



PORT VIRTUAL LAB

GOING DIGITAL - MEDports Edition

Digital Transformation for Port Ecosystems and Trade
Operations

06–10 July 2026 - Online -

Designed for:



Learn, test, and translate improvements into your professional environment.

Going Digital – MEDPORTS Edition is an advanced professional programme connecting digital tools with real operational decision-making across port-centred trade and logistics flows. Participants will not only learn about digitalisation, but also operate, analyse and simulate end-to-end processes using immersive environments such as Port Virtual Lab and ERP platforms. Through case-based exercises, they will strengthen their ability to interpret data, improve coordination across maritime stakeholders, and translate digital concepts into practical operational improvements. The programme is designed for professionals seeking a clear, hands-on understanding of how digital transformation reshapes workflows, information governance, compliance, risk awareness and operational excellence within port ecosystems.

Preliminary version subject to potential revisions

GENERAL OBJECTIVES

- 1 Strengthen Digital Leadership in Port-Centred Operations**
Adopt and apply digital tools to improve decision-making and coordination across port and trade workflows.
- 2 Enable Interoperability and Data-Driven Collaboration**
Understand how digital standards, platforms and information flows support smoother stakeholder interaction and process visibility.
- 3 Improve Compliance-Ready Digital Documentation**
Apply digital documentation and regulatory-oriented tools (eFTI, e-docs) to reduce friction, increase traceability and improve auditability.
- 4 Use Simulation to Test and Improve Processes Safely**
Experiment with process redesign and operational choices in a controlled environment before applying them in real settings.
- 5 Understand Digital Risks and Operational Impact**
Identify information gaps, coordination failures and documentary risks affecting port-related operations and decision-making.



PARTICIPANTS PROFILE

Professionals involved in port-related trade and logistics operations, including public bodies, port communities, and organisations supporting operational coordination, compliance and digital innovation.

The programme is especially relevant for those working on process optimisation, digital documentation, data-sharing initiatives, digital coordination, operational risk management, or operational performance improvement.



EXPECTED RESULTS

Participants will leave with a practical understanding of how digitalisation affects maritime workflows, documentation, coordination between actors and port-related decision-making. Through hands-on exercises, they will identify friction points, information gaps and opportunities for improvement within port ecosystems.

