Datastat Research
Building Capacity in Training and Research

DATASTAT TRAINING IN

OFFICIAL COURSE PROSPECTUS

Center for Advanced Research & Professional Development

Nairobi Training Center • Global Virtual Academy • Corporate On-Site

BLUE ECONOMY

Training Course on Port Management

Comprehensive Course Syllabus, Practical Modules & Upcoming Schedules

PROGRAM SPECIFICATIONS & HIGHLIGHTS

DURATION
10 Days Practical Hands-on

DELIVERY MODES
In-Person Class & Live Virtual

CERTIFICATION
Accredited Certificate of Completion

INTAKES / DATES
Multiple Cohort Schedules Included

PREPARED FOR:

Valued Participant

Email: training@datastatresearch.org | Issued: November 21, 2026

Academic & Professional Training Year: 2026

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Training Course on Port Management

Blue economy • 10 Days Intensive • Accredited Certification

Course Overview

Training Course on Port Management equips participants with practical knowledge in port operations, maritime logistics, supply chain integration, port security, and infrastructure development to meet the evolving challenges in seaport and inland port operations.

Key Skills & Software Tools Covered

Port Management • Logistics • Project Planning • Risk Assessment • Operations

Upcoming Training Schedules

Confirmed cohort intakes and venues. Both physical in-person classroom and live virtual online seats are available.

TRAINING DATES	LOCATION / VENUE	FORMAT / DURATION	INVESTMENT (FEE)
5 Jan 2026 – 16 Jan 2026	Nairobi	Classroom / 10d	**$3,000 USD / KES 220,000**
5 Jan 2026 – 16 Jan 2026	Kigali	Classroom / 10d	**$6,000 USD / KES 110,000**
5 Jan 2026 – 16 Jan 2026	Dubai	Classroom / 10d	**$10,000 USD / KES 110,000**
5 Jan 2026 – 16 Jan 2026	Cape Town	Classroom / 10d	**$9,000 USD / KES 110,000**
5 Jan 2026 – 16 Jan 2026	Addis Ababa	Classroom / 10d	**$6,000 USD / KES 110,000**
5 Jan 2026 – 16 Jan 2026	Singapore	Classroom / 10d	**$10,000 USD / KES 110,000**
5 Jan 2026 – 16 Jan 2026	Istanbul	Classroom / 10d	**$10,000 USD / KES 110,000**
5 Jan 2026 – 16 Jan 2026	Bangkok	Classroom / 10d	**$10,000 USD / KES 110,000**
5 Jan 2026 – 16 Jan 2026	Accra	Classroom / 10d	**$8,000 USD / KES 110,000**
19 Jan 2026 – 30 Jan 2026	Nairobi	Classroom / 10d	**$3,000 USD / KES 220,000**
19 Jan 2026 – 30 Jan 2026	Kigali	Classroom / 10d	**$6,000 USD / KES 110,000**
19 Jan 2026 – 30 Jan 2026	Dubai	Classroom / 10d	**$10,000 USD / KES 110,000**

* Corporate discounts and customized cohort scheduling are available for teams of 3 or more participants.

Course Curriculum & Modules

Training Course on Port Management

Introduction

Maritime ports serve as critical nodes in the global supply chain, facilitating international trade and economic growth. Efficient port management is paramount, demanding a sophisticated understanding of complex logistics, operational processes, security protocols, and regulatory landscapes. In an era of rapid digitalization, increasing focus on sustainability, and evolving geopolitical dynamics, port professionals must be equipped with cutting-edge knowledge and skills to optimize performance, enhance resilience, and maintain a competitive edge. This intensive training course provides a comprehensive overview of modern port management principles and practices, addressing current challenges and future trends.

This program delves into the core functions of port operations, from terminal management and cargo handling to intermodal connectivity and port security. Participants will explore strategies for improving efficiency, leveraging smart port technologies, implementing green initiatives, and ensuring compliance with international standards like the ISPS Code. By integrating theoretical knowledge with practical case studies and industry best practices, this course empowers participants to lead and innovate within the dynamic maritime port sector, contributing significantly to their organization's success and the seamless flow of global commerce.

