





Capacity Building: The bedrock and strategic driver of Efficiency, Sustainability and Successful Business Models

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WHAT IS SUSTAINABILITY?

Sustainability is concerned with protecting the planet, halting climate change and promoting social development, without endangering life on Earth or leaving anyone behind. This concept seeks to cover our present needs without compromising resources for future generations.









Terminology for Environmental, Social, and Governance Sustainability

1 ENVIRONMENTAL

This encompasses the reduction of GHG emissions, Fuel Efficiency, the use of Renewable Energy sources, Waste Management and the protection of marine ecosystems.

3 GOVERNANCE

This refers to transparent and ethical corporate practices, accountability, and compliance with international regulations.

4 ESG INTEGRATION

By understanding these principles, professionals in the maritime sector can contribute to a more sustainable future for the industry.

2 SOCIAL

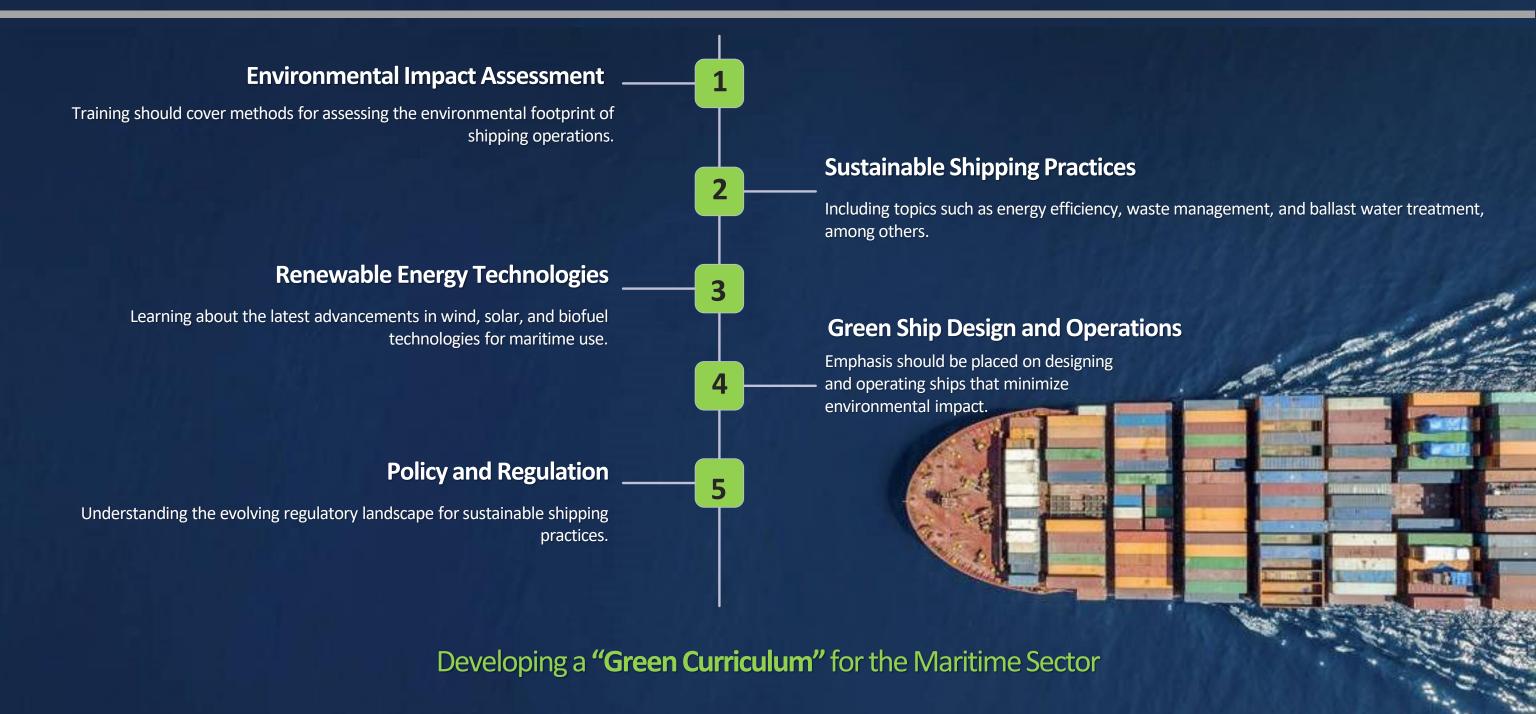
This focuses on fair labor practices, responsible supply chains, and the well-being of maritime workers.

















