

# Asset Management

This **two day** course covers maintenance in the more enlightened framework of physical asset management and the asset life cycle. Practical tools and techniques are presented to assist in building the right environment and paradigms for an organisation to get the most out of their productive assets.

A particular focus on practical examples and exercises are worked through to ensure that participants achieve a sound level of understanding. Participants will develop take-away material for direct application in their work roles, including improvement action plans.

**Target Audience** ➤ For those involved in physical asset management, maintenance and production. Suitable for project practitioners at all levels, as well as personnel in general management and support roles.

## ➤ Course Outline

### Asset Management

Providing productive capacity; asset integrity; sustaining business profitability in short, medium and long term; applying PAS-55; managing assets in a life cycle framework; operate and maintain; equipment condition; life cycle costs; policies; business plans; strategic improvement plans.

### Maintenance Management

Managing the maintenance function; production, commercial, supply, project function interactions: Organisational structures; human resources; centralised or decentralised; line and staff; contractors, outsourcing and alliancing; service contracts; plant care; asset condition monitoring;

### Capital Projects

Ensuring maintainability and operability standards; feasibility; design, procurement, construction and commissioning; preparing for maintenance and operations; whole of life approach; progress review and reporting.

### Operational Reliability

Operational reliability, maintenance availability, reliability and maintainability, development of enterprise, plant area, asset group and equipment maintenance reliability plans; reliability tools and techniques; reporting and analysis.

### Planning and Scheduling

Ensuring work is organised, prioritised, planned, scheduled, controlled, monitored and performed in accordance with business needs; work management and control, computerised maintenance management systems.

### Plant Shutdowns

Maintenance, production and project, organisation, roles and responsibilities; shutdown determinants and drivers; effective and efficient planning, scheduling and execution; scope control; schedule risk analysis; progress tracking and review.

### Performance Measurement and Improvement

Performance measures; KPI's; audits; benchmarking; establishing performance measures; continuous improvement.

### Maintenance Stores

Managing spares and materials, storage, logistics strategic assessment, central and distributed, risk assessment

### Risk Management

Assessment techniques; HAZOPS; OHS&E; equipment identification and configuration management; change management; criticalities and priorities.

### Systems and Processes

Asset management and maintenance processes; process development; procedures, guidelines, toolkits, building sustainability.

### Budgets and Costing

Life cycle costing; equipment costing, zero based budgeting; activity costing; reporting and control.

### Project Management

Project types; project and shutdowns; scope control; time management; estimating; cost control; quality management; contract administration.

“ To understand the foundations of maintenance planning and asset management you need to experience this event. ”

*Maintenance Planner, Water Corporation*