aractech

Global Learning for Operational Leaders

MAINTENANCE AND ENGINEERING

Managing Shutdowns, Turnarounds and Outages

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Course content

Why Attend

Shutdowns and turnarounds are the highest risk activities that we routinely perform in industry, but they are also an area of massive variability in approach and outcome.

Many companies do not have written methodologies and have not trained their staff in best practice for shutdown and turnaround management; despite the fact that many shutdowns and turnarounds typically lead to the highest peaks in safety incidents, downtime and fixed cost spend each year.

Course Methodology

• This is an interactive course. There will be open question and answer sessions, regular group exercises and activities, videos, case studies and presentations on best practice and the fundamentals of shutdown and turnaround management. Participants will have the opportunity to share with the facilitator and other participants on what works well and not so well for them, as well as work on issues from their own organizations.

Course Objectives

• Position shutdowns and turnarounds as part of an overall strategy of improving business performance

• Build the best shutdown and turnaround team possible from the resources available

• Reduce the cost and downtime associated with shutdowns and turnarounds whilst simultaneously improving safety performance

• Understand the critical processes, skills and tools required to establish outstanding shutdown performance

• Use our best-in-class Model of Excellence to analyze their own performance, explain key principles to others and build a detailed methodology tailored to their own needs

• Maximize the benefits of planning and preparation through our proactive challenge planning process

Target Audience

• Turnaround managers, planners, schedulers, reliability engineers, maintenance managers, maintenance supervisors, project managers, project engineers, operations managers, shift managers, operations supervisors and people who are in training for these positions. This course is also designed for contractors who want to contribute to the shutdown performance of clients.

• Target Competencies

• Shutdown strategy development

- Shutdown and turnaround planning

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Course outline

Detailed course outline

Module-by-module outline for Managing Shutdowns, Turnarounds and Outages.

Module 1 - Setting shutdowns in context

• The impact of shutdown performance on a business

• Where people tend to go wrong

• How shutdowns fit with asset and maintenance strategies

• The impact of shutdowns on safety, availability and costs

• Where does best practice come from

Module 2 - The unique complexity and risks of shutdowns

• How turnarounds differ from construction and maintenance work

• The conflict of an inherent bottom up process for scope development

• Complexity

• The interconnectivity of multiple tasks

• Uncertainty

• Unknown tasks

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Module 3 - A structured Model of Excellence for shutdown management

• Origins of the model of excellence and why it was developed

• A graphic model and the critical elements required for success

• An outline model and exploring the sub elements

• A detailed model, the blueprint for success

• The importance of strategy and the principle of front end loading

• How pace setters have moved to structured work processes

Module 4 - Developing and controlling a shutdown strategy

• Strategic focus has evolved

• The ultimate business goal

• Reducing the annualized penalty of shutdowns

• The key strategic focus for the modern engineer

• The role of the steering team

• Where steering teams go wrong and how to avoid this

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Module 5 - Managing risk

• Understanding hazard and risk

• A methodology for predicting strategic risks

• safety, schedule, and cost

• How to reduce and control risk

• Transforming safety performance

• How to avoid conflict between safety, quality, schedule and cost

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Seminar dates

Available seminar dates

Live dates and pricing for Managing Shutdowns, Turnarounds and Outages generated from the course details page.

Date	Location	Format	Fee
15 - 19 June 2026	Frankfurt	Classroom	**€2,275**
20 - 24 July 2026	Barcelona	Classroom	**€2,695**
3 - 7 August 2026	Frankfurt	Classroom	**€2,275**
7 - 11 September 2026	Rome	Classroom	**€2,975**
12 - 16 October 2026	Kuala lumpur	Classroom	**€1,575**
9 - 13 November 2026	Barcelona	Classroom	**€2,695**
14 - 18 December 2026	London	Classroom	**€2,940**

Live online option	Online delivery is available at €1,250.