

# aractech

Global Learning for Operational Leaders



**MAINTENANCE AND ENGINEERING**

## Maintenance Masterclass

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# Course content

## Why Attend

This specially curated Maintenance Masterclass takes place in London during our Summer Masterclass Series. Participants have the opportunity to learn from experts in the field of maintenance and reliability, gain practical experience from hands on workplace challenges, and gain insight into some of the most important aspects of the maintenance and reliability function.

Maintenance is a critical function, but often undervalued and underfunded. Done properly, maintenance can be a high value function improving asset performance and profits. The aim of this course is to provide maintenance professionals with additional models and tools to help them reposition and transform maintenance.

## Course Methodology

- This is a highly interactive course with short presentations on best practice and then a series of challenge exercises to take participants on a journey from basic maintenance to applying several world class leading approaches.
- The emphasis will be on teamwork in the exercises, guided discussion, a few videos and numerous case studies.

## Course Objectives

- Apply award winning models of maintenance excellence to their own work place situations
- Participate in reliability improvement work with a new approach
- Understand the different types of maintenance and how to use them
- Apply the principles of maintenance excellence to change their approach to maintenance and reposition maintenance as a strategic function in their organizations
- Utilize key techniques and approaches to enable maintenance to have a more effective input in major projects and turnarounds

## Target Audience

- This course is suitable for all levels of maintenance practitioners. This includes but is not limited to; maintenance managers, maintenance supervisors, planners, project engineers, maintenance engineers, project managers, reliability engineers, operations team members and commercial managers who are active in maintenance.
- Target Competencies

- Problem solving
- Cost analysis



# Course outline

## Detailed course outline

Module-by-module outline for Maintenance Masterclass.

### Module 1 - An introduction to the Maintenance Models of Excellence

- How maintenance has evolved
- Sources of best practice and benchmarking options
- The pitfalls of traditional maintenance practices
- The principles of cost-effective maintenance - where money should be invested and where money tends to be wasted
- A change in thinking
- Away from cost reduction or reliability or safety

### Module 2 - A holistic approach to Asset Reliability Improvement, the bigger picture

- Understanding the relevant management processes for any asset and operation
- The role of operations
- Getting projects right
- The reliability roadmap
- Improving process performance
- The principles of cost-effective maintenance investment

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### Module 3 - Improving reliability at equipment level

- Analyzing options to understand the underlying causes of inadequate equipment performance
- Root cause failure analysis
- Weibull analysis
- Criticality analysis
- Failure mode effects and criticality analysis
- Development of effective maintenance plans

### Module 4 - Developing a high-performance team

- Developing an organization that will support the reliability and maintenance strategies
- Setting a reliability focused culture
- The roles of personnel outside maintenance in reliability improvement and how to engage the right people in the right way
- Leadership skills required to deliver full organizational performance

### Module 5 - Work management - The Maintenance Process

- Optimizing the work flow process and CMMS system performance
- Modern work flow management processes

## Seminar dates

### Available seminar dates

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

Date	Location	Format	Fee
11 - 15 May 2026	Kuala lumpur	Classroom	€1,575
8 - 12 June 2026	Barcelona	Classroom	€2,695
6 - 10 July 2026	London	Classroom	€2,940
10 - 14 August 2026	Munich	Classroom	€2,415
14 - 18 September 2026	Rome	Classroom	€2,975
5 - 9 October 2026	Munich	Classroom	€2,415
16 - 20 November 2026	Amsterdam	Classroom	€2,975

#### Live online option

Online delivery is available at €1,250.