Cross-Skilling, Reskilling, Upskilling, and De-Skilling

Cross-Skilling

Enabling professionals to acquire skills in related fields, such as Renewable Energy or Environmental Management.

Reskilling

Providing Training to adapt to New Technologies and practices related to Sustainability.

Upskilling

Enhancing existing skills and knowledge in areas such as Energy Efficiency or Sustainable Shipping Practices.

De-Skilling

Addressing skills that are becoming obsolete due to the shift towards Sustainable Practices.



Developing a "Green Curriculum" for the Maritime Sector



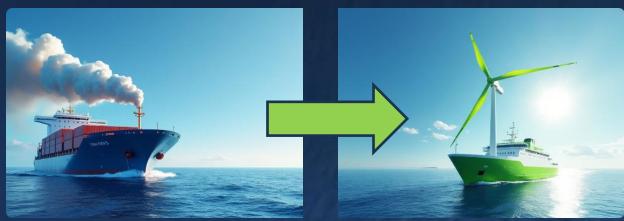






MDETI Project – Maritime Decarbonization Education and Training Initiative









Developing a "Green Curriculum" for the Maritime Sector









Working Group 14
Maritime Education & Training



INTERNATIONAL STANDARD ISO 24438

> First edition 2023-52

Ships and marine technology — Maritime education and training — Maritime career guidance

Navires et technologie maritime — Éducation et formation maritime — Recommandations pour l'arientation dans les métiers de la mer

- ✓ Emerging Technologies applied to Maritime, Ports & Logistics
- ✓ Training on Alternative Marine Fuels
- ✓ Energy Efficiency and Shipping Decarbonization
- ✓ Sustainability
- ✓ Promoting R&D + I

Training should align with International Standards

and Best Practices for Sustainable Shipping



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Reference number ISO 24438:2023(E)

@150 2023







BASIC TRAINING FOR MASTERS.

2019 EDITION

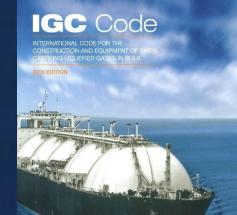
IMO Model Courses 7.13 and 7.14



ADVANCED TRAINING FOR MASTERS. SUBJECT TO THE IGF CODE

2019 EDITION









To ensure Safe, Efficient and Sustainable Shipboard Operations, through Awareness and Competence Building

✓ Facilitating the Energy Transition in the Maritime Industry

✓ Involving all Relevant Stakeholders – Strategic Alliances and Collaborations





















https://mtcclatinamerica.com/pilot-projects-2.html





European Union









Integrating Sustainability into Strategic Growth Targets

SUSTAINABILITY GOALS

Maritime, Port and Logistics Sectors should set clear and measurable Sustainability Goals

INVESTMENT STRATEGIES

Investing in Green Technologies and Sustainable Practices should be prioritized

INNOVATION AND RESEARCH

Encouraging R&D + I of New Sustainable Technologies is essential

COLLABORATION AND PARTNERSHIPS

Working with Stakeholders across the industry to drive collective progress towards Sustainability (NGOs, Research Centers, Environmental, Academia)

STAKEHOLDER ENGAGEMENT

Regularly engaging with Stakeholders to ensure Leadership, Transparency and Accountability















The Future of Maritime Education and Training

The industry must embrace a Holistic Approach to Sustainability to cope with present and future Challenges and Opportunities



CERTIFICATIONS

Providing Training leading to Industry-recognized Certifications in Sustainable Shipping Practices



INTERNATIONAL STANDARDS

Working with Regulatory Bodies, Policy Makers and Standardization Bodies



KNOWLEDGE SHARING

Promoting Sustainability through Professional Training, Collaboration, Experience & Knowledge Sharing



CONTINUOUS LEARNING

Encouraging ongoing Professional Development and upskilling in Sustainability-related areas













Embracing Sustainability and Technology to shape the future of the Maritime, Port and Logistics Sectors









The Maritime, Port and Logistics Sectors are undergoing a significant transformation, embracing **Sustainability** and driving the **Energy and Digital Transition** through MET









Thank You

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