

Advanced Training for Crude Oil Tanker Cargo Operations

Barcelona (Spain)

10 - 14 November 2025

UK Training

PARTNER



Advanced Training for Crude Oil Tanker Cargo Operations

Code: OG28 From: 10 - 14 November 2025 City: Barcelona (Spain) Fees: 5100 Pound

Introduction

Crude oil tanker operations are among the most complex and sensitive processes in the oil and gas industry. This training course aims to equip participants with the knowledge and skills needed to manage and execute these operations efficiently and safely. The course will cover a variety of topics, including the technical, legal, and environmental aspects of crude oil shipping operations.

The Blackbird training course offers a comprehensive overview of the crude oil tanker voyage cycle. It focuses on the preparation of the cargo system and all subsequent routine cargo and system operations within the shipping cycle. The topics covered will ensure the safety and commercial interests of the shipowner, as well as environmental protection.

Course Objectives of Advanced Training for Crude Oil Tanker Cargo Operations

- Identify the properties and hazards of a range of crude oils.
- Assess the development of the industry, its threats and opportunities.
- Determine safe and efficient management of crude oil tankers
- Identify techniques to protect the commercial interests of a tanker owner.
- Apply incident analysis techniques to casualty reports.

Advanced Training for Crude Oil Tanker Cargo Operations Course Outlines

Day 1

Development, Design and Hazards of a Crude Oil Tanker

- Development of Crude Oil Industry.
- Properties and Hazards of Crude Oil.
- Flammability and Volatility.
- Design for Safety of a Crude Oil Tanker.
- Hazards of Fuel Oil.
- Sources of Ignition.

Day 2

Best Practice to Protect Owners' Commercial Interests

- Static Electricity de-bottoming Current Electricity.
- Cargo Calculations.
- Ship / Shore Liaison.
- Commercial Interests.
- Gas Evolution and Venting.
- Marine Vapour Emission Control.



Day 3

Atmosphere Control and Environmental Protection

- Inert Gas Systems.
- Cargo Pumps and Piping Systems.
- Inert Gas Operations and Emergency Procedures.
- Crude Oil Washing.
- Pollution Controls and Prevention.

Day 4

Safe Working Practices and Permits

- Dangerous Space Entry Procedures.
- Medical Aspects of Tanker Safety.
- Gas Detecting Instrumentation.
- Cold and Hot Work Permits.
- Double Hull Tankers and Combination Carriers.

Day 5

Safety Management and Incident Analysis

- The Cargo Cycle, Dry Dock to Dry Dock.
- Risk and Safety Management - Case Studies.
- Fire - Fighting on Crude Oil Tankers.
- Case Studies - Fire and Explosion.
- Incident Analysis, Recommendations and Guidance.



Blackbird Training Cities

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Special Workshops
Oil & Gas Engineering
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