Advanced Port and Marine Terminal Management Training Course

28 March – 1 April 2027
Muscat

AGILE LEADERS
Training Center

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Ref: 1304_196419 **Date:** 28 March – 1 April 2027 **Location:** Muscat **Fees:** 6500 Euro

Overview

Advanced Port and Marine Terminal Management Training Course is a one-week advanced course for port managers, marine-terminal leaders, harbour operations supervisors, HSE managers, logistics coordinators, and port-community professionals who leave with a Port and Marine Terminal Operating Model Portfolio. Participants integrate port governance, berth planning, vessel turnaround management, cargo operations, port safety management, port performance indicators, security coordination, and environmental performance. The course addresses multi-cargo port systems and remains distinct from specialist liquefied-gas ship/shore transfer training. Agile Leaders Training Center presents port management as coordinated control of infrastructure, operations, people, risk, and service outcomes.

Who Should Attend

- Port and terminal managers responsible for operating-model decisions
- Harbour masters, marine operations leaders, and berth planners
- Cargo, yard, gate, and logistics supervisors coordinating terminal flow
- HSE, security, environmental, and emergency-management professionals
- Port authority, concession, contractor, and service-provider representatives

The course assumes experience in port, terminal, logistics, maritime, or industrial operations. It excludes entry-level cargo handling, specialist gas-transfer control, navigation certification, and legal advice.

Departments and Industries

The course supports public and private organizations that plan, govern, operate, or serve ports and marine terminals.

- Port authorities, landlord ports, full-service ports, and terminal operators
- Container, dry-bulk, liquid-bulk, general-cargo, ferry, and cruise facilities
- Marine operations, cargo operations, logistics, engineering, and maintenance
- Health and safety, security, environment, quality, and emergency functions
- Shipping lines, agents, customs, contractors, and port-community partners

Learning Objectives

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

- Map port governance, concession, regulatory, and stakeholder accountabilities
- Coordinate vessel arrival, berth allocation, marine services, and turnaround
- Control cargo flow across quay, yard, gate, storage, and hinterland interfaces
- Integrate safety, security, environment, contractor, and emergency controls
- Build balanced operational dashboards using port performance indicators
- Prioritize capacity, reliability, workforce, and service-improvement actions

Course Agenda

Day 1: Port Governance and Operating Models

- Port System, Terminal, and Port-Community Value Map
- Landlord, Tool, Service, and Mixed Operating-Model Comparison
- Authority, Concessionaire, Operator, and Contractor Accountability Matrix
- Regulatory, Commercial, Safety, Security, and Environmental Obligation Register
- Port Stakeholder Coordination Charter

Day 2: Vessel and Berth Operations

- Vessel Call and Pre-Arrival Information Workflow
- Berth Allocation and Marine-Service Planning Board
- Pilotage, Towage, Mooring, Access, and Weather-Control Interface
- Vessel Turnaround Delay and Constraint Analysis
- Berth Handover and Operating-Readiness Checklist

Day 3: Cargo and Terminal Flow

- Quay, Yard, Gate, Storage, and Hinterland Flow Map
- Multi-Cargo Handling and Segregation Control Matrix
- Equipment, Labour, Shift, and Contractor Coordination Plan
- Dwell Time, Queue, Bottleneck, and Capacity Analysis
- Cargo Integrity, Documentation, and Exception-Control Log

Day 4: Safety, Security, Environment, and Resilience

- ILO Port Safety and Health Control Framework
- ISPS Port-Facility Security Coordination Map
- Critical Task, Permit, Traffic, Lifting, and Contractor Control Review
- Emergency Command, Business Continuity, and Recovery Interface
- Environmental Aspect, Spill, Waste, Emission, and Nuisance Register

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Day 5: Port Performance and Improvement Practice

- Exercise: Port Governance and Stakeholder Decision Map
- Exercise: Vessel Call and Berth-Conflict Resolution
- Exercise: Cargo-Flow Bottleneck and Capacity Review
- Exercise: Safety, Security, and Emergency Assurance Review
- Capstone Exercise: Port and Marine Terminal Operating Model Portfolio

Practical Exercises

The course uses suggested scenarios that connect management decisions with operational evidence.

- Suggested activity: compare operating models and allocate accountabilities for a mixed-use port.
- Suggested activity: resolve berth, equipment, labour, and cargo-flow conflicts during a congested period.
- Suggested activity: investigate vessel waiting time, berth occupancy, dwell time, and service reliability.
- Suggested activity: prioritize safety, security, environment, resilience, and productivity actions.

FAQs

What does advanced port and marine terminal management cover?

It covers governance, vessel and berth operations, cargo flow, workforce and contractors, safety, security, environment, emergency resilience, performance measurement, and coordinated improvement.

How is this course different from specialist liquefied-gas terminal training?

This course manages the broad multi-cargo port system and its operating model. Specialist liquefied-gas training concentrates on cargo-specific ship/shore transfer hazards, safeguards, and emergency systems.

Which port performance indicators are useful?

Useful indicators include vessel waiting and turnaround time, berth occupancy, cargo rate, lifts per ship-hour, dwell time, gate and yard flow, equipment availability, incidents, environmental measures, and service reliability.

How are safety and productivity balanced?

They are managed through defined operating limits, planned resources, reliable equipment, competent people, controlled interfaces, leading safety measures, and performance reviews that do not reward unsafe shortcuts.

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Why is port-community coordination important?

Ports depend on authorities, operators, shipping lines, agents, customs, contractors, transport providers, workers, and communities. Shared information and clear decision rights reduce delay, conflict, and unmanaged risk.

Conclusion

The course integrates governance, vessel operations, cargo flow, port safety management, security, environment, resilience, and performance. Participants take back a Port and Marine Terminal Operating Model Portfolio containing maps, matrices, workflows, checklists, dashboards, and an improvement roadmap. The portfolio turns fragmented port activities into coordinated operating decisions with accountable owners and measurable outcomes.