

Duration: 3 Days

Training Sessions: 17 – 19 January 2018 (Bangkok)
6 – 8 June 2018 (Bangkok)

Fees: 26,000 Baht / Person*

Ref. N/A

Suitable for:

Any person who should oversee or subcontract a non-destructive testing examination in the field of the manufacture or maintenance, as well as operators who want to gain knowledge, of major non-destructive testing method.

Objectives:

At the end of the training course, you will be able:

- To define the principles and scope of each method;
- To choose the appropriate method of inspection;
- To know the additional inspection methods To understand the inspection report.

This course includes practical workshops

Content:

OVERVIEW OF NON-DESTRUCTIVE TESTING

- Basic
- Principle
- Applicability Advantage and Limitation

QUALITY OF WELDED JOINTS

- Introduction
- Types of defects
- Standards

WELDING PROCESSES

- Structure of the weld
- Welding positions
- Welding processes

DEFECTS IN WELDED STRUCTURES

- Introduction
- Classification of defect in welds

VISUAL INSPECTION

- Principles and scope
- Equipments
- Acceptance criteria
- Standards

DYE PENETRANT TESTING

- Principles and scope
- Physical phenomena
- Operating procedure
- Interpretation and acceptance criteria
- Test pieces and selection of the products
- Health and safety
- Automatic processes
- Standards

MAGNETIC PARTICLE TESTING

- Principles and scope
- Physical phenomena
- Methods of inspection
- Procedure
- Interpretation of indications and acceptance criteria
- Standards

ULTRASONIC TESTING

- Principles and scope
- Generation of ultrasounds
- Propagation of ultrasounds
- Equipments
- Techniques
- Procedure for butt welds inspection
- Standards

RADIOGRAPHIC TESTING

- Principles and scope
- X and gamma radiations
- Properties of radiations
- The film
- The image quality and control
- Techniques of shots
- Standards
- Radiations protection

LEAK TEST

- Principles and scope
- Methods of investigations
- Implementation of the testing
- Techniques
- Standards

EDDY CURRENT

- Principles of the method
- Scope
- Equipment
- Techniques
- Standards

TOFD (Time of Flight Diffraction)

- Principles of the method
- Field of application
- Equipment
- Standards

PHASED ARRAY OTHER METHODS SUMMARY

* Excluding VAT - Published prices and schedules are subject to change without advance notification

* Registration fees are inclusive of lunch and coffee breaks