

Port Asset Management System Training

IMA B&W

V5.25

Training
Modules

Port Asset Management System Training

3 Day Program Tailored for Port Authorities

Day

1 Asset Management Foundations & ISO 55001

Introduction to Asset Management in Ports

- Highly performance Ports Benchmark, and main challenges
- Strategic alignment of asset management with port performance

Understanding ISO 55001

- Structure and key clauses
- Readiness assessment and maturity levels
- Workshop 1 : Existing tools soft assessment

Building the AMS Framework

- Asset inventory (based on ISO 10007)
- SAMP (Strategic Asset Management Plan) and AMP (Asset Management Plan)
- Documentation and governance of AMS

Day

2 From basic tools to Digital Port

Maintenance Strategies in Port Context

- Lifecycle management of maritime and port assets
- Technical Maintenance Plans (TMP) and risk-based maintenance

Data Standardization and Integration

- Data migration strategy
- Asset information quality and configuration management

Implementing CMMS and GIS

- Digital Asset Register
- Maintenance workflow automation and spatial integration

Day

3 Performance optimization vs People alignment

Asset Performance Optimization

- Optimizing infrastructure durability
- Engineering simulations and operational limit analysis
- IoT sensors for real-time monitoring
- Workshop 2 : AI Applicable Use cases

Monitoring, Change Management & Awareness

- Dashboards, KPIs, RAMS and audit reports
- Capacity building and responsibility awareness
- Lessons-learned and continuous improvement

Port Asset Management System Training, for who?

Objectives:

- Understand ISO 55001 principles and implementation in port environments.
- Learn to build, implement, and optimize an Asset Management System.
- Gain practical skills in using digital tools (CMMS, GIS, IoT, AI).
- Promote a strong asset management awareness within different stakeholders

Day 1

Asset Management Foundations & ISO 55001

- Management
- Technical Manager
- Financial Manager

Day 2

From basic tools to Digital Port

- IT Manager
- Technical Manager
- Technical Team

Day 3

Performance optimization vs People alignment

- IT Manager
- Technical Manager
- Technical Team
- Operations Manager

Powered by IMA

Asset Management Consultancy & Engineering Solutions

Edition 2025 V5.24