



**BAHRAIN  
SOCIETY OF  
ENGINEERS**

# **SEMINAR ON PLANNING SAFETY HEALTH ENVIRONMENT**

01-03 June 2020

08:00am - 04:00PM

Manama, Kingdom of Bahrain



For registration and inquiries:  
**T: +973 17-727100 / 17-810 725 / 31**  
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**E: [training.officer@bse.bh](mailto:training.officer@bse.bh)**

## Introduction:

With the expansion of the industry sector, especially the oil and gas fields, the need for safety care rises due to human safety, economical and legal/legitimate point of views. This course will highlight the above issues and their effect on the industry cycle.

## Objectives & benefits:

By the end of the course, the participants should be able to understand the followings:

- Companies/employer responsibilities.
- Employees/clients responsibilities
- Types of hazardous materials and how they enter the human body
- Categories of hazardous materials
- Understand safety and health aspects definitions and hazardous classifications.
- Understand the nature of incidents and incident investigations as well as lessons learnt and recommendations.



## Seminar outline

### Introduction to occupational safety and health Issues:

- Why we care for safety
- Responsibilities of companies and workers
- Types of hazardous subjects on health
- Chemical substances identification
- Basic roles for storing hazardous materials

### Safety VS Health:

- Colour coding for hazardous materials/equipment
- Cold work/hot work and work permits
- Hazards of electrical isolation, excavation works and confined space
- PEL/FP/ AIT/IDLH terms identification and familiarization
- Hazardous chemical classification
- MSDS format and best usage for substance /equipment/workers identification

### Environmental Management System:

- causes of environmental incidents

- lessons learnt and recommendations
- current environmental challenges
- Environmental Impacts issue
- Industrial waste effects on the environment
- Environmental legislation/laws and benefits
- Hazardous waste disposal and site responsibilities

### Definition and classification of accidents:

- history of some major accidents in the oil and gas industry
- key lessons learnt from major accidents
- Oil and gas fire and safety industry's philosophy
- Safety rules – safety committee
- Incident reporting and investigation
- KPI indicators identification and where and when you use them.
- OEMS system – what does it mean and where and when you use them.

## Methodology

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

## Who should attend ?

Process engineers, mechanical, civil, electrical engineers, operators, technicians and designers should attend. Such course identify and control the hazard risk in the oil and gas industry, refineries, petrochemical, water desalination and power plants.

## 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.

# Planning, Safety, Health Environment

## REGISTRATION FORM

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

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

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

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

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

Seminar	Date & Venue	Timing	Registration Fee
Planning, Safety, Health Environment to Protect Industrial Institutions	01-03 June 2020 Manama, Bahrain	8:00pm to 4:00 pm	BD 300

### 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)

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

