

aractech

Global Learning for Operational Leaders



MAINTENANCE AND ENGINEERING

Cost Effective Maintenance

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Course content

Why Attend

Maintenance can be an expensive function, but badly planned and poorly performed maintenance can incur significantly greater costs to an organization. Recent years have seen an increasing pressure to “reduce the cost of maintenance”, but this pressure frequently generates a push toward fixed cost reductions without sufficient consideration of the consequences on plant performance, production costs, asset life and even HSE. Some initiatives achieve short-term fixed cost reductions, but cause longer-term issues, such as poor reliability, that have a far greater adverse impact on bottom-line profits. In addition, the majority of fixed cost reduction programs fail to achieve sustainable benefits, yet another sign that achieving cost effective maintenance is far more difficult than anticipated.

This course is based on established best practice from best-in-class companies and leading consultants. We have developed best practice models and frameworks to bring structure and guidance to this challenge. The complex maintenance functions will be broken down into smaller components so that these can be analyzed, explained and understood more easily.

Course Methodology

- This is an interactive course. There will be open discussions, regular team exercises, videos, case studies and presentations on best practice and models. Participants will have the opportunity to discuss maintenance approaches from their own organizations and to develop maintenance plans with the facilitator and other participants on the course.

Course Objectives

- Understand the definition and principles of cost effective maintenance
- Calculate the total cost of maintenance for their own production plant
- Build a strategy and business case to eliminate waste and develop lower maintenance costs without losing reliability
- Use the model of excellence for optimizing fixed costs of maintenance
- Explain the fundamentals of cost effective safety and legislative compliance
- Help focus reliability efforts in a cost effective way

Target Audience

- Maintenance managers and supervisors, planners, schedulers, reliability engineers, project managers, project

engineers, operations managers, shift managers, operations supervisors and/or individuals who are in training for these positions. This course is also designed for contractors who want to contribute to maintenance and shutdown performance of clients.

- Target Competencies
- Analyzing maintenance costs
- Developing efficiency improvements

Course outline

Detailed course outline

Module-by-module outline for Cost Effective Maintenance.

Module 1 - Understanding the total cost of maintenance

- A definition of the total cost of maintenance
- Benchmark standards
- Where to find best practice
- Key components of fixed costs
- Cost of lost production
- Cost of non compliance

Module 2 - The modern maintenance strategy

- How maintenance has evolved
- Understanding where money should be invested and where money tends to be wasted
- The importance of planning
- The relationship between fixed costs and maintenance performance
- A change in thinking
- Away from cost reduction or reliability or safety

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Module 3 - The basics of fixed cost reduction

- Understanding the basic categories of spend
- How to map maintenance costs
- Getting to the root cause of spend
- The danger of managing by averages
- Setting out a maintenance cost reduction program
- Setting KPIs and sustaining change

Module 4 - Focus areas for fixed cost reduction

- Eliminating waste
- Understanding the different types of maintenance
- Common causes of waste
- The importance of planning
- The principles of risk based maintenance
- The importance of maintenance standards

Course outline

Detailed course outline

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Module 5 - Plant performance and reliability improvement

- A model of excellence for reliability improvement
- The reliability roadmap
- How to make sure reliability improvement is efficient as well as effective
- Understanding the different types of maintenance
- Overall equipment effectiveness and other performance measures
- Improving asset life

Seminar dates

Available seminar dates

Live dates and pricing for Cost Effective Maintenance generated from the course details page.

Date	Location	Format	Fee
11 - 15 May 2026	Rome	Classroom	€2,975
8 - 12 June 2026	Munich	Classroom	€2,415
6 - 10 July 2026	Amsterdam	Classroom	€2,975
10 - 14 August 2026	London	Classroom	€2,940
14 - 18 September 2026	Istanbul	Classroom	€1,995
5 - 9 October 2026	Vienna	Classroom	€2,975
16 - 20 November 2026	Barcelona	Classroom	€2,695

Live online option

Online delivery is available at €1,250.