



**REF : IN15**

**DURATION : 12 to 15 days  
+ 1 day for the exam**

**PARTICIPANTS : 8 pers.**

**FEES : please contact us**  
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**TARGETED AUDIENCE\***  
See below

#### **PRE-REQUISITES**

Requirements for initial Qualification:  
- Experience Hours in Method : 630  
- Total Hours in NDT : 1200

**Training performed in English.**

## **NDT Level II Qualification - Radiographic Testing (RT) / SNT-TC-1A**

#### **\*TARGETED AUDIENCE**

Inspectors, managers, production engineers, design office engineers and technicians.

#### **Learning objectives**

Select the NDT technique for the Radiographic Testing method to be used

Define the limitations of application of the testing method

Interpret and translate RT codes, standards, specifications and procedures into NDT instructions adapted to the actual working conditions

Set up and verify equipment settings

Perform and supervise tests

Carry out and supervise all tasks at or below level 2

Provide guidance for personnel at or below level 2 and report the results of RT tests

Interpret and evaluate results according to applicable standards, codes, specifications or procedures.

#### **Learning Aid**

Presentations and practical exercises.

#### **Trainer**

Level III - RT / SNT-TC-1A.

#### **Training contents**

- Physical Basics and background of the Radiographic Testing
- Origin of X-ray and Gamma Radiation
- Weakening and Energy Selection
- Films and Foils, Film System and Film Contrast
- Film Processing and Film Observation, Evaluation of radiographs
- Image Quality Factors and Image Quality Determination
- Object and Radiation contrast, Geometric Imaging Conditions
- Detail detectability, Analyzable area, Distortion and Object range
- Test techniques for castings and welded joints
- Imperfections in materials (Production and Operational)
- Standards and codes
- Reporting
- Practical and hands-on exercising (exposure, source handling, film processing, film
- Evaluation.