

## MAIN-ENGINE MANOEUVRING & CONTROL COURSE (MARINE / MARITIME)

*"Master the Skills to Safely Operate and Maneuver Marine Engines"*

### Schedule

Date	Venue	Fees (Face-to-Face)
03 - 04 Sep 2026	Dubai, UAE	USD 1995 per delegate

► **Available delivery methods:** Face-to-Face & Online Training

### Introduction

The Main-Engine Manoeuvring & Control Course (Marine / Maritime) is designed to provide marine engineers and operators with essential knowledge and skills to effectively operate and control ship main engines. This course focuses on the principles of engine maneuvering and the safe, efficient operation of the ship's propulsion system. The course is highly practical, allowing participants to understand the critical elements involved in main-engine control and maneuvering, especially in complex marine environments. Participants will learn about the fundamentals of engine operation, troubleshooting, and the necessary procedures to safely navigate and operate the vessel's main propulsion system. By the end of this course, participants will be well-equipped to manage the main-engine operation during various maritime scenarios.

### Objectives

By the end of this course, participants will be able to:

- Understand the principles of main-engine maneuvering and control systems.
- Operate and control the main engine during different maritime conditions and maneuvers.
- Troubleshoot and resolve common main-engine problems during operation.
- Safely handle engine operations during docking, undocking, and emergency situations.
- Maintain engine performance and optimize fuel efficiency during maneuvers.

## Why Attend

- Learn critical skills for operating and controlling marine engines in various maritime environments.
- Gain hands-on experience in maneuvering and troubleshooting main-engine systems.
- Enhance your maritime safety knowledge and ability to handle complex engine operations.
- Improve your decision-making skills during emergency situations and vessel maneuvering.
- Stay competitive by mastering the latest techniques in marine engine control and management.

## Target Audience

This program is designed for:

- Marine engineers and operators.
- Deck officers and crew responsible for engine operations.
- Ship navigators and marine professionals involved in vessel operation and safety.
- Anyone seeking to expand their knowledge of marine engine systems and operations.

## Individual Benefits

Key competencies that will be developed include:

- Mastery in the operation and control of ship main engines.
- Ability to handle engine operations in high-pressure and emergency scenarios.
- Enhanced troubleshooting and problem-solving skills for engine-related issues.
- Understanding of safe and efficient engine management for fuel optimization.
- Knowledge of advanced control systems and maneuvering techniques in maritime operations.

## Organizational Benefits

Upon completing the training course, participants will demonstrate:

- Increased operational efficiency and safety when managing main-engine systems.
- Enhanced problem-solving and troubleshooting abilities for main-engine issues.
- Greater ability to execute safe and efficient vessel maneuvers in all conditions.
- Reduced operational risks and improved maintenance practices for main engines.
- Improved compliance with maritime regulations and industry standards.

## Instructional Methodology

The course follows a blended learning approach combining theory with practice:

- Strategy Briefings - Introduction to main-engine principles, systems, and maneuvering techniques.
- Case Studies - Real-world examples of engine failures and operational challenges.
- Workshops - Practical exercises to simulate various engine control and maneuvering scenarios.
- Peer Exchange - Group discussions on best practices and challenges in engine operations.
- Tools - Techniques and checklists for engine troubleshooting and operational procedures.

## Course Outline

Detailed 2-Day Course Outline

**Training Hours:** 7:30 AM – 3:30 PM **Daily Format:** 3–4 Learning Modules | Coffee breaks: 09:30 & 11:15 | Lunch Buffet: 01:00 – 02:00

### Day 1: Introduction to Main-Engine Operation and Maneuvering

- Module 1: Overview of Main-Engine Systems and Control (07:30 – 09:30)
  - Introduction to marine engine systems and their components.
  - Principles of main-engine maneuvering and operational control.
  - Key safety considerations during engine operation.
- Module 2: Engine Manoeuvring Techniques (09:30 – 11:30)
  - Techniques for docking, undocking, and changing course using main engines.
  - Understanding the power and limitations of the main propulsion system.
  - Safe procedures for operating the engine during emergency situations.

### Day 2: Advanced Engine Control and Troubleshooting

- Module 3: Troubleshooting Main-Engine Issues (07:30 – 09:30)
  - Common engine malfunctions and their causes.
  - Diagnostic techniques for identifying and fixing engine problems.
  - Procedures for handling critical failures during engine operations.
- Module 4: Optimizing Engine Performance and Fuel Efficiency (09:30 – 11:30)
  - Techniques for optimizing fuel consumption during operations.
  - Maintaining engine efficiency through monitoring and adjustments.
  - Best practices for long-term engine management and performance.

## Certification

Participants will receive a Certificate of Completion in Main-Engine Manoeuvring & Control, recognizing their ability to operate and manage marine engine systems safely and efficiently during various maritime scenarios.

## Why Choose MAWA Events

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### In-House / Customized Training

Interested in running this course for your team?

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