

## Course Outline

1 day

## Introduction to Asset Life Cycle Planning



(1 day - ALCP)

### Objective

This course introduces participants to the fundamental concepts of total life cycle planning and provide an increased understanding of the financial benefits to be gained through such planning.

### Benefits

An increased understanding of the financial benefits to be gained through Total Life Cycle Planning.

### Who Should Attend

**Managers, Supervisors, Planners, Maintainers, Operators and any other personnel** who are involved in the management, maintenance, operation and ownership of assets.

### What is Life Cycle Planning?

- Taking a whole of life approach
- Developing cost-effective management strategies for the long term
- Managing the risks associated with asset failures
- Continuous improvement in asset management practices

### The objectives of this introduction to asset life cycle planning are to:

- Introduce asset management and the relevant standards
- Explain the significant elements of asset life cycle planning
- Focus on physical asset management
- Introduction to more detailed related courses

### The course gives insight into :

- Understanding asset management
- Life cycle cost analysis
- The asset management plan (SAMP)
- Maintenance management planning
- Reliability, Availability and Maintainability (RAM) concepts.

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On completion of this course it is expected that participants will have an understanding of the requirements for the implementation of a successful Asset Total Life Cycle Planning Strategy.

1. Define critical path as applicable to project type activities.
2. Apply critical path analysis to shutdown plans.
3. Manipulate activities to achieve critical path determinants.
4. Develop appropriate metrics to monitor critical path/s.