Enhancing Efficiency and Governance in Port Operations

9 – 13 August 2027
Vienna (Austria)



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Why This Course

Ports play a critical role in global trade, acting as vital gateways that connect maritime transport with inland logistics networks. As trade volumes grow and supply chains become more complex, port authorities and operators must continuously improve operational efficiency while strengthening governance and regulatory compliance.

This intensive 1-week program provides port professionals with advanced strategies for improving port operations, governance, and competitiveness. Participants will explore modern port management practices, digital transformation initiatives, and sustainability strategies while learning how to optimize logistics processes and strengthen stakeholder collaboration.

What You'll Learn and Practice

By participating in this program, you will:

- Develop strategies to enhance operational efficiency in port environments.
- Understand and apply effective governance models for port management.
- Optimize port logistics and supply chain operations.
- Use technology and data analytics to improve port performance.
- Implement sustainable development and environmental management strategies.
- Strengthen stakeholder relationships to improve port competitiveness.

The Program Flow

Day 1: Foundations of Modern Port Management

- Understanding the evolution of port operations and management practices.
- Exploring the core components of efficient port systems.
- Reviewing governance models and regulatory frameworks for ports.
- Managing stakeholder relationships within port ecosystems.

Day 2: Operational Efficiency and Process Optimization

- Applying Lean management principles in port operations.
- Improving cargo handling and terminal operations.
- Using port performance indicators and benchmarking techniques.
- Implementing risk management and safety protocols.



Day 3: Technology and Innovation in Port Operations

- Understanding digital transformation in port management.
- Using Port Community Systems for integrated operations.
- Exploring automation and robotics in terminal operations.
- Addressing cybersecurity and data protection challenges.

Day 4: Sustainable Port Development and Environmental Management

- Implementing green port initiatives and environmental compliance programs.
- Improving energy efficiency and integrating renewable energy solutions.
- Applying waste management and circular economy practices.
- Developing strategies for climate change adaptation in port operations.

Day 5: Port Competitiveness and Future Trends

- Developing port marketing and business development strategies.
- Strengthening intermodal connectivity and hinterland integration.
- Exploring smart port concepts and emerging technologies.
- Building collaborative models for port ecosystem development.

Individual Impact

- Strengthen knowledge of modern port management and governance.
- Improve strategic thinking and operational decision-making skills.
- Gain practical tools for managing complex port environments.
- Develop strategies to support sustainable and efficient port operations.

Work Impact

- Improve operational performance and logistics efficiency in port operations.
- Strengthen governance structures and regulatory compliance.
- Support digital transformation and innovation within port systems.
- Enhance competitiveness and collaboration across the port ecosystem.

Training Methodology

This program combines industry knowledge with practical application to ensure meaningful learning outcomes. Learning methods include:

- Instructor-led discussions and industry insights.
- Case studies based on real port management scenarios.
- Group exercises focused on operational improvement and governance frameworks.
- Workshops on digital transformation and sustainability strategies.
- Practical tools and frameworks for port management planning.



Beyond the Course

By the end of the program, participants will be able to:

- Design strategies to improve port operational efficiency and governance.
- Implement digital and technological solutions for port optimization.
- Develop sustainable port management practices.
- Strengthen stakeholder collaboration and long-term port competitiveness.

