

# € TRAINING

Piping Inspection of Specification API 570



15 - 19 September 2024  
Istanbul (Turkey)



# Piping Inspection of Specification API 570

REF: O1513 DATE: 15 - 19 September 2024 Venue: Istanbul (Turkey) - Fee: 6375 Euro

## Introduction:

This program is designed to prepare participants for the [API 570 certification exam](#) only. It equips participants with the essential skills and knowledge required to conduct inspections according to the American Petroleum Institute API 570 standards, ensuring the safety and efficiency of piping systems.

## Program Objectives:

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

- Understand the scope and requirements of API 570 for piping inspections.
- Gain proficiency in conducting inspections, assessments, and evaluations.
- Learn techniques for detecting and evaluating corrosion and other damage mechanisms.
- Develop skills in reporting findings and recommending corrective actions.
- Implement best practices for maintaining compliance and safety in piping systems.
- Prepare effectively for the certification exam.

## Target Audience:

- Piping inspectors and engineers.
- Maintenance and integrity personnel.
- Quality assurance and quality control QA/QC inspectors.
- Plant operators and facility managers.
- Professionals seeking certification or enhancement in the piping inspection.

## Program Outline:

### Unit 1:

#### Introduction to API 570 Standards:

- Overview of API 570 Code Requirements.
- Roles and Responsibilities of Piping Inspectors.

- Regulatory Framework and Compliance Requirements.
- Importance of Piping Inspections.
- Professional Conduct and Ethics in Inspections.

## Unit 2:

### Inspection Techniques and Methods:

- Non-Destructive Testing NDT Methods UT, PT, MT, RT.
- Visual Inspection Techniques.
- Thickness Measurement and Monitoring.
- Welding Inspection and Examination.
- Advanced Inspection Technologies.

## Unit 3:

### Corrosion and Damage Mechanisms:

- Corrosion Types and Mechanisms.
- Erosion, Erosion-Corrosion, and Mechanical Damage.
- Welding Defects and Inspection Requirements.
- Brittle Fracture and Environmental Cracking.
- Fitness-for-Service FFS Assessment.

## Unit 4:

### Reporting and Documentation:

- Inspection Planning and Preparation.
- Requirements for Inspection Reports.
- Documentation of Findings and Recommendations.
- Risk-Based Inspection RBI Strategies.
- Case Studies and Lessons Learned.



## Unit 5:

### Certification Exam Preparation:

- Review of API 570 exam structure and question types.
- Key topics and concepts likely to appear on the exam.
- Study strategies and tips for successful exam preparation.
- Final review of inspection standards, techniques, and compliance.

Note: This program is specifically designed to prepare participants for the certification exam only.