



*Training Course:
Yield Optimization*

*29 November - 3 December 2026
Cairo (Egypt)*

Training Course: Yield Optimization

Training Course code: EN235507 From: 29 November - 3 December 2026 Venue: Cairo (Egypt) - Training Course Fees: 4410 € Euro

Introduction

Yield optimization is a critical objective in industries such as oil & gas, petrochemicals, manufacturing, and food processing. Improving yield directly impacts profitability, resource utilization, and operational efficiency by maximizing output while minimizing waste and losses.

This 5-day intensive training program, developed by Global Horizon Training Center, provides a practical and analytical approach to yield optimization. It combines process engineering principles, data analysis, and operational strategies to help organizations enhance production performance.

Participants will gain the tools and techniques required to analyze processes, identify inefficiencies, and implement effective optimization strategies.

Course Objectives

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

- Understand yield concepts and performance metrics
- Analyze process efficiency and identify losses
- Apply techniques for yield improvement
- Optimize process parameters and operations
- Use data-driven decision-making for optimization
- Reduce waste and improve resource utilization
- Implement continuous improvement strategies

Target Audience

- Process and Production Engineers
- Operations and Plant Managers
- Chemical and Industrial Engineers
- Quality and Continuous Improvement Professionals
- Maintenance and Reliability Engineers

Outline

Day 1: Fundamentals of Yield Optimization

- Definition and importance of yield
- Types of yield process yield, product yield
- Key performance indicators KPIs
- Sources of losses and inefficiencies

Day 2: Process Analysis and Performance Evaluation

- Process mapping and flow analysis
- Mass and energy balances
- Identifying bottlenecks
- Data collection and analysis techniques

Day 3: Optimization Techniques and Tools

- Process parameter optimization
- Statistical methods basic SPC
- Lean and Six Sigma principles
- Root cause analysis for yield losses

Day 4: Advanced Optimization Strategies

- Real-time monitoring and control
- Process simulation and modeling
- Energy efficiency and waste reduction
- Case studies in yield improvement

Day 5: Implementation & Continuous Improvement

- Developing yield improvement plans
- Performance monitoring and control
- Change management and team involvement
- Final workshop: Designing a yield optimization strategy
- Review and evaluation

Registration form on the Training Course: Yield Optimization

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

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Payment Method

- ☐ Please find enclosed a cheque made payable to Global Horizon
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