



*Training Course:  
Wellhead Mechanical Proficiency*

*28 June - 2 July 2026  
Istanbul (Turkey)  
DoubleTree by Hilton Istanbul Esentepe*

## Training Course: Wellhead Mechanical Proficiency

Training Course code: EN236483 From: 28 June - 2 July 2026 Venue: Istanbul (Turkey) - DoubleTree by Hilton Istanbul Esentepe Training Course Fees: 6825 € Euro

### Introduction

This specialized training program is designed by Global Horizon Training Center to enhance the mechanical proficiency of professionals working with wellhead systems and Christmas Tree assemblies in the oil and gas industry. The program focuses on the structural understanding, operational integrity, and maintenance of wellhead equipment in accordance with international standards such as API 6A.

Participants will gain in-depth technical knowledge of wellhead components, material classifications, sealing and lubrication technologies, and pressure control systems. The program emphasizes operational excellence, safety compliance, and reliability through structured Standard Operating Procedures SOPs, advanced maintenance practices, and pressure testing protocols.

### Objectives

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

- Understand the full mechanical structure and functionality of wellhead and Christmas Tree systems
- Interpret API 6A specifications, including material and temperature classifications
- Apply advanced lubrication and sealing techniques for high-pressure systems
- Operate and maintain wellhead equipment using industry-standard procedures
- Conduct pressure testing and interpret results accurately
- Verify well integrity barriers to ensure operational safety and compliance

### Course Methodology

- Interactive technical presentations
- Case-based discussions from real oilfield operations
- Demonstrations of equipment and procedures
- Group discussions on operational challenges
- Technical interpretation of charts and testing data

### Organizational Impact

- Improved operational safety and reduced risk of wellhead failure
- Enhanced maintenance efficiency and reduced downtime
- Increased compliance with international standards API, ISO
- Strengthened technical competency of field personnel
- Better decision-making in high-pressure operational environments

## Target Audience

- Wellhead Engineers and Technicians
- Field Operators and Supervisors
- Maintenance Engineers in Oil & Gas
- Drilling and Production Engineers
- HSE and Integrity Management Professionals

## Outlines

### Day 1:

#### Wellhead & Christmas Tree Fundamentals

- Introduction to wellhead systems and their role in oil & gas operations
- Overview of wellhead equipment and system configurations
- Anatomy of wellhead components casing head, tubing head, spools
- Introduction to Christmas Tree assemblies and functions
- Surface vs subsea wellhead systems

### Day 2:

#### API 6A Standards & Material Classification

- Overview of API 6A specifications and compliance requirements
- Material classes and their applications
- Temperature classifications and operational limits

- Pressure ratings and equipment selection criteria
- Corrosion resistance and material performance

#### Day 3:

##### Advanced Lubrication & Sealing Technologies

- Principles of lubrication in high-pressure systems
- Types of seals used in wellhead systems metal-to-metal, elastomers
- Failure modes of seals and preventive measures
- High-pressure injection techniques
- Proper handling and use of injection equipment
- Best practices for sealing system integrity

#### Day 4:

##### Standard Operating Procedures SOPs for Wellhead Maintenance

- Development and implementation of SOPs for WHM
- Routine inspection and preventive maintenance strategies
- Troubleshooting common wellhead issues
- Safety protocols during maintenance operations
- Documentation and reporting standards
- Case scenarios in wellhead maintenance

#### Day 5:

##### Pressure Testing & Barrier Verification

- Principles of pressure testing for wellhead systems
- Types of pressure tests hydrostatic, pneumatic
- Reading and interpreting pressure charts
- Leak detection and integrity assessment
- Barrier verification principles



- Ensuring compliance with safety and regulatory standards

## Registration form on the Training Course: Wellhead Mechanical Proficiency

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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  
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