

CHARTERED 
INSTITUTE OF PROFESSIONAL CERTIFICATIONS

FUELEU MARITIME LAWS AND EU ETS REGULATIONS



**Fully Accredited
By:**

Chartered Institute of
Professional Certifications

CPD
Certification Service



PROGRAM OVERVIEW

The FuelEU Maritime Laws and EU Emissions Trading System (EU ETS) Regulations present a multifaceted regulatory landscape, requiring maritime operators to comply with stringent environmental mandates while managing operational complexities. The FuelEU Maritime initiative mandates a phased transition toward low-carbon and alternative fuels, enforcing strict Greenhouse Gas (GHG) intensity reduction targets on shipping companies. **By 2025, vessels operating within EU waters must meet defined GHG intensity thresholds, with incremental reductions set for subsequent years to drive long-term sustainability.** Additionally, non-compliance may result in substantial penalties, increasing financial pressure on operators.

This certified program will provide you with a comprehensive and technical understanding of FuelEU Maritime Laws and EU ETS Regulations, covering the intricate logistical, financial, and technological aspects of compliance. You will gain in-depth knowledge of **low-carbon fuel adoption, lifecycle emissions calculations, and fuel blend compliance requirements, ensuring that your fleet meets evolving sustainability thresholds.** The course also delves into **advanced emissions-tracking systems, data verification protocols, and the integration of continuous emissions monitoring systems (CEMS) to streamline regulatory adherence.**

Beyond compliance theory, the program offers **practical strategies for cost optimization, including carbon offset planning, risk mitigation in carbon allowance trading, and fuel efficiency maximization through operational adjustments such as voyage**

ACCREDITATIONS



4.8



4.6





PROGRAM OVERVIEW

optimization and slow steaming techniques. It will also explore best practices for vessel retrofitting, addressing the technical considerations for incorporating battery-electric propulsion, hydrogen fuel cells, LNG, and biofuels into existing fleets.

Furthermore, participants will gain critical insights into **regional regulatory disparities across EU ports, ensuring a seamless adaptation to jurisdiction-specific compliance** mandates. You will also develop the skills necessary to align corporate sustainability goals with evolving Environmental, Social, and Governance (ESG) criteria, positioning your organization for long-term resilience in a decarbonizing maritime industry.

Upon successful completion of the program, you will be awarded the **Certification in FuelEU Maritime Laws and Regulatory Compliance.** This certification will enhance your professional qualifications and demonstrate your critical knowledge in navigating complex EU governance frameworks, implementing sustainable maritime practices, and managing compliance effectively. This industry-recognized certification is also a lifelong endorsement of your expertise and dedication to excellence and leadership in the field of maritime law, governance, and climate action.

ACCREDITATIONS



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KEY SKILLS YOU WILL GAIN

From This Program



**EU FUELEU COMPLIANCE
EU ETS COMPLIANCE
GHG EMISSIONS MONITORING
CARBON ALLOWANCE TRADING**

**LOW-CARBON FUEL ADOPTION
ALTERNATIVE FUEL INTEGRATION
EMISSION REDUCTION STRATEGIES
LIFECYCLE EMISSIONS ANALYSIS**

**CONTINUOUS EMISSIONS MONITORING
VOYAGE OPTIMIZATION TECHNIQUES
SLOW STEAMING IMPLEMENTATION
FUEL EFFICIENCY MANAGEMENT**

**CARBON COST OPTIMIZATION
REGULATORY RISK MITIGATION
EU PORT COMPLIANCE ADAPTATION
SUSTAINABLE SHIPPING INVESTMENTS
VESSEL RETROFITTING STRATEGIES**

**HYDROGEN FUEL UTILIZATION
LNG AND BIOFUEL COMPLIANCE**

YOUR FACULTY DIRECTOR



Marko Rahikainen

Globally Renowned Expert In Maritime Transport And Regulations

Marko Rahikainen is a **leading expert in maritime regulations, emissions compliance, and sustainable shipping**, with over **30 years of experience** in seafaring, maritime administration, and international policy. Beginning his career at sea in 1989, he earned his **Master Mariner's license in 1996** before transitioning to maritime administration in 2003. There, he played a pivotal role in **ship inspections, emissions monitoring, and regulatory enforcement**, contributing to the development of **THETIS and EMCIP** for compliance oversight.

