Global Horizon
TRAINING CENTER

Training Course:
Gasoline blending

30 June - 4 July 2025
London (UK)
Landmark Office Space - Oxford Street

Training Course:
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Training Course code: EN235972 From: 30 June - 4 July 2025 Venue: London (UK) - Landmark Office Space - Oxford Street Training Course Fees: 6500 Euro

Introduction

The Gasoline Blending training program, designed and delivered by Global Horizon Training Center, is tailored for professionals working in the Manufacturing Planning Department of refineries and petrochemical facilities. Gasoline blending is a critical process in fuel production, directly impacting product quality, environmental compliance, cost efficiency, and production schedules.

This program is developed to provide planning and operations personnel with the technical knowledge, strategic insight, and optimization techniques needed to manage and improve gasoline blending operations effectively. Participants will explore how blending decisions affect inventory, throughput, quality specifications, and profitability, all while aligning with regulatory requirements and operational constraints.

Objectives

By completing this course, participants will be able to:

- Understand the fundamentals of gasoline blending processes and the role of manufacturing planning.
- Analyze blending components and their impact on final fuel properties.
- Apply optimization techniques to minimize blending costs and product giveaway.
- Ensure compliance with quality and environmental standards e.g., octane number, RVP.
- Utilize blending models and software for planning and execution.
- Coordinate cross-functionally to align blending with overall refinery production plans.

Organizational Impact

Organizations can expect the following benefits from this training:

- Improved blending efficiency and product quality consistency
- Reduced blending-related losses and reprocessing costs
- Enhanced integration between planning, production, and quality departments
- Better use of blending components, reducing overuse of premium streams

- Stronger compliance with product specifications and market requirements
- A more agile and skilled planning team capable of optimizing production strategies

Target Audience

This course is specifically designed for:

- Manufacturing and Production Planners in Refineries
- Blending Operations Supervisors and Coordinators
- Process Engineers and Quality Control Specialists
- Supply Chain and Scheduling Analysts
- Technical and Strategic Planning Personnel
- Plant Managers and Operations Team Leaders

Outlines

Day 1: Introduction to Gasoline Blending

- Overview of Refining Processes and the Role of Blending
- Types of Gasoline and Regional Specification Requirements
- Key Properties of Gasoline: Octane, RVP, Sulfur, etc.
- Manufacturing Planning and Its Role in Blending
- Introduction to Blending Infrastructure Tanks, Pumps, Manifolds

Day 2: Blending Components and Quality Control

- Overview of Common Blendstocks Reformate, Alkylate, FCC Naphtha, etc.
- Component Properties and Interactions
- Quality Assurance and Laboratory Testing Protocols
- Environmental and Regulatory Requirements
- Exercise: Matching Components to Meet Target Specifications
- Review Session and Q&A

Day 3: Blending Economics and Optimization Techniques

- Cost Drivers in Blending Giveaway, Penalties, Inventory Holding
- Minimizing Premium Component Usage
- Introduction to Blending Models and Optimization Algorithms
- Hands-on Activity: Solve a Basic Blending Optimization Scenario
- Case Study: Improving Octane Usage Efficiency in Blending

Day 4: Planning Tools and Systems Integration

- Blending Planning Software Overview e.g., Aspen, Honeywell, Custom Solutions
- Integrating Blending Plans with Production and Scheduling Systems
- Role of Real-Time Data and Automation in Blending Control
- Scenario Planning for Market Changes or Component Shortage

Day 5: Implementation, Monitoring, and Strategy Development

- Monitoring and Adjusting Blending in Real-Time
- Troubleshooting Common Issues in Blending Operations
- Coordination Between Planning, Operations, and Quality Teams
- Group Presentations: Optimized Blending Strategy for a Case Refinery
- Final Wrap-Up, Individual Feedback, and Certificate Distribution

Registration form on the Training Course: Gasoline blending

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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
- ☐ Please invoice my company

Easy Ways To Register

Telephone: +201095004484 to provisionally reserve your place.	Fax your completed registration form to: +20233379764	E-mail to us : info@gh4t.com or training@gh4t.com	Complete & return the booking form with cheque to:Global Horizon 3 Oudai street, Aldouki, Giza, Giza Governorate, Egypt.