Course Duration

10 days

Course Objectives

Upon successful completion of this course, participants will be able to:

- Analyze the strategic role of ports within global trade and supply chain networks.
- Optimize port operations and terminal management for enhanced efficiency and throughput.
- Implement best practices in maritime logistics and intermodal transport coordination.
- Develop and enforce robust port security measures aligned with the ISPS Code and cybersecurity protocols.
- Integrate digital port solutions and automation technologies to streamline processes.
- Champion sustainable port initiatives and green shipping practices to minimize environmental impact.
- Master port financial management, including pricing, budgeting, and investment strategies.
- Navigate the complexities of maritime law, regulations, and international conventions (IMO, SOLAS, MARPOL).
- Enhance port safety culture and implement effective HSSE (Health, Safety, Security & Environment) management systems.
- Conduct effective port planning, infrastructure development, and project management.
- Apply data-driven decision-making using port performance metrics and analytics.
- Strengthen stakeholder management and communication strategies within the port ecosystem.
- Develop port resilience strategies for crisis management and business continuity.

Organizational Benefits

Organizations investing in this training will gain:

- Improved operational efficiency and productivity in port and terminal activities.
- Enhanced port safety, security, and environmental compliance, reducing risks and liabilities.
- Reduced operational costs through optimized resource allocation and process improvements.
- Increased competitiveness through the adoption of modern technologies and strategic insights.
- Skilled workforce capable of managing complex port operations and driving innovation.
- Better alignment with international standards and sustainable development goals (SDGs).
- Stronger stakeholder relationships and improved port community integration.

Target Participants

- Port Authority Managers and Directors
- Terminal Operators and Supervisors
- Shipping Line Managers & Agents
- Logistics and Supply Chain Professionals
- Port Engineers and Planners
- Maritime Security Officers (PFSOs) & Personnel
- Government Officials (Transport, Customs, Maritime Authorities)
- Freight Forwarders and Cargo Owners

Course Outline

Module 1: Introduction to Maritime Ports & Global Trade

- Role of ports in the international supply chain.
- Types of ports and terminals (Container, Bulk, Ro-Ro, LNG).
- Key stakeholders in the port ecosystem.
- Impact of globalization on port development.
- Historical evolution and modern port functions.

Module 2: Port Governance & Management Models

- Different port authority structures (Landlord, Tool, Service).
- Public-Private Partnerships (PPPs) in ports.
- Regulatory frameworks and governing bodies.
- Port governance best practices.
- Strategic decision-making in port authorities.

Module 3: Port Operations Management

- Vessel traffic management systems (VTMS).
- Berth planning and allocation strategies.
- Quay transfer and stevedoring operations.
- Yard planning and management techniques.
- Measuring and improving port productivity.

Module 4: Terminal Management & Efficiency

- Container terminal operations optimization.
- Bulk and liquid terminal specific operations.
- Warehouse and storage management.
- Equipment management and maintenance strategies.
- Gate operations and reducing turnaround times.

Module 5: Maritime Logistics & Intermodal Connectivity

- Integrating ports into the wider supply chain.
- Hinterland connections (Road, Rail, Inland Waterways).
- Role of freight forwarders and logistics providers.
- Managing cargo flow and documentation.
- Last-mile logistics challenges and solutions.

Module 6: Port Planning & Infrastructure Development

- Principles of port master planning.
- Demand forecasting and capacity analysis.
- Port engineering and infrastructure design basics.
- Financing port development projects.
- Environmental impact assessments for port projects.

Module 7: Port Finance, Economics & Pricing

- Port cost structures and revenue streams.
- Port pricing strategies and tariff setting.
- Financial performance analysis and budgeting.
- Economic impact of ports on regions.
- Investment appraisal techniques for port assets.

