

Advanced Principles in Ports & Marine Terminals Management, Operations & Safety



Course Description:

- The training course is a vital path to ensure proper understanding of the concepts of managing & operating of ports and terminal based on the most updated standards & regulations.
- Throughout this attractive training course delegates will be able to implement the concepts of Risk Based Management, delegates will gain the skills that will lead them to the optimum safest & swift operation fundamentals, those that were collected from studying the international industrial practices.

The Training course will highlight:

- The delegates will be capable of applying the KPI principles to ensure the proper implementation of the policies and objectives of operating the Port / Terminal towards the planned achievement. Auditing the process Operational, Financial & Safety wise will provide the management team with data on the real situation and shall propose the action plan to be the road map for a continual improvement process.
- The training course attendees will learn and practice the PHA, HAZOP, FMEA and Task-Based Risk Assessment techniques that successfully being applied in the recent process and how to use a PHA to identify Functional Safety Assessment (FSA) and safety integrity levels (SIL)

Course outline

- Know your Port/Terminal Capabilities (Sources & Resources)
- The Principal Organization Chart that Suits port/ terminal Capacity
- Planning for Budgeting of all process
- Types of Charter Parties
- Obligations, Liabilities & Responsibilities of Port / Terminal, Vessel Operator & Charterer related to each type of chartering
- Criteria for calculating Lay Time and Demurrage Claims
- Dangerous Cargo Storage and Handling Best Practices
- Introduction to OCIMF
- OCIMF Requirements, Auditing & Vetting Questionnaire
- Vessels Planning & Scheduling Principals
- Supporting Functions within the Port Operations
- Managing the Port / Terminal Logistics

Course outline

- Safety Management System (SMS) Contents
- Maintaining Port / Terminal Assets Operational (PMS)
- Compliance with the International & National Rules & Regulations
- ISGOTT & SIGTTO Requirements
- Emergency Preparedness & Response System
- Employees Participation & Consultation Process
- Applying PDCA Concept in Managing the Port / Terminal
- Risk Based Management Techniques
- Process Hazard Analysis (PHA) Methodology
- Layer of Protection Analysis (LOPA) – An effective tool in PHA
- Functional Safety Assessment (FSA)
- Failure Mode and Effects Analysis (FMEA)