

# MARINE ENVIRONMENTAL AWARENESS COURSE 2019

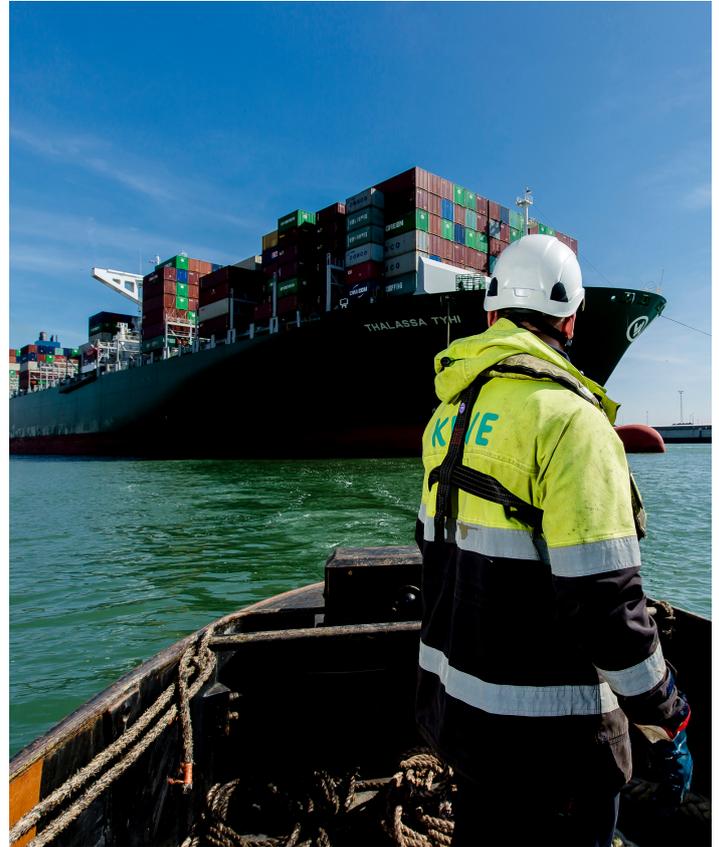


# THE MARINE ENVIRONMENTAL AWARENESS COURSE

... is a two-day course in which seafarers are interactively involved in the subject of sustainable shipping.

The course (MEAC) focuses on the human element and forms a concrete basis for knowledge and awareness needed for the prevention of pollution at sea. The participants become aware of how they can personally contribute to the sustainable development of the maritime industry. Course participation demonstrates commitment, strengthens the human factor and enables a proactive approach to risk management and sustainability at sea; which has proven to be an advantage in the maritime market and a selling point for clients.

The IMO, aware of the importance of the human element, adopted the obligation to include the content of the MEAC model course into the curriculum of naval academies worldwide, as prescribed in the STCW Code (Manilla Amendments 2011).



The MEAC is based on the

## IMO MODEL COURSE MC 1.38

developed by ProSea, the international standard for Marine Environmental Awareness training

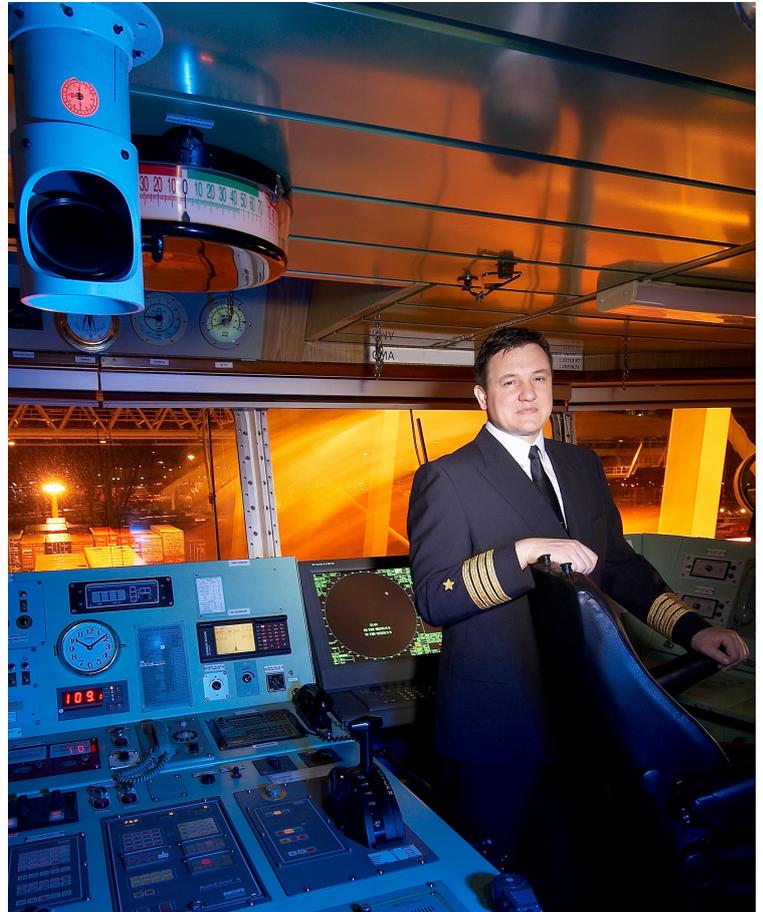
For questions and inquiries,  
contact us at

**INFO@PROSEA.INFO**

## TARGET AUDIENCE

Sea staff, shore staff of maritime businesses and teachers and students of naval academies who wish to:

- invest in environmental awareness training as part of the curriculum of the academy or for the implementation of an Environmental Management System (such as ISO 14001);
- work on their environmental performance by investing in the human element;
- examine how social, ecological and economic sustainability can be complementary;
- be up-to-date with developments regarding challenges for sustainable shipping, e.g. climate change, ballast water, biofouling.



## COURSE PROGRAM

### Day 1

#### Introduction

- Global context: sustainable development
- Triple P concept
- Course overview

#### Personal opinion - workshop

#### Marine ecology

- Importance of the ocean
- How the ocean works
- Special areas and PSSAs

#### Discharges to the ocean

- Impact of oil, chemicals, sewage and solid waste
- Pollution prevention measures

#### Reputation of shipping - workshop

### Day 2

#### Emissions to air, greenhouse gasses

- Climate change
- Climate action

#### Emissions to air, SO<sub>x</sub>, NO<sub>x</sub>, PM

- Environmental impact
- Pollution prevention measures

#### Solutions and responsibilities - workshop

#### Invasive species

- Impact of invasive species
- Pollution prevention measures

#### Underwater noise

#### Ship recycling

#### Personal involvement - workshop