

ENERGY EFFICIENCY & EMISSIONS REDUCTION IN REFINERIES

Start Date:	10/11/2025	End Date:	14/11/2025
Categories:	Engineering & Maintenance	Venues:	London
Formats:	In Person	Instructors:	

OVERVIEW

This course addresses best practices and innovative technologies to enhance energy efficiency and reduce emissions in refinery operations. It focuses on process optimization, waste heat recovery, emissions monitoring, and compliance with environmental regulations.

OBJECTIVES

- Understand energy consumption patterns in refinery processes.
- Identify opportunities for energy savings and waste heat recovery.
- Apply emission reduction strategies and technologies.
- Monitor and manage greenhouse gas emissions.
- Ensure compliance with international environmental standards.

COURSE OUTLINE

- Energy Usage in Refineries
- Process Integration and Optimization
- Waste Heat Recovery Systems
- Emission Sources and Measurement Techniques
- CO2 and GHG Reduction Strategies
- Environmental Regulations and Compliance
- Case Studies and Benchmarking

TARGET AUDIENCE

Refinery engineers, environmental officers, operations managers, HSE professionals, and sustainability leaders.

METHODOLOGY

Interactive lectures, real-life case studies, practical exercises, and group discussions.

CONCLUSION

Participants will leave equipped to drive energy efficiency initiatives and emission reduction programs in their refinery operations.

DAILY AGENDA

Day 1: Energy Usage & Efficiency Overview

Introduction to refinery energy flows and key metrics.

Day 2: Optimization & Waste Heat Recovery

Techniques for reducing energy waste and recovering heat.

Day 3: Emissions & Monitoring

Emission sources, monitoring tools, and reduction plans.

Day 4: Compliance & Strategy

Environmental regulations and strategy integration.

Day 5: Sustainability Case Studies

Industry examples and building action plans.

For more information, please contact us:

Email: info@gatewayconsulting.com | Phone: +96522968641

<https://gatewayconsulting.com>