



*Training Course:
Hydrographic Projects Management: Planning
and Execution of Infrastructure and Assets*

*31 January - 4 February 2027
Cairo (Egypt)*

Training Course: Hydrographic Projects Management: Planning and Execution of Infrastructure and Assets

Training Course code: MM235298 From: 31 January - 4 February 2027 Venue: Cairo (Egypt) - Training Course Fees: 4410
€ Euro

Introduction:

The "Planning and Execution of Hydrographic Infrastructure and Assets" training program is designed to equip participants with the knowledge and skills required to effectively plan, develop, and manage hydrographic infrastructure and assets. Hydrographic infrastructure, including survey vessels, equipment, and data management systems, plays a critical role in supporting various maritime activities such as navigation, resource exploration, and environmental monitoring. This program will cover key principles, methodologies, and best practices for the successful planning and execution of hydrographic projects.

Objectives:

Upon completion of the training program, participants will be able to:

- Understand the importance of hydrographic infrastructure and assets in supporting maritime activities.
- Identify key considerations and requirements for planning hydrographic projects.
- Select appropriate technologies and equipment for hydrographic surveys and data collection.
- Implement effective project management strategies for the execution of hydrographic projects.
- Develop maintenance and optimization plans for hydrographic infrastructure and assets.

Target Audience:

- Hydrographic surveyors and technicians
- Marine engineers and infrastructure planners
- Government agencies responsible for maritime management and navigation
- Port authorities and harbor masters
- Marine industry professionals involved in offshore activities
- Environmental scientists and researchers

Outlines:

Day 1: Introduction to Hydrographic Infrastructure and Assets

- Overview of hydrographic infrastructure: definition, types, and functions
- Importance of hydrographic infrastructure in maritime navigation, safety, and resource management
- Overview of hydrographic assets: survey vessels, sonar systems, data processing software, etc.
- Regulatory frameworks and standards governing hydrographic infrastructure and assets
- Case studies highlighting the role of hydrographic infrastructure in different maritime industries

Day 2: Planning Hydrographic Projects

- Principles of project planning and management
- Identification of project objectives, scope, and stakeholders
- Risk assessment and mitigation strategies in hydrographic projects
- Development of project plans, including timelines, budgets, and resource allocation
- Considerations for environmental and safety regulations in project planning

Day 3: Technologies and Equipment for Hydrographic Surveys

- Overview of hydrographic survey technologies and equipment
- Selection criteria for survey vessels, sonar systems, GPS, and other surveying tools
- Deployment and operation of hydrographic survey equipment
- Calibration and maintenance of surveying instruments

Day 4: Execution of Hydrographic Projects

- Implementation of project plans and timelines
- Coordination of survey operations and data collection activities
- Data processing and quality control procedures
- Integration of survey data into GIS Geographic Information Systems and navigation systems

Day 5: Maintenance and Optimization of Hydrographic Infrastructure

- Principles of asset management and maintenance
- Development of maintenance schedules and procedures for hydrographic assets
- Strategies for optimizing the performance and efficiency of hydrographic infrastructure
- Incorporating technological advancements and innovations into hydrographic operations

Registration form on the Training Course: Hydrographic Projects Management: Planning and Execution of Infrastructure and Assets

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