ASSET PERFORMANCE MANAGEMENT

METHODS LIFE CYCLE COSTING ANALYSIS

Learn about Life Cycle Costing and its application in Asset Management. Understand the different elements that make up a full Life Cycle Costing Analysis. Discover how to build a Cost Breakdown Structure and what parameters are used to drive the LCC calculation.

Format

Duration: 15 hours **Schedule:** 2 Day(s) **Delivery:** Classroom

Who should attend

Those who are:

- Looking to improve the efficiency and effectiveness of asset management plans, supply logistics, technology, equipment and spare parts purchasing decisions, project evaluation.
- Interested in the future impact of their equipment engineering, maintenance, procurement, asset management and reliability activities and the cost of failures.
- Job roles: Asset Managers, Reliability Engineers, Project Engineers, Maintenance Analysts, Maintenance Supervisors, Design Engineers, Continuous Improvement personnel.

Objectives

- Understand the foundation of Life Cycle Costing and the main terminology used in its analysis.
- Discover the data requirements needed to ensure an accurate LCC analysis.
- Participate in a real-world exercises to develop LCC models within dedicated software.

Required Prerequisites

None

Program Outline

Day 1

- Asset Management and Life Cycle
- Introduction to Life Cycle Cost
- Interest - Simple Interest and Compound Interest
- Nominal and Effective Interest Rates
- Life Cycle Cost Analysis Formulas; Future Value, Present Value, Current Value and NPV.
- Cost Breakdown Structure
- Cost Disciplines
- Data Requirements; Database, Existing Data Sources

Day 2

- Steps in Life Cycle Cost Analysis
- Using AWB software, Availability Workbench, LCC module

- Sensitivity Analysis
- Life Cycle Cost Models
- LCCA Examples Workshop

Languages

- English
- Spanish