

Training Title

CONTAINER TERMINAL OPERATIONS

Training Duration

5 days

Training Venue and Dates

REF	Container Terminal		07-11 November		
SM040	Operations	5	2021	\$4,500	Dubai, UAE

Training will be held at any of the 5 star hotels. Exact venue will be informed once finalized.

Training Fees

- 4,500 US\$ per participant for Public Training includes Materials/Handouts, tea/coffee breaks, refreshments & Buffet Lunch

Training Certificate

Define Management Consultancy & Training Certificate of course completion will be issued to all attendees.

TRAINING OVERVIEW

TRAINING INTRODUCTION

The increasing competitiveness of the marine transportation industry has brought about demands that container terminal productivity be improved... In this course we will focus and discuss the prospects of using such measurements to estimate or compare the productivity of container terminals in ports. A sensible strategy for managing productivity would involve the linking of productivity and cost data, so that existing productivity constraints can be intelligently shifted from one area of operations to another.

TRAINING OBJECTIVES

This training course will cover the core departments of container terminal operations including gate, container yard, vessel, rail, maintenance and repair and the role of the management. Participants will learn what it takes to get a container into the terminal, the role of the stevedore, how to work a vessel, managing and planning double stack rail operations, efficient management and use of available real estate, and how to keep equipment safe and reliable. Participants will gain an understanding of how containerized cargo is received, stored, and distributed to meet the customers' needs.

TRAINING METHODOLOGY:

A highly interactive combination of lectures and discussion sessions will be managed to maximize the amount and quality of information and knowledge transfer. The sessions will

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start by raising the most relevant questions, and motivate everybody find the right answers. You will also be encouraged to raise your own questions and to share in the development of the right answers using your own analysis and experiences. In addition to formal lectures and discussions, the delegates will learn by active participation through the use of group discussions, analysis of real-life case studies with Practical Applications.

- 30% Lectures
- 30% Workshops and work presentation
- 20% Group Work & Practical Exercises
- 20% Videos & General Discussions

WHO SHOULD ATTEND

- Senior Professionals, Senior Officials, Managers and Supervisors with focus on different roles around Ports, Container Terminals, ICD's, Freight Stations and related policy.
- Senior workers in Supply Chain & Logistics Management
- Freight Forwarders, 3PL

TOPICS COVERED

- Container Trade-Recent Developments & Perspectives
- Logistics and Containerization Economics of Sale, Vessel Sizes Route Planning
- Private & Public Partnership in Ports & Container Terminals
- Container Terminal Organization
- Container Terminal Layout
- Quay Crane Specifications and Quay Operations
- Physical characteristics of vessels influencing berth allocation
- Factors influencing berth planning from ship side (arrival / departure times) and shore side (number of containers)
- Container Yard (CY) and Container Freight Station (CFS).
- Inland Container Depot (ICD).
- Describe the process of the ship operation, for loading and discharging.
- Terminal operating systems, technology and customer service
- Types of ship-to-shore equipment Discharge and Load Procedures Planning requirements
- Equipment and Manpower, Selection and Deployment

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- Types of stacking, Horizontal Transport Equipment Personnel and Qualification Job dispatching Manpower Deployment-Multi-skilling
- RTGC Operations and how to develop its role in containers stacking yards.
- Yard Management and Storage Strategies
- Container Yard Storage Control & Dwell time and capacity calculations
- Traffic Estimation Dwell Times Cargo Specifics Yard Management Route Optimization
- Landside Receive and Delivery: Inspection and Claims
- Container Inspection Yard Requirements and Identification Container Security Initiatives ISPS
- IMO classification of dangerous cargo.
- Hazard Cargo Handling & Label requirements for IMDG-code cargo
- Safety and Security
- Planning CFS (Container Freight Station) operations and LCL
- Cooperation with shippers, agents, carriers and consignees
- EDI and Container Terminal Operations
- IT Role in Container Terminal Management & Operation
- Productivity Measures
- KPI's for Container Terminals Quality Management

COURSE DAILY OUTLINE

Day 1

Container Trade-Recent Developments & Perspectives

Logistics and Containerization Economics of Scale, Vessel Sizes Route Planning

Container Terminal Organization

Container Terminal Layout

Introduction to general container terminal operations.

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Day 2

Quay Crane Specifications and Quay Operations

Physical characteristics of vessels influencing berth allocation

Factors influencing berth planning from ship side (arrival / departure times) and shore side (number of containers)

Container Yard (CY) and Container Freight Station (CFS).

Inland Container Depot (ICD).

Describe the process of the ship operation, for loading and discharging.

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Understand current and emerging dynamics for container terminal operations management.

Handling Special units (open tops, over height, overweight and Flat Racks), Hazardous and reefer containers.

Day 3

Terminal operating systems, technology and customer service

Types of ship-to-shore equipment Discharge and Load & Procedures and Planning requirements

Equipment and Manpower, Selection and Deployment

Types of stacking, Horizontal Transport Equipment Personnel and Qualification Job dispatching Manpower Deployment-Multi-skilling

RTGC Operations and how to develop its role in containers stacking yards.

Yard Management and Storage Strategies

Container Yard Storage Control & Dwell time and capacity calculations

Traffic Estimation, Dwell Times, Cargo Specifics, Yard Management, Route Optimization.

Day 4

Landside Receive and Delivery: Inspection and Claims

Container Inspection Yard Requirements and Identification Container Security Initiatives ISPS

IMO classification of dangerous cargo.

Hazard Cargo Handling & Label requirements for IMDG-code cargo

Safety and Security

Day 5

Planning CFS (Container Freight Station) operations and LCL

Cooperation with shippers, agents, carriers and consignees

EDI and Container Terminal Operations

IT Role in Container Terminal Management & Operation

Discuss productivity measurements and factors affecting container terminal productivity.

KPI's for Container Terminals Quality Management

Discuss latest approaches to improving container terminal performance.

Learn about today's state-of-the-art terminal automation.

NOTE:

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Pre & Post Tests will be conducted

Case Studies, Group Exercises, Group Discussions, Last Day Review & Assessments will be carried out.

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