

SPARK

MAINTENANCE AND ENGINEERING

Maintenance Masterclass

Professional training programme



SPARK TRAINING

Professional training courses for leaders, specialists, and organizations seeking practical capability development.

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— Workshop Overview

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. This is a gamification, challenge-based course with more time spent on exercises and case studies than a traditional lecture-based course. The Facilitator will focus on sharing the tricks of the trade and then putting them to use in meaningful, but fun workplace scenarios. This course is designed to help experienced managers appreciate where best practice is moving, and less experienced engineers understand how to progress more efficiently through their careers.

Why Attend

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

Who Should Attend

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

— Learning 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

— Course Outline

DAY 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
- Towards cost reduction and reliability and safety
- Aligning maintenance with the business plan and managing for performance
- How maintenance adds value to bottom line profit

DAY 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
- Running maintenance improvements and dealing with some of the people issues
- Setting goals and KPIs to track progress

DAY 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
- Reactive
- Preventive
- Predictive

- Proactive

DAY
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

DAY
5

Work management - The Maintenance Process

- Optimizing the work flow process and CMMS system performance
- Modern work flow management processes
- Day 6: Improving maintenance performance
- The latest thinking in risk management
- Separating critical work from the nice to haves
- On Time In Full work execution
- Recording work done, learning and improving future work
- Planning and executing projects with added maintenance excellence included
- Managing maintenance materials and stores
- Use of computer-based technology
- The truths and the myths about the digital twins
- Day 7: A world class leading approach to Turnaround, Shutdown and Outage Management
- Why turnarounds are the most difficult thing we do
- Where people tend to go wrong
- The greatest weaknesses of maintenance professionals
- The model of excellence for turnarounds
- The golden rules to surviving and converting turnarounds from a high risk to an opportunity

— Upcoming Classroom Dates

DATE	LOCATION	FEE
5 - 9 October 2026	Munich - Germany	€1,725
16 - 20 November 2026	Amsterdam - Netherlands	€2,125
7 - 11 December 2026	London - United Kingdom	€2,100
11 - 15 January 2027	Barcelona - Spain	€1,925
8 - 12 February 2027	London - United Kingdom	€2,100
8 - 12 March 2027	Munich - Germany	€2,125
12 - 16 April 2027	Rome - Italy	€2,125
10 - 14 May 2027	Munich - Germany	€2,125

— Certificate and Registration

Participants who attend and complete the full programme receive a SPARK Training Certificate of Completion. For registration, in-house delivery, or availability questions, contact info@sparktraining.eu or +31 85 115 0004.