

WEBINAR

18 June 2026 | 10:00 - 12:00 EEST



Ballast Water Management

10.00 - 10.40 **Environmental and other impacts of invasive alien species**

ERMATECH GROUP

10.40 - 11.30 **Untroubled BWTS operation. Points of attention and tips for smooth BWTS operation and vessel compliance with the BWMC**

ERMATECH GROUP

11.30 - 12.00 **Ballast water sampling**

POLARIS CONSULTING ENGINEERS

Addressed to crew officers (deck & engine) and office personnel of HELMEPA Member companies

Level of knowledge

Beginner to Intermediate

Participants will receive a HELMEPA Academy Certificate of Attendance

WEBINAR OUTLINE | LEARNING OBJECTIVES

Environmental and other impacts of invasive alien species

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

- Understand the ecological consequences of introducing invasive alien species through ballast water discharge, including disruption of native ecosystems and biodiversity loss.
- Identify key examples of invasive species introduced via ballast water and analyze their environmental, economic, and social impacts.

- Explore the mechanisms by which invasive species spread and establish themselves in new marine environments.
- Evaluate international regulations and management strategies, such as the IMO Ballast Water Management Convention, aimed at minimizing the risk of biological invasions.
- Recognize the importance of early detection, monitoring, and stakeholder collaboration in mitigating the impacts of invasive alien species on marine ecosystems.

Untroubled BWTS operation. Points of attention and tips for smooth BWTS operation and vessel compliance with the BWMC

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

- Interpret the meaning and implications of IMO Resolution MEPC.387(81) regarding ballast water operations in challenging conditions.
- Apply best practices for proper startup and shutdown procedures

of Ballast Water Treatment Systems (BWTS).

- Implement effective strategies to maintain the health and performance of BWTS over time.
- Identify common system failures and understand the importance of critical spare parts for operational continuity.
- Recognize the role of crew training in ensuring compliance with ballast water regulations and system functionality.

Ballast Water Sampling

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

- Acknowledge ballast water sampling objectives and challenges.
- Comprehend different ballast water sampling procedures and equipment.

- Recognize compact ballast water sampling equipment.
- Understand the sample analysis process.
- Acknowledge the necessary skills of a ballast water sampling professional.
- Become familiar with regulations on ballast water sampling.