



## **Inspection & Maintenance of Casing, Tubing & Wellhead: Standards, Safety Training Course**



**AGILE LEADERS**  
Training Center



## **Inspection & Maintenance of Casing, Tubing & Wellhead: Standards, Safety Training Course**

### **Course Overview:**

The course is designed to provide a complete understanding of the essential inspection techniques, industry standards, and safety protocols necessary for maintaining wellhead integrity. Participants will gain hands-on experience with casing inspection techniques, tubing inspection tools, and wellhead component inspection methods. The course emphasizes understanding industry standards for casing and regulatory requirements for wellhead maintenance, providing a solid foundation in defect identification in tubing and best practices for maintenance procedures. Attendees will also learn preventative measures for tubing and safety measures in casing inspection. This course offers practical field training, ensuring proficiency in wellhead inspection and maintenance.

### **Target Audience:**

- Engineers
- Maintenance Technicians
- Quality Control Inspectors
- Safety Officers

### **Targeted Organizational Departments:**

- Engineering
- Maintenance
- Quality Control
- Health & Safety

### **Targeted Industries:**

- the oil and gas
- downstream operations
- Industries involved in drilling, production, and maintenance of wellhead equipment

### **Course Offerings:**

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

- Conduct thorough casing inspection techniques.



- Utilize specialized tubing inspection tools.
- Perform wellhead component inspection.
- Comply with industry standards for casing and regulatory requirements for wellhead.
- Identify and address common defects in tubing.
- Implement maintenance procedures and preventative measures.
- Adhere to safety protocols during inspection and maintenance activities.
- Demonstrate proficiency in wellhead inspection through hands-on training.

## Training Methodology:

The training methodology for this course includes a blend of theoretical knowledge and practical application. Participants will engage in case studies, group discussions, and interactive sessions to reinforce learning. The course also includes hands-on training in wellhead maintenance and inspection, utilizing real-world scenarios to ensure participants can apply the skills in their work environment.

## Course Toolbox:

Participants will receive:

- workbooks
- reading materials
- online resources
- checklists and templates for defect identification and maintenance procedures.

## Course Agenda:

### Day 1: Introduction to Inspection Techniques

- **Topic 1:** Overview of Wellhead Components
- **Topic 2:** Introduction to Casing Inspection Techniques
- **Topic 3:** Tools and Methods for Tubing Inspection
- **Topic 4:** Techniques for Wellhead Component Inspection
- **Topic 5:** Initial Hands-on Practice: Basic Inspection Methods
- **Topic 6:** Understanding the Role of Inspections in Maintenance
- **Reflection & Review:** Summary of Key Inspection Techniques and Tools

### Day 2: Industry Standards and Regulations

- **Topic 1:** Overview of Industry Standards for Casing
- **Topic 2:** Regulatory Requirements for Wellhead Maintenance
- **Topic 3:** Compliance with Standards in Tubing Inspection
- **Topic 4:** Case Study: Application of Standards in Real Scenarios
- **Topic 5:** Developing a Compliance Checklist for Inspections



- **Topic 6:** Hands-on Practice: Standards Application in Inspection
- **Reflection & Review:** Key Takeaways on Standards and Compliance

### **Day 3: Defect Identification and Safety Protocols**

- **Topic 1:** Identifying Common Defects in Tubing and Casing
- **Topic 2:** Defect Identification Processes and Techniques
- **Topic 3:** Safety Protocols During Inspection Activities
- **Topic 4:** Case Study: Defect Identification in Field Conditions
- **Topic 5:** Implementing Safety Measures in Maintenance
- **Topic 6:** Hands-on Practice: Safety Protocols and Defect Identification
- **Reflection & Review:** Importance of Safety and Defect Identification

### **Day 4: Maintenance Procedures and Preventative Measures**

- **Topic 1:** Best Practices for Wellhead Maintenance
- **Topic 2:** Preventative Measures for Tubing and Casing
- **Topic 3:** Developing a Maintenance Plan
- **Topic 4:** Techniques for Extending Component Life
- **Topic 5:** Hands-on Practice: Implementing Preventative Measures
- **Topic 6:** Maintenance Documentation and Record-Keeping
- **Reflection & Review:** Consolidating Maintenance Strategies and Plans

### **Day 5: Hands-on Training and Advanced Techniques**

- **Topic 1:** Advanced Inspection Techniques for Wellhead Components
- **Topic 2:** In-depth Training on Tubing and Casing Maintenance
- **Topic 3:** Final Hands-on Assessment: Inspection and Maintenance Skills
- **Topic 4:** Review of Case Studies and Real-World Applications
- **Topic 5:** Preparing for Industry Certification and Competency
- **Topic 6:** Course Conclusion and Certification Ceremony
- **Reflection & Review:** Final Reflections and Course Summary

## **How This Course is Different from Other Inspection Courses:**

This course stands out by offering a unique combination of complete theoretical knowledge and extensive hands-on training. Unlike other courses, it provides an in-depth focus on casing inspection techniques, tubing inspection tools, and wellhead component inspection, ensuring participants are well-versed in industry standards and regulatory requirements. The course includes practical field training, allowing participants to apply their skills in realistic scenarios, thereby enhancing their competence and confidence in wellhead maintenance and safety protocols. With a dedicated emphasis on defect identification, maintenance procedures, and preventative measures, this course prepares professionals to excel in the demanding environments of the oil and gas industry.

# WHO WE ARE

Agile Leaders is a renowned training center with a team of experienced experts in vocational training and development. With 20 years of industry experience, we are committed to helping executives and managers replace traditional practices with more effective and agile approaches.

## OUR VISION

We aspire to be the top choice training provider for organizations seeking to embrace agile business practices. As we progress towards our vision, our focus becomes increasingly customer-centric and agile.

## OUR MISSION

We are dedicated to developing value-adding, customer-centric agile training courses that deliver a clear return on investment. Guided by our core agile values, we ensure our training is actionable and impactful.

## WHAT DO WE OFFER

At Agile Leaders, we offer agile, bite-sized training courses that provide a real-life return on investment. Our courses focus on enhancing knowledge, improving skills, and changing attitudes. We achieve this through engaging and interactive training techniques, including Q&As, live discussions, games, and puzzles.



**AGILE LEADERS**  
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## Gamified and Interactive Training

We understand that training delivery can be challenging, both online and offline. To ensure engagement and achieve learning objectives, we have developed our own activities and collaborated with industry-leading solutions to gamify our training sessions. This approach increases interaction levels and guarantees effective learning outcomes.



## Our Training Categories

We cover a wide range of training categories to cater to different needs and interests

- Branding, Marketing, Customer Relations, & Sales Programs
- Political & Public Relations Programs
- Finance and Accounting Programs
- Project Management Programs
- Human Resources Management Programs
- Quality & Process Management
- Management & Leadership Programs
- Self-Development Programs

Join Agile Leaders today and embark on a transformative journey towards becoming a more agile and effective leader. Experience our customer-centric approach, actionable training, and guaranteed return on investment. Let us help you unleash your full potential in the dynamic business landscape.



## Where to Find Us

You can join our training programs at our centers located in



We also offer online training sessions through the Zoom platform.

- Malaysia** Kuala Lumpur
- Morocco** Casablanca
- Spain** Barcelona
- France** Paris
- UK** London
- Italy** Rome
- Egypt** Cairo, Sharm El-Sheikh
- Turkey** Istanbul
- Georgia** Tbilisi
- Azerbaijan** Baku
- UAE** Dubai



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