

# € TRAINING

High Pressure Vessel Inspection Of  
Specification API 510



1 - 5 September 2024  
Cairo (Egypt)



# High Pressure Vessel Inspection Of Specification API 510

REF: O1514 DATE: 1 - 5 September 2024 Venue: Cairo (Egypt) - Fee: 4465 Euro

## Introduction:

The main emphasis of this course is on improving and ensuring safety through the use of owner/user or third-party inspectors specialized in pressure equipment in a manner that protects its employees, public, and environment.

## Course Objectives:

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

- Understanding the Pressure Vessel Inspection Code.
- Understanding Maintenance Inspection.
- Identifying the Damage Mechanisms Affecting Fixed Equipment in the Refining Industry.
- Explaining the Inspection of Pressure Vessels.
- Explaining the Inspection of Pressure-Relieving Devices.
- Understanding the Welding Inspection and Metallurgy.
- Identifying the Boiler and Pressure Vessel Code.

## Targeted Audience:

- Those who are involved in the design, procurement, engineering construction, operation, maintenance, and inspection of pressure vessel and related facilities.
- All personnel working in the oil, gas, and petrochemical industry.
- Operators.
- Technicians.
- Engineers.
- Course Details/Schedule.

## Course Outlines:

### Unit 1: Introduction:

- Terminology.
- Corrosion Rates and Inspection Intervals.
- Joint Efficiencies.

### Unit 2: Static Head:

- Internal Pressure.
- External Pressure.
- Pressure Testing.

### Unit 3: Impact Testing:

- Weld Size For Attachment Welds at Openings.
- Nozzle Reinforcement.
- Welding Procedure.

### Unit 4: Qualify Cation Evaluation Based on Asme Boiler And Pressure Vessel Code:

- Weld Procedure Review May Include Smaw, Gtaw, Gmaw, Or Saw, With The Following Limitations.
- General Welding Requirements.

### Unit 5: Nondestructive Examination:

- Practical Knowledge General.
- Practical Knowledge Specific.