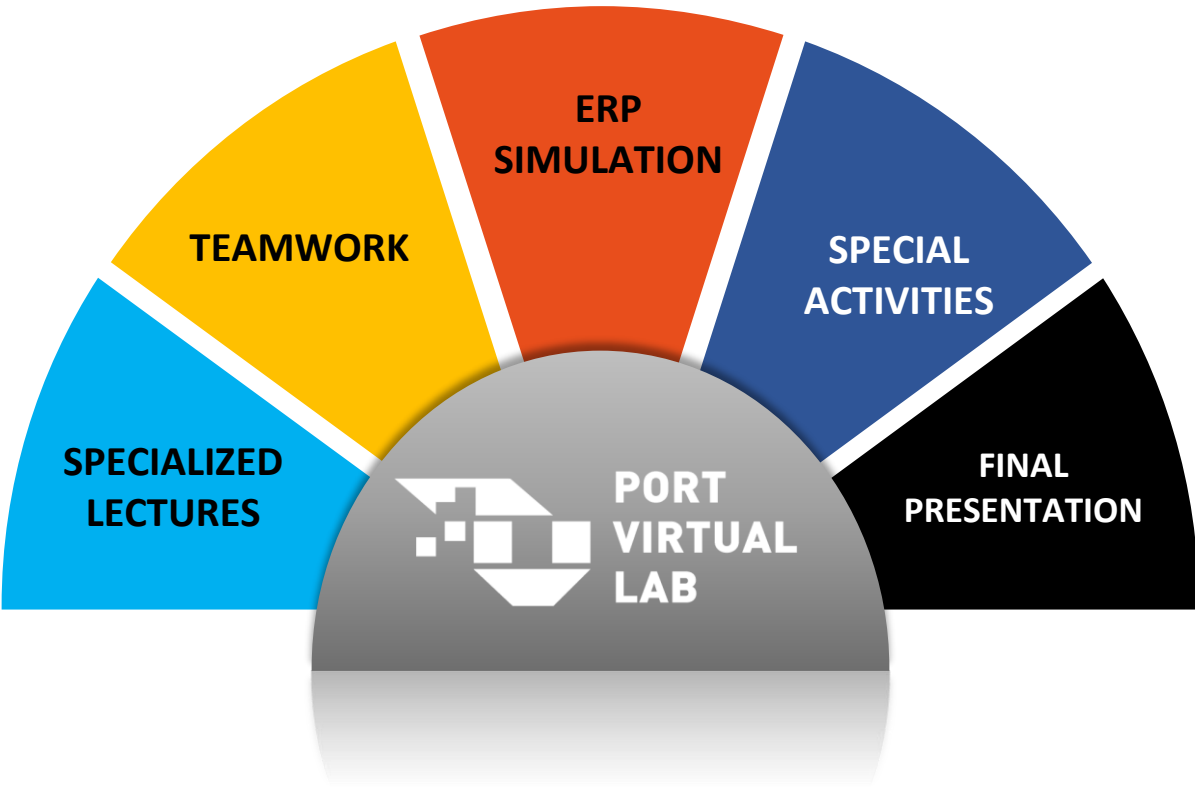
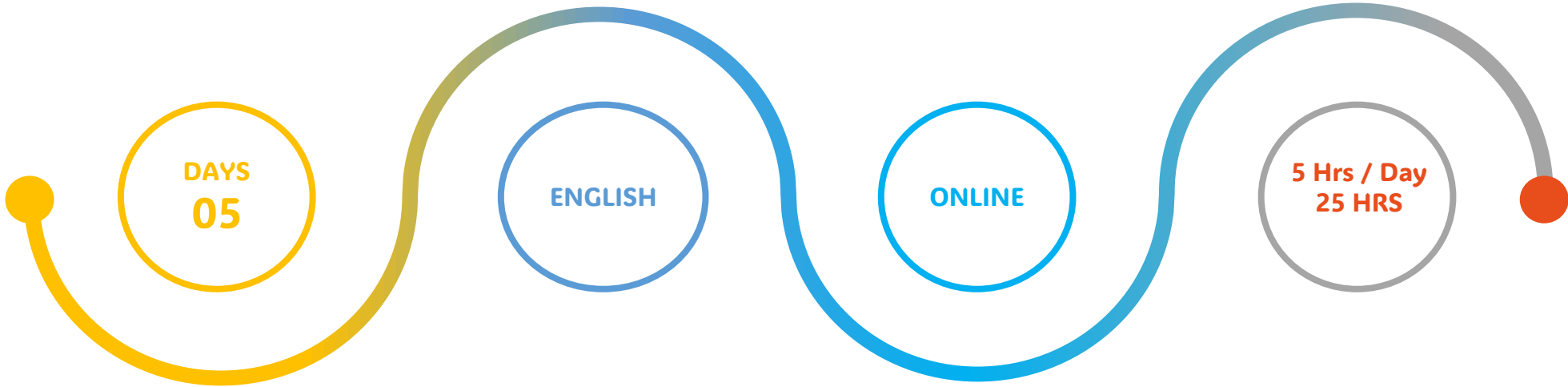
The outcomes are designed to be directly applicable in their day-to-day context, helping participants share a common operational language, align teams, and support better digital coordination within their professional environments.

SPECIFIC OBJECTIVES

- 1 **Simulation-based operational understanding** Replicate real port-centred operational challenges involving multiple stakeholders.
- 2 **Port ecosystem coordination** Understand how maritime actors interact, where information flows, and where port authorities need visibility and coordination.
- 3 **Digital documentation + risk awareness** apply compliance-ready digital documentation, traceability, dashboards and risk monitoring.

