

Maintenance, Planning, Scheduling & Control Mastery Course

Oil & Gas Engineering
Prague (Czech)
18 - 29 Aug 2025

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Maintenance, Planning, Scheduling & Control Mastery Course

Ref: 3337_138412 **Date:** 18 - 29 Aug 2025 **Location:** Prague (Czech) **Fees:** 7400 **Euro**

Course Description

This comprehensive 10-day course equips participants with advanced skills in maintenance planning, scheduling, and control. Attendees will learn to optimize asset performance, reduce downtime, and enhance operational efficiency through strategic maintenance management techniques. The course covers key concepts, practical tools, and industry best practices.

Learning Objectives

- Develop effective maintenance strategies aligned with organizational goals
- Master techniques for efficient work order management and prioritization
- Implement robust preventive and predictive maintenance programs
- Optimize resource allocation and scheduling for maximum efficiency
- Utilize key performance indicators KPIs to measure and improve maintenance effectiveness

Course Modules

Day 1: Foundations of Maintenance Management

- Introduction to maintenance management concepts
- Types of maintenance strategies
- Asset lifecycle management
- Maintenance organization structures

Day 2: Work Order Management

- Work order systems and processes
- Prioritization techniques
- Work order lifecycle
- Backlog management

Day 3: Maintenance Planning Fundamentals

- Planning principles and best practices
- Job plan development
- Resource estimation techniques
- Planning for different maintenance types

Day 4: Effective Maintenance Scheduling

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- Scheduling principles and methodologies
- Master scheduling techniques
- Short-term and long-term scheduling
- Constraint management in scheduling

Day 5: Preventive Maintenance Optimization

- Developing PM programs
- PM task selection and frequency optimization
- Condition-based maintenance integration
- PM program auditing and improvement

Day 6: Predictive Maintenance Strategies

- Introduction to predictive maintenance
- Condition monitoring techniques
- Data analysis for predictive maintenance
- Implementing a PdM program

Day 7: Maintenance Inventory and Procurement

- Spare parts management
- Inventory optimization techniques
- Procurement strategies for maintenance
- Vendor management and partnerships

Day 8: Maintenance Performance Measurement

- Key Performance Indicators KPIs for maintenance
- Benchmarking techniques
- Performance reporting and dashboards
- Continuous improvement strategies

Day 9: Maintenance Cost Control

- Maintenance budgeting principles
- Cost estimation and control techniques
- Life cycle cost analysis
- Return on investment ROI calculations

Day 10: Computerized Maintenance Management Systems CMMS

- CMMS functionality and selection
- Data management and analysis
- CMMS implementation best practices
- Leveraging CMMS for improved decision-making

A graphic of a chessboard with several chess pieces. A large gold king piece is in the foreground, with a silver pawn and a gold pawn behind it. In the background, there are concentric circles emanating from a point on the board.

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Practical Wins for Participants

- Develop a customized maintenance strategy aligned with organizational goals
- Create efficient work order and scheduling processes to reduce maintenance backlog
- Implement a balanced preventive and predictive maintenance program to minimize unplanned downtime
- Establish a performance measurement system to drive continuous improvement in maintenance operations

A graphic of a chessboard with several chess pieces (a king, a queen, and a pawn) positioned on it. The board is checkered, and the pieces are in gold and silver. In the background, there are concentric circles radiating from the center of the board.

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