

**kilo**



# **Virtual Seafarer Academy**

Online Courses



kilo

# The Smart Way to Learn Maritime

Kilo design and develop engaging online learning content for the maritime industry and offer hosting services within our Virtual Seafarer Academy (VSA).

The VSA offers clients, teams and individuals with access to essential, carefully curated knowledge designed to transfer key maritime concepts effectively. Our courses focus on critical areas of maritime operations, including Bridge Operations, Engineering Standards, and Maritime Safety Management.

## Course Features

- Evidence-Based Solutions. Our content is aligned with professional needs and backed by research.
- Flexible Learning Options. Choose from fully curated or pre-packaged solutions to suit your learning preferences.
- Microlearning Content. Bite-sized lessons for efficient and effective learning.
- Engaging and Interactive Content. Interactive modules to keep learners engaged.
- Assessment. Tools to evaluate and track your progress.
- Structured Learning Paths. Clear pathways to guide your learning journey.
- Certificate Awards. Earn certificates to validate your knowledge and skills.

**“Our Virtual Seafarer Academy brings world-class, on-demand education to seafarers globally.”**

**Andy Parkin.**  
Managing Director



# Course Catalogue

## 01 Entry Level Bridge Operations

Are you considering a career in vessel navigation?

This course introduces you to bridge operations and the essential skills needed to be part of a bridge navigation team. Understanding bridge team roles, lookout and steering principles, navigational theory, and navigational systems, will ensure that this course provides the foundational knowledge necessary to de-mystify how an effective Bridge Team operates.

-

Duration: 60 Minutes  
Experience Level: Any

## 02 Bridge Operations

The Bridge Operations course is designed to help you understand everything you need to know about bridge operations and your role within it. Giving you the knowledge and the confidence to make the right calls at the right moments. Throughout this engaging course, you'll be analysing real-life situations and case studies pertinent to the operational need, designed to give you an understanding of the importance of bridge operations to vessel safety.

-

Duration: 60 Minutes  
Experience Level: Management, operational and support.

## 03 Bridge Resource Management

This course delves into the foundational principles of Bridge Resource Management, providing you with the essential knowledge and understanding to effectively apply these principles in bridge operations.

-

Duration: 60 Minutes  
Experience Level: Management, operational and support.

## 04 Pilotage

Embark on a voyage of precision and skill with our Pilotage module, where you are introduced to a world where pilots work with the bridge team to guide vessels through pilotage waters, ensuring safe navigation and seamless arrivals at port.

-

Duration: 60 Minutes

Experience Level: Management, operational and support.

## 05 Ship Handling

This course provides a comprehensive foundation in Ship Handling, equipping you with practical tools and knowledge to understand the basic science behind vessel behaviour. You will learn to determine the main considerations for safe and effective ship handling. The course covers the identification of possible weather and natural conditions that may affect a voyage, as well as additional factors influencing ship handling in confined waters. Real-life case studies will illustrate the application of these concepts, while knowledge checks throughout the course ensure your understanding of the material.

-

Duration: 60 Minutes

Experience Level: Management, operational and support.

## 06 Steering Principles

In this course you will learn about the fundamental principles of vessel steering, such as rudder control, helm commands, and the influence of environmental factors on manoeuvrability. Understanding these principles is pivotal for maritime professionals to adeptly control vessels, as you become an integral part of the vessel's Bridge Team.

-

Duration: 60 Minutes

Experience Level: Any

## 07 Proficiency in Security Awareness

This course is an essential training program designed for all seafarers employed or engaged in any capacity in maritime security. This course provides the fundamental knowledge required to enhance security awareness. It ensures that all crew members, particularly those without designated security duties, are equipped with the skills to recognise and respond to security threats, thereby contributing to the overall safety and security of the vessel. This course is in accordance with STCW A-VI/6 and IMO.

-

Duration: 60 Minutes

Experience Level: Any

## 08 Root Cause Analysis in Maritime Operations

A comprehensive course designed to equip you with the skills and methodologies necessary to systematically identify, analyse, and address the underlying causes of problems or incidents in various onboard domains.

-

Duration: Any

Experience Level: Bridge ops and engineering ops.

## 09 Engine Room Resource Management

This course provides an understanding of Engine Room Management (ERM) principles to enhance the safe operation of the engine department and ensure professional conduct within the engine control room. It aligns with STCW Convention and SIRE standards, offering real-life case studies for practical application. Participants will learn about ERM's importance, develop human resource and managerial skills, and understand the Human Factor Theory. The course emphasises planning, prioritisation, effective communication, and the significance of soft skills like leadership and teamwork. Additionally, it covers situational awareness, decision-making, and strategies to mitigate fatigue and stress.

-

Duration: 60 Minutes

Experience Level: Management, operational and support.

# Microlearning Courses

## 01 A Quick Guide to Root Cause Analysis

Root Cause Analysis is a short course designed to guide you with the fundamental tools and methodologies needed to systematically identify, analyse, and address the underlying causes of problems or incidents in various domains.

-

Duration: 5 Minutes

Experience: Bridge Ops, engineering Ops

## 02 How did ISM Come About?

Our microlearning course on the origins of International Safety Management (ISM). This short course will trace ISM roots from a tragic incident to its establishment as a global standard for ensuring safe and secure operations in the maritime industry.

-

Duration: 5 Minutes

Experience: Any

## 03 Have you Heard of OHM's Law?

Our microlearning course on what is Ohm's Law and why it is important for maritime engineers.

-

Duration: 5 Minutes

Experience: Any

## 04 The Principles of a Marine Evacuation System

In the maritime industry, the safety of passengers and crew is paramount, especially during emergencies. Marine Evacuation Systems are critical lifesaving devices designed to ensure rapid and safe evacuation from vessels.

This course is tailored for all crew members, particularly those with MES responsibilities, and aims to provide you with a fundamental understanding of MES.

-

Duration: 5 Minutes

Experience: Any

### Further Courses to Include...

- Leadership & Management
- Accredited VASCO Instructor Programme
- Interactive Navigational Voyage(s)