

# Excellence in Process Safety Management

27–28 March 2019, Bahrain

in association with



Promoting Safe Operations In Industry

25-26 MARCH 2019 - BAHRAIN

## TRAINING SEMINAR



### *How to apply the practical aspects of process safety to your project*

This course will take the participants through the stages of process safety and environmental management in a straight forward and practical manner. The course contains practical examples and hands on application of the techniques required to successfully strengthen the process safety management in your organisations. From 'why unexpected events can develop out of control', to 'how barriers can be implemented to halt or reduce the progress of the consequences'. The sessions will cover a range of existing techniques as well as the latest approaches to integrating safety into the "mind" of the corporate cultures.

### Benefits of Attending

- Understand what is process safety and what are the key elements
- Understand the concept of leading and lagging process safety indicators
- Know and understand international standards and best practices
- Be able to identify and analyse process hazards
- Be able to identify and minimise risks associated with abnormal operations including start-up and shut-down
- Be able to categorise and investigate process safety incidents by severity

### Who Should Attend

Course is applicable to those working with high hazard processes including reservoir and subsea systems, pipelines, offshore topsides, FPSOs, oil, gas, LNG and marine terminals, refineries, utilities, petrochemical plants, plastics, polyethylene and fertilizer facilities.

### About the Organiser

Euro Petroleum Consultants [EPC] is an independent consulting group formed in London in 1996. EPC organises high-level conferences and training courses for the oil, gas and petrochemicals sector. Our in-depth knowledge of the industry combined with extensive technical and commercial experience enables us to guarantee that our training events are delivered to the very highest standards. The key to our success lies in the calibre of our trainers and our attention to detail.

Event Organiser:



Euro Petroleum Consultants

TO REGISTER, CONTACT:

T: +971 (0)4 4214642 | E: [office@europetro-me.com](mailto:office@europetro-me.com) | W: [www.gulfsafetyforum.com](http://www.gulfsafetyforum.com)

## FORMAT & TIMINGS

The course is presented in a highly participative format. The trainer will start with some basic principles, requiring interaction and discussion with the delegates. Actual case studies, discussions and interactive analyses will ensure that the course content is both engaging and interesting.

Registration & coffee will start at 8:00am on Day One. The course will run for two days, starting daily at 8:30am. There will be two coffee breaks and a seated buffet lunch on each day.

## FEES & DISCOUNTS

### REGULAR RATE

**USD 2250\***

### DISCOUNTED JOINT RATE

**USD 3875**

Delegate rate Excellence in PSM Training Seminar + Gulf Safety Forum 2019

*\*a supplement of USD 200.00 will be added to this joint rate after 8 February 2019*

*\*our training fee is inclusive of training materials, completion certificate, lunch & refreshments*

## HOW TO REGISTER

### Visit our website:

[www.gulfsafetyforum.com](http://www.gulfsafetyforum.com)  
[www.europetro.com/training](http://www.europetro.com/training)

### Email us:

[office@europetro-me.com](mailto:office@europetro-me.com)

### Call us:

+971 (0)4 421 4642

## TERMS & CONDITIONS

All our training courses are subject to final confirmation. Full payment is required prior to the event.

Cancellations made on or before the cut-off date will be refunded in full less an admin fee of USD 250.

Cancellations made less than a month prior to the event cannot be refunded or credited. Substitutions are welcome at any time.

# Training Agenda

## Day 1

- Why do accidents happen?
- Technical Process Safety and Environmental Protection
- Defining Hazards and Hazard Awareness
- Risk Tolerability
- Process Hazard Analysis (PHA)
- Why PHAs?
- Lifecycle of Risk Assessments
- PHA models used in risk assessments
- Layer of Protection Analysis (LOPA), Safety Integrity Levels (SIL)
- Are Process Safety milestones and resources on the Project Schedule?

## Day 2

- Regulatory Compliance and "Permit to Operate"
- The importance of Maintenance in Process Safety
- PHA's in Management of Change
- Are accidents repeating themselves?
- Risk Assessment Organisations
- Organisational Safety Culture
- Quantitative Risk Assessments QRA's
- How to HAZOP operational procedures

## Meet Your Trainer: PAUL HILL

Paul Hill CEng, FIChemE is an Associate Consultant with Euro Petroleum Consultants. He is based in the UK but provides his expertise around the world to clients. He graduated from Surrey University with an honours degree in Chemical Engineering in 1982. He is a Chartered Engineer and a Fellow of the Institution of Chemical Engineers.



He has over 36 years of experience working in process, safety and environmental engineering, offshore and onshore operations, maintenance and project management, process safety engineering and a consultant. Paul has worked during his career for AMEC, Foster Wheeler, Fluor, Jacobs, KBR, CB&I, Shell International, Shell Exploration & Production, BP UK, BP Oman, British Gas, Exxon, TNK-BP, Chevron, Total, SABIC, Saudi Aramco, SIPCHEM, Wood Group and many other organisations.

Paul has applied this experience in the last 15 years in providing PHA's, including HAZID, HAZOP, LOPA, SIL, risk assessment modelling and application of computational fluid dynamics to solve engineering issues in the oil gas and petrochemical and other industries. He provides best in class facilitation with operational experience and is approved by the organisations listed above.