



Course: API 653 ABOVE GROUND STORAGE TANK INSPECTOR

Code	City	hotel	Start	End	Hours	price
816	DUBAI (UAE)	Hotel Meeting Room	2026-08-24	2026-08-28		3450 €

Outline

Module (1) Storage Fundamentals, Design and Construction of a tank (API 650):-

- Stress levels that are acceptable Design of the shell, roof design, and bottom design
- Shell thickness calculations, bottom plate thickness, roof plates, and nozzle apertures
- Material selection, API 650 impact test requirements, and impact test results
- API 650 Tank Fabrication, Erection, NDT, and Leak Testing Requirements

Module (2) Getting to Know the Storage Tank Inspection Code (API 653):-

- API 653: Introduction, Scope, Definitions, and Organization
- Inspection intervals and inspection scope
- Roof, Shell, and Bottom data review and corrosion assessment
- API 653 Inspection and Testing Practices, Estimation of Corrosion Rate
- Checking for brittle failure
- Various decomposition-prevention measures
- Inspection frequency and scope, data analysis

Module (3) Getting to Know the Storage Tank Inspection Code (API 653):-

- Storage tank repairs, renovations, and reconstruction



- Tank relocation and re-erection, as well as tank bottom replacement
- Using a hot tap on the tank`s shell
- Extensive coverage of material corrosion and degradation (API 571)
- Non-destructive testing (NDT) of tank repairs and leak testing
- Checking for bottom settlement

Module (4) Inspection of the storage tank (study of other codes and standards):-

- Discussions on soil corrosion cathodic protection methods (API RP 651)
- Storage tank inspection techniques that should be followed (API RP 575)
- Discussions on the lining of storage tank bottoms (API RP 652)
- An overview of ASME Section IX and its provisions
- Qualification of welding procedures and welders, as well as case studies of PQR and WPS inspections

Module (5) Discussions on Corrosion Protection & Quality of Welding

- Discussions on Lining of bottoms of storage tanks (API RP 652)
- Discussions on API RP 577, welding inspection
- Understanding the difference between Inspection and Examination
- Various NDE methods to detect flaws in metals
- Understanding rules imposed by ASME Sec. V for various NDE techniques
- Final examinations Conclusion and Recommendation



The Scandinavian Academy for Training and Development adopts the latest scientific and professional methodologies in training and human resource development, aiming to enhance the efficiency of individuals and organizations. Training programs are delivered through a comprehensive approach that includes:

- Theoretical lectures supported by PowerPoint presentations and visual materials (videos and short films).
- Scientific evaluation of participants before and after the program to measure progress and knowledge acquisition.
- Brainstorming sessions and practical role-playing to simulate real-life scenarios.
- Case studies tailored to align with the training content and participants work nature.
- Assessment tests conducted at the end of the program to evaluate the achievement of training objectives.

Each participant receives the training material (both theoretical and practical) in printed form and saved on a CD or flash drive. Detailed reports, including attendance records, final results, and overall program evaluations, are also provided.

Training materials are prepared professionally by a team of experts and specialists in various fields. At the end of the program, participants are awarded a professional attendance certificate, signed and accredited by the Scandinavian Academy for Training and Development.

Program Timings:

- 9:00 AM to 2:00 PM in Arab cities.
- 10:00 AM to 3:00 PM in European and Asian cities.

The program includes:

- A daily buffet provided during the sessions to ensure participants comfort.