

# € TRAINING

Conference: HSE In Port





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### Introduction

Ports and harbors form a major part of coastal communities. They serve as centers of economic development and the gateway to domestic, regional, and international trade. Port authorities and operators face many challenges with regard to their roles and their impact in the sustainable development of coastal areas. The activities in ports and harbors being of paramount importance also raise the need for seamless and secure operations within and outside the realm of activities and movements.

### Course Objectives

The main objective of this course is to empower port operations personnel with:

- complete information about health and safety of employees and protection of the environment
- awareness of best practices to follow at work to cause minimum pollution to the environment
- knowledge of certain precautionary measures while working and handling machinery or other equipment to prevent occupational hazards
- the necessary information to handle cargo and waste material in a controlled manner so as to minimize negative impact on the environment
- the required skill and capability to devise, implement and manage safety and health management systems in the organization
- the necessary knowledge and confidence to undertake the training of new employees for protecting and safeguarding them and the organizations' assets against hazards
- the required experience and information to implement advanced systems and technologies to ensure seamless maintenance of health, safety and environmental quality
- the necessary information and skill to conduct regular internal audits for the organization to ensure adherence to universal standards
- the adequate level of knowledge needed to progress in the organization by undertaking critical roles in safety, health and environmental awareness

### Targeted Audience

- Senior port authorities and officers who need to understand the importance of marine safety, its relation to port operations and the need for training and education of port operations' personnel
- Port operations personnel who conduct end-to-end operations daily, working on heavy machinery and complicated systems
- Legal officers and advisors who would be involved in legal issues in the event of an accident that affects the marine environment and compromises on marine safety

- Human resource professionals and policymakers who need to drive adherence to safety through policies and guidelines
- Internal and external auditors who would need to check and confirm compliance with internally set standards from time to time
- External vendors and contractors who also play some part and are involved in some part of marine operations
- Any other individual who would like to know more about port operations and their impact on marine safety

## Course Outline

### Unit 1: Types of Oil Work Hazards

- Motor vehicle accidents
- Contact injuries
- Fires and explosions
- Biological hazards
- Ergonomic hazards
- Slips, trips and falls
- Chemical hazards

### Unit 2: Port Work Hazards

- Fires and explosions
- Chemical hazards
- Weather conditions/tidal movements
- Physical exhaustion
- Slips, trips and falls
- Cargo transport accidents

### Unit 3: Ship Hazards

- Fires and electric shocks
- Carbon dioxide poisoning
- Electronic device hazards
- Aluminium tool and paint hazards

- Wind and lightning
- Oxygen deficiency
- Spillage

#### Unit 4: Importance of Health and Safety Awareness and Training

- Reduced injury and illness
- Positive work culture
- Reduced environmental impact
- Legal standard adherence
- Increased employer branding
- Increased credibility
- Reduced risk of losses

#### Unit 5: Elements of a Safety Management System

- Strategic plan
- Policies and processes
- Training and induction
- Monitoring
- Supervision
- Reporting

#### Unit 6: Pillars of a Health and Safety Management System

- Management commitment
- Clear safety objectives
- Defined methods and processes
- Transparency in safety management