



*Training Course:
Planning and Implementation of Marine Surveys*

*19 - 23 January 2025
Cairo (Egypt)
Holiday Inn & Suites Cairo Maadi, an IHG Hotel*

Training Course: Planning and Implementation of Marine Surveys

Training Course code: MM235296 From: 19 - 23 January 2025 Venue: Cairo (Egypt) - Holiday Inn & Suites Cairo Maadi, an IHG Hotel Training Course Fees: 4200 € Euro

Introduction:

The "Planning and Implementation of Marine Surveys" training program is designed to equip participants with the knowledge and skills necessary to plan, organize, and execute effective marine surveys. Marine surveys play a crucial role in various fields, including hydrography, environmental monitoring, resource exploration, and maritime safety. This program will cover key principles, methodologies, and best practices for conducting marine surveys in diverse marine environments.

Target Audience:

- Hydrographic surveyors
- Environmental scientists and researchers
- Marine engineers and geologists
- Government agencies involved in maritime management and environmental protection
- Marine industry professionals involved in offshore activities
- Nautical chart producers and maritime navigation authorities

Objectives:

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

- Understand the importance and objectives of marine surveys.
- Identify different types of marine surveys and their applications.
- Plan and design marine survey projects effectively.
- Select appropriate survey methods, techniques, and equipment for specific objectives.
- Execute marine surveys safely, efficiently, and accurately.

Outlines:

Day 1:

Introduction to Marine Surveys

- Overview of marine surveying: definition, scope, and importance
- Types of marine surveys: hydrographic surveys, geophysical surveys, environmental surveys, habitat surveys, etc.
- Regulatory frameworks and standards governing marine survey activities
- Introduction to key surveying principles and concepts
- Case studies highlighting the significance of marine surveys in different industries

Day 2:

Planning and Project Management

- Principles of survey project planning and management
- Identification of survey objectives, scope, and stakeholders
- Development of survey project plans, including timelines, budgets, and resource allocation
- Risk assessment and mitigation strategies in marine survey projects
- Introduction to project management tools and software for survey planning and execution

Day 3:

Survey Methods and Techniques

- Overview of common survey methods and techniques used in marine surveys
- Selection criteria for survey methods based on project objectives and environmental conditions
- Equipment and instrumentation used in marine surveys: sonar systems, bathymetric sensors, seismic sources, etc.
- Practical considerations for deploying survey equipment and collecting data in different marine environments
- Hands-on demonstrations of survey equipment and techniques

Day 4:

Data Processing and Analysis

- Introduction to data processing and analysis techniques for marine survey data
- Data quality control and assurance procedures

- Bathymetric data processing and interpolation methods
- Geospatial data analysis and visualization techniques
- Interpretation of survey data to generate actionable insights and recommendations

Day 5:

Reporting and Presentation

- Principles of effective survey reporting and documentation
- Components of a comprehensive survey report: methodology, results, analysis, conclusions, recommendations
- Best practices for data visualization and presentation
- Communicating survey findings to stakeholders and decision-makers
- Review of case studies and real-world examples of survey reports

Registration form on the Training Course: Planning and Implementation of Marine Surveys

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