As **Coordinator of International Affairs**, he represented his administration at **IMO and EU maritime safety committees**, shaping **FuelEU Maritime Laws, EU ETS compliance frameworks, and low-carbon fuel mandates**. He has also lectured at the **World Maritime University (WMU)** on **maritime safety and environmental regulations**.

Currently, as **Director of Regulatory Affairs at One Sea**, Marko promotes **emerging maritime technologies, decarbonization strategies, and emissions-tracking systems** while serving as an **IMSAS auditor and team leader** for global compliance assessments. With deep expertise in **emissions reduction, carbon trading, and alternative fuels**, he is a key figure in guiding maritime leaders through the **technical, financial, and operational complexities of EU environmental regulations**.

OUR PARTICIPANTS

Over 70% of FORTUNE 500 Companies Have Attended Our Accredited Programs Before





PROGRAM AGENDA

MODULE 1 - IDENTIFICATION OF EU INSTITUTIONS CONNECTED TO THE TOPIC

- EU Commission
- EU Council
- EU Parliament

MODULE 2 - STRUCTURE OF EU LAWS, REGULATIONS AND THEIR NATIONAL IMPLEMENTATION

- Status of EU Acts, Directives and Guidance
- EU Laws Relation to International Rulemaking
- National Implementation of EU Laws and Regulations

MODULE 3 - EU MARITIME LAW FRAMEWORK: STRUCTURE, STAKEHOLDERS, AND PUBLIC RESOURCES

- Structure of Maritime Law
- EU Public Databases
- Stakeholder Information
- Stakeholder Consultation Process
- Location of Relevant EU Laws and Regulations
 - EU Public Webpages
 - Structure of Websites
 - Registration to Information and Consultation Channels

MODULE 4 - THE FUELEU MARITIME DIRECTIVE - LEGISLATION

- The Development of the Legislation
- Implementing Legislation
- Upstream Emission Reductions

MODULE 5 - THE FUELEU MARITIME DIRECTIVE – IMPLEMENTATION

- Metallic Fuel Additives
- Vapour Pressure Derogations
- Fuel Quality Monitoring

MODULE 6 - THE FUELEU MARITIME DIRECTIVE – MONITORING AND REPORTING

- Data Collection
- Reporting
- Review

MODULE 7 - EU EMISSIONS TRADING SYSTEM (ETS)

- What is the EU ETS
- Development of EU ETS (2005-2020)
- Scope of the EU ETS



PROGRAM AGENDA

MODULE 8 - COMPLIANCE PATHWAYS FOR GREENHOUSE GAS (GHG) EMISSIONS REDUCTIONS (PART 1)

- Social Climate Fund
- Market Stability Reserve
- EU ETS Emissions Cap

MODULE 9 - COMPLIANCE PATHWAYS FOR GREENHOUSE GAS (GHG) EMISSIONS REDUCTION (PART 2)

- Auctioning of Allowances
- Use of International Credits
- Free Allocation

MODULE 10 - COMPLIANCE PATHWAYS FOR GREENHOUSE GAS (GHG) EMISSIONS REDUCTION (PART 3)

- Monitoring, Reporting and Verification of EU ETS Emissions
- Union Registry
- Ensuring the Integrity of the European Carbon Market
- Action Required by Stakeholders
- Stakeholder Reporting Obligations