TRAINING STRUCTURE

LOCATION: ONLINE
PRICE PER PERSON: 550 €
SPECIAL DISCOUNT MEDports associates



CONTENTS

Digital Trade & Maritime Logistics Foundations

- Digitalisation of maritime trade operations and logistics workflows.
- Introduction to simulation-based training environments and ERP systems.
- The port authority perspective in digital trade flows.

Port-Centred Export & Import Operations Simulation (maritime flows)

- Simulation of maritime export and import operations in a digital environment.
- Application of digital documentation, Incoterms and compliance requirements.
- Identification of actors, responsibilities and port-related information flows.

Digital Risks and Operational Coordination

- Identification of documentary errors, coordination failures and information gaps.
- Analysis of operational consequences and risk awareness in maritime workflows.
- Use of digital tools to support visibility and decision-making.

Operational resilience and cyber/data risk awareness (intro level)

- Use of ERP dashboards to analyse operational performance and costs.
- Risk identification and decision-making using real-time operational data.

Other Technologies in Port Ecosystems + Final Applied Exercise

- Introduction to operational digitalisation beyond documentation: Just in Time, 5G, and coordination tools.
- Reflection on the relationship between the physical and documentary layers of port operations.
- Development and presentation of a light team-based digital improvement proposal.

LECTURERS



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- 06.07.2026** **Understanding Digitalisation in Port Ecosystems**
- 09:00 – 09:30 Introduction to Digitalization - Opening and Welcome
- 09:30 – 10:15 Digitalisation in Maritime Trade and Logistics (Challenges and Opportunities)
- 10:15 – 10:45 Break
- 10:45 – 11:45 EU Regulation: eFTI and the evolution of digital trade documents
- 11:45 – 12:15 The Role of Port Authorities in Digital Trade
- 12:15 – 12:45 Introduction to PVL.ONE (The Power of Immersive Learning)
- 12:45 – 14:00 Guided exercise: mapping a simple maritime process and identifying where the port appears
- 07.07.2026** **Digital Tools, Documentation and Port Governance**
- 09:00 – 10:00 eBOL / e-docs overview (what changes operationally)
- 10:00 – 11:00 Port Community Systems, PortIC and Interoperability
- 11:00 – 11:15 Break
- 11:15 – 12:00 Information Governance in Port Communities
- 12:00 – 13:30 ERP foundations (Click & Cargo)
- 13:30 – 14:00 Short guided reflection on port-relevant data and actor responsibilities
- 08.07.2026** **Maritime Export & Import Simulation**
- 09:00 – 10:30 Export operation in PVL.ONE – practical application
- 10:30 – 11:30 Key Electronic Documents in Maritime Operations
- 11:30 – 12:00 Break
- 12:00 – 13:00 Import Operations PVL.ONE – practical application
- 13:00 – 14:00 Guided exercise: Where does the port appear in this operation?
- 09.07.2026** **Digital Risks, AI and Port Ecosystem Technologies**
- 09:00 – 10:00 Digital Risks in Maritime Operations
- 10:00 – 10:30 Break
- 10:30 - 11:30 AI and digital support tools for operational decision-making
- 11:30 - 12:30 Other technologies in port ecosystems: Just in Time, 5G and digital coordination
- 12:30 – 14:00 Team exercise: identifying friction points and proposing digital improvements
- 10.07.2026** **Digital Improvement Proposal for Port Ecosystems**
- 09:00 – 10:00 Digital Ecosystems in Port Operations
- 10:00 – 10:15 Break
- 10:15 – 12:00 Preparation of final team proposal
- 12:00 – 13:00 Final Presentation (Team Presentations and Review)
- 13:00 – 14:00 Certification and Closing Ceremony



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