



Training Seminars & Conferences

An Intensive 5-Day Training Seminar On

# SIMOPS:


## Simultaneous Operations System for the Oil & Gas Industry

13 - 17 Oct 2019, Dubai

31 May - 04 Jun 2020, Dubai

11 - 15 Oct 2020, Dubai



 View Details

[www.euromatech.com](http://www.euromatech.com)

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and ISO 29990:2010  
Certified Company

01-AUG-19

# SIMOPS:

## Simultaneous Operations System for the Oil & Gas Industry

### INTRODUCTION

In simultaneous operations (SIMOPS), independent operation may impact the safety of personnel, equipment, and environment of another operation. SIMOPS requirements include hazard identification and risk mitigation and/or safety impact when planning SIMOPS work activities to be taking place simultaneously in the same location. These operations can be offshore, i.e. subsea oil and gas production, or onshore, i.e. oil and gas marine terminals during expansion or major maintenance work within a "live" process area of existing facility. SIMOPS also refer to steps taken during the construction, commissioning, start-up and operation of any onshore Oil & Gas Processing Plant.

This EuroMaTech training course will focus on the strengths of creating and implementing SIMOPS plans and activities for organization regarding onshore and offshore projects. Consequences of not including them, such as costly delays or serious harm or injury to onshore/ off shore oil and gas installations and personnel, will also be explained. The training course will include several workshops with solving real problems from everyday practice.

**Participants on the SIMOPS training course will develop the following competencies:**

- Full confidence in dealing with various aspects of SIMOPS
- Effective communication necessary for making SIMOPS efficient and working smoothly
- Development of risk mitigation measures in case of simultaneous hazardous activities
- Help your technical team find good solutions in complex operational situations
- Organization of effective working teams with clear roles and responsibilities

### WHO SHOULD ATTEND?

**The SIMOPS training course is suitable for a wide range of professionals, including, but not limited to:**

- Plant Engineers and Project Engineers
- Operations Team Leaders
- Reliability and Integrity Supervisors and Engineers including safeguarding of process
- Technical personnel responsible for monitoring and assessing equipment maintenance and operations
- Supervisors responsible for maintenance and shutdown planning and implementation

### PROGRAMME OBJECTIVES

**This EuroMaTech SIMOPS training course aims to enable participants to achieve the following objectives:**

- Techniques to handle effectively the simultaneous operations (SIMOPS)
- Skill to organize and plan all relevant activities
- Ability to analyze both onshore and offshore operations
- Knowledge of the hazards and risks involved in SIMOPS
- Flexibility to adapt to new situations
- Understanding of the process guidelines to be followed
- Recognizing the roles and responsibilities of all parties involved

### TRAINING METHODOLOGY

The Simultaneous Operations System training course will be conducted along workshop principles with formal lectures and interactive worked examples. The emphasis in the training course will be on the explanation of all technical points and providing answers to problems that are encountered in everyday industrial practice regarding the risk assessment of simultaneous operations and related activities in oil & gas industry.

Each learning point will be reinforced with practical examples. There will be ample opportunities for active discussion and sharing professional experiences and exchange that will help solidify the gained knowledge. All training course materials will be provided.

### PROGRAMME SUMMARY

The EuroMaTech training course aims to provide useful knowledge in applying the risk assessment techniques to various aspects of simultaneous operations (SIMOPS). The training course will also provide the knowledge on how to organize technical teams that function efficiently so that good solutions can be found in urgent situations. This EuroMaTech SIMOPS training course will provide best practices on how the efficient technical teams function, and what are the roles and responsibilities of the team members in doing SIMOPS activities.

# PROGRAM OUTLINE

## DAY 01

### Principles and Organization of SIMOPS

- Where and When we need SIMOPS?
- Work Identification Plans & Communication to avoid Accidents
- Meeting Organization, Flow of Information and Field Schedule (Gantt Chart etc.)
- Documentation on Interface Control and Tracking & Monitoring
- Management of Change (MOC) during Commissioning & Start-Up
- SIMOPS & HSE: Leaks, Fires & Explosion Protection
- Workshop: Case Studies & Worked Examples

## DAY 02

### SIMOPS Risk Management and Control Work

- Hazard Identification & Risk Calculation: Quantitative Approach
- Agreement on Risk Assessment Methodology (Risk Matrix)
- Risk Management Process: Risk Mitigation Measures
- Establishing ALARP for Particular Operations & Maintenance Procedures
- High Risk & Focus Areas: Enclosed Space & Hot Work
- Permit to Work (PTW) Management System & Procedures
- Workshop: Case Studies & Worked Examples

## DAY 03

### SIMOPS Roles, Responsibilities & Competence

- Matrix of Responsible Personnel (RASCI) involved in SIMOPS
- Site Project Manager
- HSE Manager: Emergency Response Procedure (ERP)
- SIMOPS Operations Leader (SOL)
- Installation, Commissioning and Startup Manager
- Task Supervisor
- Workshop: Case Studies & Worked Examples

## DAY 04

### SIMOPS in On-Shore Oil & Gas Industry

- SIMOPS On-Shore Elements & Operations Related to Safety
- Onshore Process Plants and Storage Terminals: Challenges
- Oil Pumping Stations and Gas Compressor Stations: Safety Issues
- SIMOPS in Construction, Commissioning & Start Up of Plants & Pipelines
- Oil & Gas Transfer: Filling and Emptying Tanks
- Leaks, Fires & Explosion Protection
- Workshop: Case Studies & Worked Examples

## DAY 05

### SIMOPS in Off-Shore Oil & Gas Industry

- SIMOPS Related to Port Operations & Marine Oil & Gas Terminals
- Platform Operations: Fixed & Floating Units
- FPSO & TLP Operations: Topside Facilities: Gas Train & Oil Train Safety
- SIMOPS Related to Ship DP Operations
- Subsea Operations & Piping Systems Hazards
- Marine Pollution Accidents & Environmental Protections Aspects
- Workshop: Case Studies & Worked Examples

## IN-HOUSE TRAINING

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

## QUALITY CERTIFICATIONS & ACCREDITATIONS

EuroMaTech is proud to be associated with the following accreditation bodies:



The PMI® Registered Education Provider logo is a registered mark of the Project Management Institute, Inc.

# SIMOPS:

## Simultaneous Operations System for the Oil & Gas Industry

✓	Date	Venue	Fee(\$)
	13 - 17 Oct 2019	Dubai	US\$4,950
	31 May - 04 Jun 2020	Dubai	US\$4,950
	11 - 15 Oct 2020	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 / Fax: .....

### 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:.....

#### Documentation

High Quality material has been prepared by the Seminar Leader for distribution to delegates. In addition, a special note pad to facilitate note taking will be provided.

#### 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, Contact Your Nearest EuroMaTech Office.

#### 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.

**\*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.

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