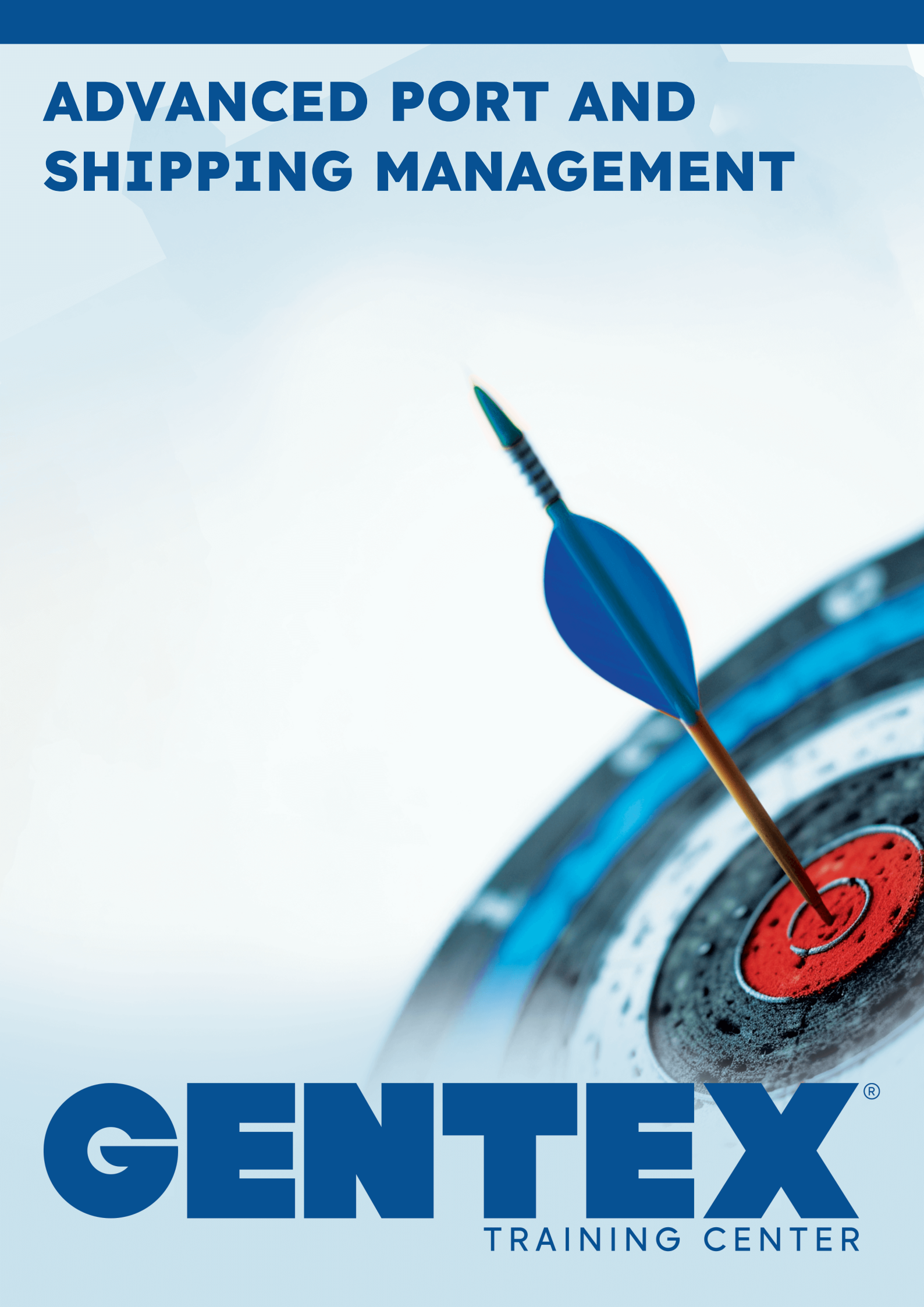
ADVANCED PORT AND SHIPPING MANAGEMENT



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Introduction

A port earns its reputation on vessel turnaround, cargo handling, and the reliability of what happens between the berth and the gate. Delays at a terminal spread outward into shipping schedules, supply chains, and national trade performance. This Advanced Port and Shipping Management Training Course gives port operators, terminal managers, and shipping professionals a complete method for running these operations. Participants learn port strategy and commercial positioning, terminal operations and berth planning, cargo handling systems, shipping line and carrier management, port safety and security under the ISPS Code, and performance measurement. Furthermore, the course links port decisions to trade facilitation, cost, and service competitiveness.

Advanced Port and Shipping Management Course Objectives

- Apply port strategy and commercial positioning to a competitive market.
- Plan berth allocation, vessel scheduling, and terminal capacity.
- Operate container, bulk, and general cargo handling systems efficiently.
- Manage yard planning, storage stacking, and gate operations.
- Coordinate with shipping lines, agents, freight forwarders, and hauliers.
- Apply port safety, security, and environmental requirements including the ISPS Code.
- Manage cargo documentation, customs interface, and release procedures.
- Control port cost structures and tariff design decisions.
- Measure performance with turnaround time, berth occupancy, and crane productivity.
- Build port development and investment plans with clear business cases.