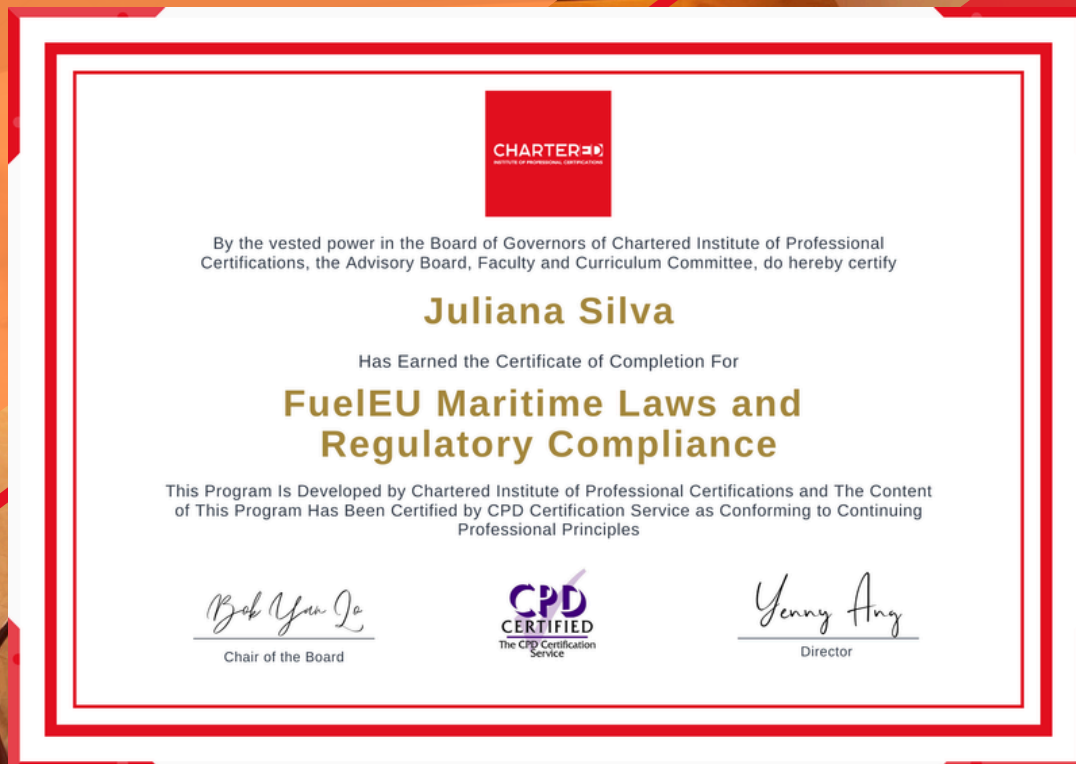
MODULE 11 - COMPLIANCE PATHWAYS FOR GREENHOUSE GAS (GHG) EMISSIONS REDUCTION (PART 4)

- International Carbon Market
- International Carbon Pricing and Markets Diplomacy
- ETS2: Buildings, Road Transport and Additional Sectors

MODULE 12 - FOLLOW UP AND EVALUATION OF TARGETS REACHED AND REVIEW

- National Monitoring and Reporting
- EU Emissions Reporting, and Monitoring Review
- Reporting and Review of EU Law

YOUR CHARTER DESIGNATION



Chartered Institute of Professional Certifications' programs are unique as they provide you with professional charter designations and marks that can be used across your lifetime once you have completed our programs.

Upon successfully attending this program, you will be awarded with the **Certification in FuelEU Maritime Laws and Regulatory Compliance** that can be used in your resume, CV and other professional credentials. This certification is industry-recognized with lifelong validity.

Globally recognized and highly regarded, this certification will elevate your professional credentials and validates your expertise in navigating the complex regulatory framework governing the maritime sector. It will demonstrate your ability to understand and implement the FuelEU Maritime Directive, EU Emissions Trading System (ETS), and other EU maritime policies while aligning your organization with sustainability and compliance goals. Developed by the **Chartered Institute of Professional Certifications**, this program has been independently accredited by the **CPD Certification Service**, ensuring it meets the highest standards of continuing professional development principles.

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CONTACT US TODAY

We Thank You for Your Ongoing Support
of Our Programs

Singapore and Asia Pacific Enquiries

Email: advisor@charteredcertifications.com
Phone: +65 6716 9980
Address: Chartered Institute of Professional Certifications
1 Gateway Drive
#20-04 Westgate Tower
Singapore 608531

Australia and New Zealand Enquiries

Email: advisor@charteredcertifications.com
Phone: +61 3 9909 7310
Address: Chartered Institute of Professional Certifications
530 Little Collins Street, Level 1
Melbourne VIC 3000, Australia

UK, Europe and Middle East Enquiries

Email: advisor@charteredcertifications.com
Phone: +44 (020) 335 57898
Address: Chartered Institute of Professional Certifications
86-90 Paul Street
London, EC2A 4NE

USA Enquiries

Email: advisor@charteredcertifications.com
Phone: +1 888 745 8875
Address: Chartered Institute of Professional Certifications
99 Wall Street #3936
New York, NY 10005