

## Maintenance, Planning, Scheduling & Control

*Prague (Czech)*

*7 - 18 October 2024*

UK Training

# PARTNER



## Maintenance, Planning, Scheduling & Control

Code: OG28 From: 7 - 18 October 2024 City: Prague (Czech) Fees: 7900 Pound

### Introduction

Maximizing assets availability and reliability with the optimal cost are two conflicting objectives that each maintenance department needs to achieve. Maintenance planning and scheduling is the first step needed to assist you in achieving these objectives. Maintenance planning and scheduling are not only about using project management software to schedule tasks. Besides planning and scheduling activities the planner needs to ensure that all logistics are provided for. The planner will also need to be engaged in the financial evaluation of maintenance initiatives. Once the planning is done right, the next step will be to ensure that all the work orders are executed as per the plan and in compliance with all Health, Safety, and Environment HSE guidelines as well as company policies and procedures. In this training, various techniques will be discussed that will assist you in due course to plan, schedule, and control all your maintenance work orders for maximum effectiveness

### Course Objectives of Maintenance Planning, Scheduling, and Control

- Apply the latest concepts and techniques needed for effectively planning, scheduling, and controlling maintenance activities.
- Manage routine, corrective, as well as large scale preventive maintenance activities.
- Review the critical operational requirements for successful planning and control of the maintenance work.
- Use the right Key Performance Indicators KPIs for the measurement and evaluation of the maintenance department.

### Course Outline of Maintenance Planning, Scheduling, and Control

#### Day 1

##### Objectives of Maintenance

- What Is Maintenance?
- Evolution of Maintenance
- Challenges Facing Maintenance
- Types of Maintenance
- Classification of Roles in Maintenance
- Customer Service in Maintenance

#### Day 2

##### The Work Order System



- Purpose of the Work Order System
- Information Collected on a WO
- Job Estimating Methods
- Prioritizing Maintenance Work

#### Day 3-4

##### Preventive Maintenance PM

- Understanding PM
- Implementing a PM Program
- Establishing Scheduling
- Breaking a Facility Into Logical Parts
- Developing an Equipment List
- Writing PMs
- Developing Equipment Manuals
- Setting Up Inventory

#### Day 5

##### Planning and Scheduling of Major Maintenance WOs and Shutdowns

- Planning and Scheduling
- Work Breakdown Structure
- Critical Path Method CPM

#### Day 6

##### Resource Scheduling and Leveling Life Cycle Cost of Equipment

- Capital Budgeting
- Accounting Rate of Return ARR
- Payback Method
- Net Present Value Method NPV
- Replacement Analysis of Equipment

#### Day 7

##### Planning and Controlling Maintenance Materials

- Inventory Costs
- Considerations in Inventory Decisions
- Economic Order Quantity EOQ
- Total Material Cost
- When to Order

#### Day 8

##### Safety in Maintenance



- Myths About Safety
- Accidents and Injuries
- Unsafe Acts and Unsafe Conditions
- Cost of Accidents
- Safety Audit

### Day 9-10

#### Controlling Maintenance Work

- Measuring Performance
- Sources of Data
- Backlog Indices
- Schedule Compliance
- PM and Emergency Indices
- Productivity Indicators





## Blackbird Training Cities

### Europe

izmir



Podgorica (Montenegro)



Stockholm (Sweden)



Lyon (France)



Copenhagen (Denmark)



Bordeaux (France)



Annecy (France)



Oslo (Norway)



Edinburgh (UK)



Glasgow (Scotland)



Malaga (Spain)



London (UK)



Istanbul (Turkey)



Amsterdam (Netherlands)



Düsseldorf (Germany)



Paris (France)



Barcelona (Spain)



Munich (Germany)



Geneva (Switzerland)



Prague (Czech)



Vienna (Austria)



Rome (Italy)



Brussels (Belgium)



Madrid (Spain)



Berlin (Germany)



Lisbon (Portugal)



Manchester (UK)



Milan (Italy)

### USA & Canada



Los Angeles (USA)



Florida (USA)



Online



Boston (USA)



Washington (USA)



Miami (USA)



New York (USA)



Toronto (Canada)



## Blackbird Training Cities

### Asia



Baku (Azerbaijan)



Maldives (Maldives)



Manila (Philippines)



Bali (Indonesia )



Bangkok (Tailand)



Beijing (China)



Moscow (Russia )  
(Malaysia)



Singapore (Singapore )



Sydney (Australia)



Tokyo (Japan)



Dubai (UAE)



Kuala Lumpur



Jakarta (Indonesia)

### Africa



Kigali (Rwanda)



Cape Town (South Africa)



Accra (Ghana)



Lagos (Nigeria)



Marrakesh (Marocco)



Nairobi (Kenya)



Cairo (Egypt)



Sharm El-Sheikh (Egypt)



Casablanca (Morocco)



Tunis (Tunisia)



## Blackbird Training Clients



UK Training  
**PARTNER**





## Blackbird Training Categories

### Management & Admin

Professional Skills  
Finance, Accounting, Budgeting  
Media & Public Relations  
Project Management  
Human Resources  
Audit & Quality Assurance  
Marketing, Sales, Customer Service  
Secretary & Admin  
Supply Chain & Logistics  
Management & Leadership  
Agile and Refinement

### Technical Courses

Hospital Management  
Public Sector  
Special Workshops  
Oil & Gas Engineering  
Telecom Engineering  
IT & IT Engineering  
Health & Safety  
Law and Contract Management  
Customs & Safety  
Aviation  
C-Suite Training



International House 185 Tower Bridge  
Road London SE1 2UF United Kingdom



+44 7401 1773 35  
+44 7480 775526



[training@blackbird-training.com](mailto:training@blackbird-training.com)



[www.blackbird-training.com](http://www.blackbird-training.com)

UK Training

**PARTNER**