Course Methodology

- Facilitated sessions built on real terminal data, vessel records, and port plans.

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- Case workshops on congestion, vessel delay, and terminal productivity failures.
- Berth and yard planning exercises using live vessel and cargo data.
- Simulation of a port operations control room decision cycle.
- Group exercise on a port performance and competitiveness improvement plan.

Who Should Take This Course

- Port authority and terminal operating company staff.
- Terminal managers, berth planners, and yard supervisors.
- Shipping line and agency operations officers.
- Freight forwarding and cargo handling supervisors.
- Port safety, security, and environmental officers.
- Customs liaison and trade facilitation staff.

Advanced Port and Shipping Management Course Outlines

Day 1: Port Strategy, Governance, and Commercial Positioning

- Port types: gateway, transhipment, industrial, and feeder hubs.
- Port authority versus terminal operator roles and concession models.
- Competitive positioning, hinterland reach, and shipping line selection.
- Port governance, regulation, and tariff setting principles.
- Trade flows, cargo forecasting, and market analysis.
- Stakeholder management: government, carriers, shippers, and communities.

- Port master planning and development phases.

Day 2: Terminal Operations and Berth Planning

- Berth allocation and vessel scheduling principles.
- Quay crane allocation and productivity targets.
- Ship-to-shore planning, stowage, and discharge sequencing.
- Terminal layout: quay, yard, rail, and gate interfaces.
- Yard planning, stacking strategy, and reefer management.
- Gate operations, truck appointment systems, and dwell time control.
- Rail and inland connection management.

Day 3: Cargo Types, Handling, and Shipping Operations

- Container terminal operations and equipment types.
- Bulk, breakbulk, and liquid cargo handling basics.
- RoRo and project cargo operations.
- Shipping line operations, vessel types, and service rotations.
- Chartering basics and freight market considerations.
- Agents, forwarders, and hauliers coordination.
- Cargo documentation and bill of lading practice.

Day 4: Safety, Security, and Environmental Management

- ISPS Code requirements and port facility security plans.
- Security levels, access control, and perimeter protection.
- Port safety: lifting operations, vehicle movement, and confined spaces.

- Hazardous and dangerous goods handling and segregation.
- Environmental management: emissions, waste, and dredging controls.
- Emergency response and incident command in a port environment.
- Inspection readiness and regulatory compliance.

Day 5: Performance, Cost, and Port Development

- KPIs: vessel turnaround, berth occupancy, crane moves per hour, and dwell time.
- Port cost structure and tariff design.
- Productivity improvement methods and bottleneck relief.
- Digital port systems: TOS, EDI, and port community platforms.
- Investment appraisal for terminal equipment and expansion.
- Green port initiatives and sustainability commitments.
- Building a port competitiveness improvement roadmap.

Conclusion

By successfully completing the Advanced Port and Shipping Management Training Course, participants will have acquired a thorough working knowledge of port strategy and governance, terminal operations and berth planning, cargo handling systems, shipping line coordination, port safety and security, cost control, and performance measurement. They will leave able to raise terminal productivity, cut vessel turnaround time, and present a development case with credible figures. Gentex Training Center delivers this programme with port and shipping practitioners who manage these operations in live terminals.

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FAQs for the Advanced Port and Shipping Management course

Q1 What is the "Advanced Port and Shipping Management" course about?

It is a five-day programme on managing port and shipping operations. It covers port strategy and governance, terminal operations and berth planning, cargo handling, shipping line coordination, safety and security under the ISPS Code, cost control, and performance measurement.

Q2 What are the key benefits of the "Advanced Port and Shipping Management" course?

Participants cut vessel turnaround time and berth idle time, raise crane and yard productivity, and reduce congestion that damages carrier and shipper relationships. They also gain cost and tariff understanding that supports sound commercial and investment decisions.

Q3 What skills will I gain from the "Advanced Port and Shipping Management" course?

You will gain port strategy and commercial positioning, terminal operations and berth planning, cargo handling and shipping coordination management, and port safety, security, cost, and performance management.

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Q4 What tools, methods, or standards are covered in the "Advanced Port and Shipping Management" course?

The course works with port master planning and concession models, berth allocation and vessel scheduling methods, quay crane allocation and productivity targets, terminal layout design across quay, yard, rail and gate interfaces, yard stacking strategy and reefer management, truck appointment systems and dwell time control, container, bulk, breakbulk and RoRo handling equipment, shipping line service rotations and chartering basics, bill of lading and cargo documentation practice, the ISPS Code and port facility security plans, dangerous goods segregation rules, environmental controls covering emissions and waste, terminal operating systems with EDI and port community platforms, and port KPIs including vessel turnaround, berth occupancy and crane moves per hour.

Q5 How is the "Advanced Port and Shipping Management" course applied in real-world practice?

Teams apply it when preparing a berth plan for the coming week, reviewing crane productivity after a congestion period, designing a yard stacking strategy, preparing a port facility security plan, setting terminal tariffs, and building an investment case for new handling equipment. It also guides green port initiatives and port community system rollouts.