



**BAHRAIN  
SOCIETY OF  
ENGINEERS**

**SEMINAR ON**  
**API 650 TANK**  
**DESIGN-INSPECTION-MAINTENANCE**

**12-16 April 2020**

**08:00am - 04:00PM**

**Manama**

**Kingdom of Bahrain**

**For registration and  
inquiries:**

**T: +973 17-727100 / 17-810 725 / 31 F: +973 17-827475**

**E: [training.officer@bse.bh](mailto:training.officer@bse.bh)**

## Introduction:

API 650 above ground atmospheric tanks are used to store, transport or dispose hydrocarbon liquids in oil and gas refineries and petrochemicals. The course will cover minimum requirements for design, material selection, installation, inspection and maintenance aspects according to the API 650 standard.

### Objectives & benefits:

- To gain an understanding of tank design, material and fabrication.
- To understand some repair/restriction methods for AST, based on API 650/653.
- Understand the principles, output and limitations of tank inspection methods and techniques.
- To be able to make a sound assessment of the integrity of a storage tank and foundations to offer guidance on the need for repair, its urgency and methods of effecting such repair.



### Seminar outline

Introduction to basic tank design and types

Defects in tank fabrication and services/tanks repair

Tank inspection/Non-destructive testing methods

Tank foundation/settlement /tank jacking

Floating roofs/Roof seals/Roof drains – design and maintenance

Tank venting as per API-2000 standard

Hydrostatic and pneumatic testing

Tank corrosion assessment

## Methodology

There will be several short lectures followed by case studies, videos, games practical assignments, group workshops and discussions.

## Who should attend ?

This course is for team leaders, engineers, designers and technicians interested in developing additional skills in tank design, selection, construction, inspection and maintenance aspects.

## Facilitator

## Mohamed Alaradi

An offsite and utilities Senior Project Engineer, holding a BSc in Mechanical Engineering from KFUPM at Saudi Arabia, with 27 years of experience in oil and gas specialized static equipment design, material selections, installation and maintenance such as storage tanks, pressure vessels, heat exchangers, heaters, pipelines ...etc.

Active member of Bahrain Society of Engineers (BSE) holding technical training courses for new engineers technicians in Basic Engineering Skills and Best Practices for design, selection and execution of successful engineering projects and Project Management System for professional engineers.

# API 650 Tank Design Inspection & Maintenance

## REGISTRATION FORM

Name: \_\_\_\_\_

Organization: \_\_\_\_\_ Department \_\_\_\_\_

Position: \_\_\_\_\_ Email: \_\_\_\_\_

Address: \_\_\_\_\_

Telephone: \_\_\_\_\_ Mobile: \_\_\_\_\_ Fax: \_\_\_\_\_

Seminar	Date & Venue	Timing	Registration Fee
API 650 Tank Design Inspection & Maintenance	12-16 April 2020 Manama, Bahrain	8:00am to 4:00 pm	BD 500

### Note:

- For Individual/ overseas, payment shall be received upon submission of the completed registration form.
- Registration shall be reconfirmed only once payment has been made prior to the course.
- No Show of participant/s during the course will be charged in full amount accordingly.
- Cancellation of participant/s shall be submitted in writing to BSE ten days (10 days) before the course.

### Method of payment:

- I will pay by Cash
- Invoice the Organization (Please attach the authorization)
- I enclose a Banker's Draft payable to Bahrain Society of Engineers-Training Centre
- Bank BIC: NBOBBHBM / IBAN: BH18 NBOB 0000 0099 0989 11 - National Bank of Bahrain-Manama Main Branch
- Please Debit to Amex:  Visa:  Master Card:

Card Number:  Expiry Date:

Card Holder's name and address (if different from above)  
\_\_\_\_\_  
\_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_



Tel: +973 17-810725 or 17-727100, Fax: +973 17-827475  
Email: training.officer@bse.bh  
P. O. Box 835, Manama, Bahrain