

**“Storage Tank (Design & Inspection)”
Training Program
(English Material)**

Course Length: 16 Hours @ 4days

Course Objective

Upon completion of this course, attendees will be able to describe the main design parameters that must be considered in the mechanical design of storage tanks and to identify the inspection procedures of storage tanks

Who Should Attend?

Individuals who have engineering, inspection, and specifying or reviewing the mechanical design requirements, responsibility related to storage tanks

Course Outline:

Storage tank types and features

Mechanical Design Requirements

- Mechanical Design parameters
- Shell Thickness Determination
- Nozzle Design Details
- Designing Tanks for Small Internal Pressures
- Elevated Temperature Storage Tanks

Inspection and Testing Requirements

- Types of Weld Defects
- Inspection Methods
- Inspection Requirements

Tank Inspection

- Objectives
- Inspection Frequencies
- Inspector Qualifications

Tank Component Evaluation

- Shell

- Bottom
- Roof
- Foundation
- Shell and Bottom Settlement

Leak Detection Methods

Examination and Testing

- General
- Welding Inspection
- Hydrostatic Testing