

Introduction to Total Life Cycle Planning

1 Day Course

RGC-ITLCP01



Rylson Group

Course Outline

Introduction to Total Life Cycle Planning	
Objective	To introduce participants to the fundamental concepts of Total Life Cycle 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 maintenance, operation and ownership of assets.
Course Outline	On completion of this course it is expected that participants will have an understanding of the requirements for the implementation of a successful Total Life Cycle Planning Strategy.



1.0 WELCOME AND INTRODUCTION

- Welcome and introductions
- Course overview
- Icebreaker
- Course objectives
- Basic Glossary of Terms

2.0 WHAT IS TOTAL LIFE CYCLE PLANNING

- Overview
- Definitions

3.0 FACTORS IMPACTING ON ASSET LIFE CYCLE

- Asset Life Cycle
- Cost of Procurement
- Cost of Utilising the Asset
- Cost of Asset Disposal

4.0 LIFE CYCLE COST ESTIMATING

- The calculation
- The contribution of maintenance to life cycle costs

5.0 RELIABILITY, AVAILABILITY & MAINTAINABILITY THEORY

- Definitions
- Calculations
- Reliability Block Diagrams



6.0 DEVELOPING THE ASSET MANAGEMENT PLAN

Overview

Methodology

System Capability Analysis

Developing the plant hierarchy

Criticality Analysis

Strategy Development

7.0 LIFE CYCLE COSTING & ECONOMIC EVALUATION

Establishing the LCC

Economic Evaluation