicated team of reliability engineers providing RAM solutions;
- Discover potential problems and deficiencies with a design early in the lifecycle to ensure maximum savings;
- Close interaction with Bureau Veritas will ensure novel solutions are constantly developed;
- Our software, Optimise©, has been trialled and proven as a world leading monte-carlo simulation tool for reliability predictions.

#### The way forward...

Bureau Veritas can offer a multitude of solutions. In collaboration with the client, we can:

- Assist with the development of asset management policies and procedures;
- Analyse existing operations and maintenance data;
- Simulate 'what if?' scenarios to determine effect on system availability and related costs of various options.

### CONTACT

For details about this service, please contact Asset Integrity and Reliability Services

Phone Australia:

Newcastle: + 61 (0) 2 4967 2788 Perth: + 61 (0) 8 9481 0100 Melb HQ: + 61 (0) 3 9922 0700

## FOR MORE **INFORMATION**

**Please Visit:** www.bureauveritas.com.au **Email:** bvaus@au.bureauveritas.com