



Training Seminars & Conferences
www.euromatech.com



An Intensive 5-Day Training Course

CCPS Risk-Based Process Safety (RBPS)

The Next Generation PSM Framework



PROGRAMME SUMMARY

EuroMaTech's CCPS Risk-Based Process Safety training course will raise the awareness and understanding of employees to recognize the importance of process safety and how it influences day-to-day work activities. Using the CCPS RBPS approach will provide the foundation to achieving a proactive risk based process safety culture which is essential to operations and work ethics. Aimed at Operations, Maintenance and Technical Services engineers as well as their management, this training is expected to improve the competency of the engineers and managers in all process safety aspects that affect their daily work.

Virtual learning service available



Date	Venue	Fee(\$)
27 - 31 Mar 2022	Dubai	US\$ 4,950
07 - 11 Aug 2022	Dubai	US\$ 4,950
11 - 15 Dec 2022	Dubai	US\$ 4,950

INTRODUCTION

Formal Process Safety Management (PSM) systems are now mandated in most parts of the world as a way of achieving process safety and improving practices. PSM systems have therefore been implemented in most companies for many years. However, incident investigations continue to identify inadequate management system performance as a key contributor to the incident and audits reveal a history of repeat findings indicating chronic problems whose symptoms are fixed again and again without effectively addressing the technical and cultural root causes.

The Center for Chemical Process Safety (CCPS) created the next generation process safety management framework RBPS, recognizing that all hazards and risks in an operation or facility are not equal, consequently apportioning resources in a manner that focuses effort on greater hazards and higher risks as appropriate. This risk-based approach reduces the potential for assigning an undue amount of resources to managing lower-risk activities, thereby freeing up resources for tasks that address higher-risk activities.

Participants attending EuroMaTech's CCPS Risk-Based Process Safety training course will develop the following competencies:

- Understand hazards and risks
- Commit to process safety and the way of working
- Learn to assess and manage risk in design, operation and maintenance
- Willingness and ability to learn from their own and others' experiences

TRAINING METHODOLOGY

The CCPS Risk-Based Process Safety training course will combine presentations with interactive practical exercises, supported by pre and post-test activities plus videos. Delegates will be encouraged to participate actively in group discussions and analysis of real-life case studies.

WHO SHOULD ATTEND

- Operations, Maintenance, Technical Service Personnel and Management Team.

PROGRAMME OBJECTIVES

EuroMaTech's CCPS Risk-Based Process Safety training seminar aims to enable participants to achieve the following objectives:

- Develop / enhance the Risk Based Process Safety knowledge of employees
- Improve the overall organisational capability and performance through a competent workforce
- Improve overall process safety by considering organisational culture

In-house Training

EuroMaTech is capable of conducting this training programme exclusively for your delegates. Please e-mail us on inhouse@euromatech.ae for further information and/or to receive a comprehensive proposal.

QUALITY CERTIFICATIONS & ACCREDITATIONS



+971 50 196 6003

Email Address:
info@euromatech.ae

Website:
www.euromatech.com



COURSE OUTLINE



Day 1

Introduction to Safety; Understanding Hazards and Risk

- Introduction
- Good safety is good business
- What is Process Safety?
- Accident Pyramid and Swiss Cheese Model
- Major Incidents as Learning Events
- Why we fail to learn
- Understanding hazard and risk
- Risk matrix and ALARP
- Risk tolerability
- Workshop Session
- Case studies

Day 2

Risk Analysis Techniques

- Consequences
- Risk Assessments and Hazard Studies
 - » Bow-Tie model
- Hazards & Risk Registers
- P&ID's
- Hazard identification and risk analysis (HIRA) techniques
 - » HAZOP
 - » LOPA
- Design safety
- Inherent Safety, Ergonomics & Human Error
- Workshop Session
- Case studies

Day 3

Operational Considerations

- Asset integrity
- Causes of overpressure
- Overpressure protection philosophy
- Operational characteristics
- Causes of improper performance
- Preventative Maintenance
- Hazop and Risk-Based Safety Management
- Emergency Response
- CCPS risk based process safety.
 - » 4 pillars
 - » 20 elements
- Workshop Session
- Case studies

Day 4

Culture

- Metrics & Process Safety Performance
- Management of Change
- Management systems
- Risk-based inspection and testing
- Records
- Human factors
- Leadership and Safety Culture
- National and Regulatory Culture
- Corporate Culture and Black Swans
- DuPont and ICI

Day 5

Learning from Events

- Learning from accidents
- Behavioural safety
- ISC 6 pillars
- Energy Institute PSM framework
- OECD Corporate Governance for Process Safety
- Process Safety Leadership Checklist (CIA)
- Workshop Session
- Case studies
- Review
- Applying the Learning – Group Vision and Action Plan

CCPS Risk-Based Process Safety (RBPS)

The Next Generation PSM Framework

✓	Date	Venue	Fee(\$)
	27 - 31 Mar 2022	Dubai	US\$ 4,950
	07 - 11 Aug 2022	Dubai	US\$ 4,950
	11 - 15 Dec 2022	Dubai	US\$ 4,950

This fee is inclusive of instruction materials, documentation, lunch, coffee/tea breaks & snack. All Fees are subject to 5% Value Added Tax (VAT).*

Your Details

Name (Mr/Ms):.....
 Position:..... Organisation:.....
 Address:.....
 City / Country:
 Telephone: Email:

Mode Of Payment

Please find enclosed a cheque made payable to EuroMaTech
 Please invoice me
 Please invoice my company as follows:
 Contact Name:
 Company Name:
 Address:.....
 Email:

Documentation

High Quality material has been prepared by the Seminar Leader for distribution to delegates.

Certificates

A Certificate of Completion will be issued to those who attend & successfully complete the programme.

Schedule

Our Course timings commences at 08:30 and concludes at 14:00, followed by lunch on a daily basis.

Hotel Accommodation

EuroMaTech has negotiated special rates for a limited number of rooms in the hotel. Early registration will help to secure a room at the reduced rate.

Registration & Payment

Please complete the registration form on this page & return it to us indicating your preferred mode of payment. For Further Information, email us at info@euromatech.ae.

Cancellation Policy

Request for seminar cancellation must be made in writing & received at EuroMaTech three weeks prior to the seminar date. A U.S.\$250/- processing fee will be charged per delegate for each cancellation. Thereafter, we regret that we are unable to refund any fees due, although in such cases we would be happy to welcome a colleague who would substitute for you.

Disclaimer

EuroMaTech reserves the right to alter the content, location of the Seminar, or the identity of the speakers in case of events beyond our control.

Contact Us:

Middle East Office:

P.O. Box 74693
 Dubai, United Arab Emirates
 Telephone: +971 4 4571 800
 Fax: +971 4 4571 801

Email Address:

info@euromatech.ae

Website:

www.euromatech.com

*VAT Announcement: The Government of UAE have introduced Value Added Tax (VAT) on goods and services from 01-January-2018. In compliance with the legislation issued by the UAE Government, we will be applying a 5% VAT on the fees for all our programs and services offered from January 2018 as applicable and stipulated in the FTA circulars.