Module 8: Maritime Law & Port Regulations

- Key international maritime conventions (SOLAS, MARPOL, FAL).
- National port legislation and regulatory compliance.
- Port state control and inspections.
- Liability, insurance, and claims handling.
- Customs procedures and trade facilitation.

Module 9: Port Security & ISPS Code

- Understanding maritime security threats.
- International Ship and Port Facility Security (ISPS) Code requirements.
- Port Facility Security Assessments (PFSA) and Plans (PFSP).
- Access control, surveillance, and monitoring.
- Coordination with security and law enforcement agencies.

Module 10: Maritime Cybersecurity in Ports

- Cyber threats targeting port IT and OT systems.
- Developing a port cybersecurity framework.
- Protecting critical port infrastructure from cyber-attacks.
- Data security and privacy regulations.
- Incident response planning for cyber events.

Module 11: Health, Safety, Security & Environment (HSSE)

- Developing a strong port safety culture.
- Occupational health and safety standards.
- Hazardous materials (HAZMAT) handling procedures.
- Environmental management systems (EMS) in ports.
- Emergency preparedness and response planning.

Module 12: Sustainable Ports & Green Initiatives

- Environmental challenges facing ports (Emissions, Waste, Ballast Water).
- Implementing green port strategies and technologies.
- Shore power (AMP), LNG bunkering, alternative fuels.
- Waste management and circular economy principles.
- Community engagement and social responsibility.

Module 13: Digitalization & Smart Port Technologies

- Internet of Things (IoT) applications in ports.
- Artificial Intelligence (AI) and Machine Learning (ML) for optimization.
- Port Community Systems (PCS) and data sharing.
- Automation in container handling and transport.
- Blockchain applications in port logistics.

Module 14: Human Resource Management & Leadership in Ports

- Recruitment, training, and development of port personnel.
- Managing port labor relations.
- Leadership skills for port managers.
- Performance management and competency development.
- Change management in a dynamic port environment.

Module 15: Future Trends & Port Resilience

- Impact of autonomous shipping on ports.
- Adapting to changing global trade patterns.
- Building resilience against disruptions (Climate, Geopolitical).
- Innovation and future port concepts.
- Strategic foresight and long-term planning.

Training Methodology

This course utilizes a blended learning approach, combining:

- Expert-led lectures and presentations.
- Interactive workshops and group discussions.
- Real-world case study analysis.
- Practical exercises and simulations.
- Guest speakers from the industry (where applicable).
- Potentially, guided site visits to port facilities (logistics permitting).
- Access to online resources and course materials.

Register as a group from 3 participants for a Discount

Send us an email: info@datastatresearch.org or call +254724527104

Certification

Upon successful completion of this training, participants will be issued with a globally- recognized certificate.

Tailor-Made Course

We also offer tailor-made courses based on your needs.

Key Notes

a. The participant must be conversant with English.

b. Upon completion of training the participant will be issued with an Authorized Training Certificate

c. Course duration is flexible and the contents can be modified to fit any number of days.

d. The course fee includes facilitation training materials, 2 coffee breaks, buffet lunch and A Certificate upon successful completion of Training.

e. One-year post-training support Consultation and Coaching provided after the course.

f. Payment should be done at least a week before commence of the training, to DATASTAT CONSULTANCY LTD account, as indicated in the invoice so as to enable us prepare better for you.

Certification & Learning Methodology

- Hands-on practical delivery with real-world datasets, case studies, and lab exercises.
- Post-training mentorship, access to class resources, and customized follow-up support.
- Participants who successfully complete the course receive an accredited Datastat Certificate of Completion.

How to Enroll & Reserve Your Seat

1. Online Registration: Visit https://datastatresearch.org/courses/training-course-on-port-management to register online.
2. Email Booking: Send participant details to training@datastatresearch.org for official invoice & reservation.
3. Support & Assistance: Inquire via phone +254 724 527 104 | +254 734 969 612.