

Advanced Training for Crude Oil Tanker Cargo Operations

Oil & Gas Engineering
Geneva (Switzerland)
10 - 14 Mar 2025

UK Training

PARTNER



Advanced Training for Crude Oil Tanker Cargo Operations

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Introduction

Whilst energy companies assess the financial plausibility of alternative and renewable power supplies, traditional energy sources will still be required for the foreseeable future. Do not be distracted by social and political fashions but be certain that your knowledge of well-established and sustainable energy sources is current and complete.

The political machinations of traditional oil producing countries, has failed to prevent a recent revival in crude oil prices, resulting the confidence returning to the crude oil industry. As storage facilities release crude oil back onto the market there will be a surge of tanker business and freight rates will inevitably rise as a consequence. Do not be left behind as the oil industry returns to prosperity.

This Blackbird Training course delivers a comprehensive coverage of the voyage cycle of a crude oil tanker. It focuses on the preparation of the cargo system and all subsequent routine cargo and cargo system operations within a cargo cycle. Topics covered will protect the safety and commercial interests of the ship owner, as well as the protection of the environment.

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

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