



*Training Course:
Oil and Gas Optimization*

14 - 18 September 2025

Cairo (Egypt)

Holiday Inn & Suites Cairo Maadi, an IHG Hotel

Training Course: Oil and Gas Optimization

Training Course code: EN235968 From: 14 - 18 September 2025 Venue: Cairo (Egypt) - Holiday Inn & Suites Cairo Maadi, an IHG Hotel Training Course Fees: 4200 € Euro

Introduction

The Oil and Gas Optimization training program is a specialized course developed by Global Horizon Training Center to empower professionals within the Manufacturing Planning Department of oil and gas companies. As the industry becomes increasingly data-driven and efficiency-focused, optimizing manufacturing and planning processes has become a critical priority.

This program is designed to bridge the gap between planning, production, and operational efficiency through integrated techniques, tools, and best practices. Participants will gain practical knowledge on how to streamline planning activities, minimize costs, improve throughput, and enhance coordination across upstream, midstream, and downstream processes.

Objectives

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

- Understand the full spectrum of manufacturing planning within oil and gas operations.
- Apply optimization principles to reduce costs, time, and waste in production.
- Leverage planning tools and technologies to enhance scheduling and forecasting.
- Align planning efforts with operational, logistical, and commercial objectives.
- Analyze production data to support strategic and tactical decisions.
- Integrate cross-functional planning for improved asset and resource utilization.

Organizational Impact

Organizations enrolling their staff in this program can expect to achieve:

- Enhanced planning efficiency, reducing downtime and bottlenecks
- Improved synchronization between planning, production, and supply chain
- Greater flexibility in responding to market and operational changes
- Better resource utilization and cost savings across the value chain

- A culture of continuous improvement through optimized planning practices

Target Audience

This course is ideal for professionals in the oil and gas industry, particularly:

- Manufacturing and Production Planners
- Operations and Facility Managers
- Process Engineers and Technical Supervisors
- Supply Chain and Logistics Coordinators
- Maintenance and Asset Management Teams
- ERP and Planning System Analysts
- Strategic Planners and Decision Support Staff

Outlines

Day 1: Overview of Manufacturing Planning in Oil & Gas

- Introduction to Oil & Gas Industry Operations Upstream to Downstream
- Role of Manufacturing Planning in Oil & Gas Optimization
- Common Challenges and Opportunities
- Key Concepts: Lead Times, Production Cycles, Asset Utilization
- Industry Trends in Digital Planning
- Group Discussion: Mapping Your Value Chain

Day 2: Optimization Tools and Techniques in Oil & Gas

- Lean Manufacturing Principles for Oil & Gas
- Process Mapping and Bottleneck Identification
- Data Analytics and Forecasting in Planning
- Key Planning Software and ERP Integration
- Inventory and Material Flow Optimization

Day 3: Planning for Production Efficiency

- Demand Planning and Capacity Alignment
- Maintenance Planning and Downtime Reduction
- Scheduling Strategies for Continuous and Batch Operations
- Integrating Field Data into Planning Processes
- Energy Consumption and Cost Optimization
- Case Study: Planning Failures and Lessons Learned

Day 4: Advanced Planning Strategies and Digital Transformation

- Predictive Planning Using Real-Time Data
- Digital Twins and Planning Simulations
- Cross-Functional Alignment: Engineering, Operations & Commercial
- Risk Management in Planning Supply Interruptions, Market Volatility
- Emerging Technologies: AI, IoT, and Automation
- Group Activity: Develop a Planning Optimization Roadmap

Day 5: Practical Application and Strategy Development

- Real-World Case Analysis Integrated Planning Success Story
- Participant Presentations: Optimization Proposal for Their Plant
- Planning Performance Metrics and Continuous Improvement
- Executive Buy-In and Organizational Change
- Final Q&A and Wrap-Up Session
- Certificate Distribution & Closing Remarks

Registration form on the Training Course: Oil and Gas Optimization

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

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Full Name (Mr / Ms / Dr / Eng):
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Person Responsible for Training and Development

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

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