



**SCANDINAVIAN ACADEMY**  
For Training and Development

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# Course: Advanced Maintenance Planning and Scheduling

Code	City	Hotel	Start	End	Price	Language - Hours
MA-888	Frankfurt (Germany)	Hotel Meeting	2027-04-12	2027-04-16	5950 €	En - 25

## Introduction

This 5-day intensive training program is designed to provide maintenance professionals with advanced skills in maintenance planning and scheduling, aligning with British standards and incorporating modern predictive and shutdown maintenance methodologies. The program emphasizes practical case studies, development of maintenance KPIs, safety compliance, and culminates with an assessment to evaluate participant understanding.

## Training Objectives

- Develop advanced skills in maintenance planning and scheduling aligned with British standards.
- Understand shutdown planning processes and best practices.
- Apply predictive maintenance techniques effectively.
- Design and implement key performance indicators (KPIs) for the maintenance department.
- Ensure safety compliance in maintenance operations.
- Engage in practical exercises and real-life case studies to solidify learning.
- Evaluate knowledge acquisition through a final assessment.

## Target Audience

This course is ideal for maintenance planners, engineers, supervisors, and other technical staff involved in planning and executing maintenance activities.



# Course Content

## Module 1: Introduction to Maintenance Management

- Overview of Maintenance Strategies
- Role of Planning and Scheduling in Maintenance
- British Standards in Maintenance Operations

## Module 2: Maintenance Planning Techniques

- Work Identification and Prioritization
- Planning Work Orders
- Maintenance Workload Forecasting

## Module 3: Advanced Scheduling Techniques

- Developing and Updating Maintenance Schedules
- Shutdown and Turnaround Planning
- Resource Leveling and Optimization

## Module 4: Predictive Maintenance

- Condition Monitoring Tools and Techniques
- Data Interpretation and Failure Prediction
- Integration with CMMS Systems

## Module 5: Maintenance KPIs and Performance Measurement

- Key Maintenance KPIs: MTBF, MTTR, etc.
- How to Create and Maintain Useful KPIs
- Using KPIs to Drive Performance Improvements



## **Module 6: Safety in Maintenance Activities**

- Maintenance Safety Standards and Regulations
- Hazard Identification and Risk Assessment
- Permit to Work Systems and Safety Audits

## **Module 7: Practical Sessions and Case Studies**

- Group Exercises on Maintenance Planning
- Case Study: Shutdown Planning Scenario
- Developing a KPI Dashboard

## **Module 8: Final Examination and Wrap-Up**

- Review of Key Concepts
- Written Examination
- Feedback and Certification Distribution



The Scandinavian Academy for Training and Development adopts the latest scientific and professional methodologies in training and human resource development, aiming to enhance the efficiency of individuals and organizations. Training programs are delivered through a comprehensive approach that includes:

- Theoretical lectures supported by PowerPoint presentations and visual materials (videos and short films).
- Scientific evaluation of participants before and after the program to measure progress and knowledge acquisition.
- Brainstorming sessions and practical role-playing to simulate real-life scenarios.
- Case studies tailored to align with the training content and participants work nature.
- Assessment tests conducted at the end of the program to evaluate the achievement of training objectives.

Each participant will receive comprehensive training materials, including theoretical content, practical exercises, and supporting resources, provided in both printed and digital formats. Detailed reports, including attendance records, final results, and overall program evaluations, are also provided.

Training materials are prepared professionally by a team of experts and specialists in various fields. At the end of the program, participants are awarded a professional attendance certificate, signed and accredited by the Scandinavian Academy for Training and Development.

### **Program Timings:**

- 9:00 AM to 2:00 PM in Arab cities.
- 10:00 AM to 3:00 PM in European and Asian cities.

### **The program includes:**

- A daily Coffee Break provided during the sessions to ensure participants comfort.