TECHNICAL
EDUCATION
ACADEMY

## Operational Risk Management Center

**COURSE PROGRAMME**

000609

# HSSE069 - Emissions Management

This course, "Emissions Management," is a training program on emissions control and management in the industrial and oil and gas sectors.



Learn from the Best in the Business!

# Course overview

**Intermediate level**

## Why take this course

This course, "Emissions Management," is a training program on emissions control and management in the industrial and oil and gas sectors. Throughout the course, various aspects of emissions management are explored, including the historical context and significant emission sources, emission monitoring and calculation methods, reporting procedures, and emissions forecasting. The goal of this course is to educate participants on effective emissions control and reduction, taking into consideration compliance with regulations and minimizing the environmental impact of industrial operations.

## Who it is for and how it helps

This course is designed for professionals and individuals working in industries and sectors where emissions management and control are essential, such as the industrial, oil and gas, environmental, and regulatory fields. It is also valuable for anyone seeking to gain knowledge and expertise in effectively managing and reducing emissions to comply with regulations and environmental standards.

## What you will learn

- The fundamentals of emissions management, including its historical context and key sources of emissions
- Various emission monitoring techniques, such as continuous monitoring technologies and surveys using drones and stack emission monitoring
- Different calculation methodologies for assessing emissions and validation techniques
- Procedures for emissions reporting, including compliance reporting and performance management reporting
- Methods for emissions forecasting, both in the short term and over the life of a field
- An overview of emission reduction strategies and approaches

# Curriculum

Modules 01–05

## 01 Key emission sources

- Introduction and History
- Flare and vent systems
- Fuel gas and diesel
- Leaks and Seeps management
- Fugitives (surveys using infrared cameras)
- LOPCs
- Risk based approach
- Team exercise

## 02 Emission monitoring

- Continuous monitoring technologies
- Surveys (drone survey, stack emission monitoring, etc.)
- Risk based approach
- Team exercise

## 03 Emission calculation / Measurement

- Different calculation methodologies
- Calculation validation methodologies
- Exercise

## 04 Emission reporting

- Compliance reporting
- Performance management reporting
- Exercise

## 05 Emission forecast

- Short term forecast
- Life-of-field forecast

# Curriculum

Modules 06

## 06 Emission reduction

- Brief overview

## Joining the programme

Contact the Academy and quote course code 000609 to confirm dates, delivery format, prices and enrolment terms.

## Training for your team

Tell us your business goals, the roles and number of participants, and your preferred dates and location. This will help us discuss the right training option.

## Preparing for the programme

The published programme does not specify any prerequisites. Contact us before enrolling to confirm how to prepare.

## Discuss your training needs

mail@tecedu.org
www.tecedu.academy

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