

# € TRAINING

Field Maintenance of Oil and Gas Wellheads  
and Subsea Systems





# Field Maintenance of Oil and Gas Wellheads and Subsea Systems

## Program Introduction:

The program is designed to equip participants with the essential skills and knowledge required to effectively maintain and manage oil and gas wellheads and subsea systems. This comprehensive program focuses on the critical aspects of field maintenance, including the latest technologies, best practices, safety protocols, and troubleshooting techniques. Participants will gain hands-on experience and practical insights to ensure the efficient and safe operation of wellheads and subsea systems.

## Program Objectives:

- Understand Wellhead and Subsea System Components.
- Enhance Maintenance Skills.
- Implement Safety Protocols.
- Troubleshoot Effectively.
- Apply Best Practices.

## Targeted Audience:

- Field Maintenance Engineers
- Oil and Gas Technicians
- Subsea System Operators
- Maintenance Supervisors
- Safety Officers in the Oil and Gas Industry
- Engineers and Technical Staff involved in the maintenance of wellheads and subsea systems

## Outlines:

### Unit 1

#### Introduction to Wellheads and Subsea Systems:

- Overview of Wellhead Systems
- Subsea System Components and Functions

- Installation and Configuration of Wellheads
- Basic Operation Principles of Subsea Systems

## Unit 2

### Maintenance Techniques and Best Practices:

- Routine Inspection Procedures
- Preventive Maintenance Strategies
- Repair Techniques for Wellheads
- Maintenance Scheduling and Planning

## Unit 3

### Safety and Risk Management:

- Safety Standards for Wellhead Maintenance
- Hazard Identification and Risk Assessment
- Emergency Response Procedures
- Safe Work Practices and Personal Protective Equipment PPE

## Unit 4

### Troubleshooting and Problem-Solving:

- Common Wellhead and Subsea System Issues
- Diagnostic Tools and Techniques
- Problem-Solving Methodologies
- Case Studies and Practical Exercises

## Unit 5

### Technological Advancements and Innovations:

- Latest Technologies in Wellhead Maintenance
- Innovations in Subsea Systems



- Automation and Remote Monitoring
- Future Trends in Oil and Gas Field Maintenance