



*Training Course:  
Scheduling and Yield Optimization*

*17 - 28 May 2026  
Istanbul (Turkey)  
DoubleTree by Hilton Istanbul Esentepe*

## Training Course: Scheduling and Yield Optimization

Training Course code: EN6060 From: 17 - 28 May 2026 Venue: Istanbul (Turkey) - DoubleTree by Hilton Istanbul Esentepe  
Training Course Fees: 11150 € Euro

### Introduction

Effective scheduling and yield optimization are critical for maximizing operational efficiency, minimizing downtime, and improving profitability in industries such as oil & gas, manufacturing, and process operations. Advanced planning and optimization techniques enable organizations to manage constraints, enhance production output, and make data-driven decisions.

This program, designed by Global Horizon Training Center, provides a comprehensive 10-day training that equips participants with advanced methodologies, analytical tools, and practical skills to optimize scheduling and production yield in complex operational environments.

### Course Objectives

By the end of this program, participants will be able to:

- Develop advanced scheduling models and strategies
- Optimize resource allocation and production planning
- Analyze constraints and bottlenecks in operations
- Apply yield optimization techniques to improve efficiency
- Utilize data analytics and optimization tools
- Perform scenario analysis and simulation
- Integrate scheduling with operational and supply chain processes
- Enhance decision-making and operational performance

### Target Audience

This program is designed for:

- Planning and Scheduling Engineers
- Production and Operations Engineers
- Supply Chain and Logistics Professionals
- Process Engineers in industrial sectors
- Oil & Gas and Manufacturing Professionals
- Analysts involved in optimization and performance improvement

### Outline

#### Day 1: Fundamentals of Scheduling and Planning

- Introduction to scheduling concepts
- Types of scheduling production, maintenance, supply chain
- Constraints and dependencies
- KPIs and performance metrics
- Overview of optimization

#### Day 2: Advanced Scheduling Techniques

- Resource allocation and leveling
- Critical Path Method CPM
- Gantt charts and timeline optimization
- Handling uncertainties
- Integration with operations

#### Day 3: Production Planning and Control

- Demand forecasting basics
- Production planning strategies
- Capacity planning
- Inventory considerations
- Planning under constraints

#### Day 4: Yield Optimization Fundamentals

- Understanding yield and efficiency
- Factors affecting yield
- Process variability and losses
- Yield measurement techniques
- Improvement opportunities

#### Day 5: Process Optimization Techniques

- Lean and Six Sigma concepts
- Bottleneck analysis
- Continuous improvement methods
- Waste reduction strategies
- Performance metrics

#### Day 6: Data Analysis and Modeling

- Data collection and validation
- Statistical analysis for operations
- Excel and basic modeling tools
- Data visualization
- Decision support

#### Day 7: Optimization Tools and Simulation

- Optimization models linear programming basics
- Scenario analysis and simulation

- Software tools for optimization
- Sensitivity analysis
- Risk considerations

#### Day 8: Integration with Supply Chain and Operations

- Linking scheduling with supply chain
- Logistics and distribution planning
- Coordination across departments
- Real-time decision-making
- Digital tools and automation

#### Day 9: Performance Monitoring and Improvement

- KPI tracking and dashboards
- Performance benchmarking
- Continuous improvement strategies
- Change management
- Best practices

#### Day 10: Case Studies and Practical Applications

- Real-world scheduling and optimization cases
- Problem-solving workshops
- Lessons learned
- Strategy development
- Final assessment and review

## Registration form on the Training Course: Scheduling and Yield Optimization

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Complete & Mail or fax to Global Horizon Training Center (GHTC) at the address given below

### Delegate Information

Full Name (Mr / Ms / Dr / Eng): .....  
 Position: .....  
 Telephone / Mobile: .....  
 Personal E-Mail: .....  
 Official E-Mail: .....

### Company Information

Company Name: .....  
 Address: .....  
 City / Country: .....

### Person Responsible for Training and Development

Full Name (Mr / Ms / Dr / Eng): .....  
 Position: .....  
 Telephone / Mobile: .....  
 Personal E-Mail: .....  
 Official E-Mail: .....

### Payment Method

- Please find enclosed a cheque made payable to Global Horizon
- Please invoice me
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### Easy Ways To Register

Telephone:  
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place.

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form to: +20233379764

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info@gh4t.com  
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