

€ TRAINING

Marine Ports Engineering

A group of four smiling professionals (three men and one woman) in a meeting setting. The woman in the foreground is wearing a black top and a multi-strand necklace. The men are wearing white shirts. They are all looking towards the camera with pleasant expressions. The background is a blurred office environment.

8 - 12 December 2019
Cairo (Egypt)
InterContinental Cairo
Semiram



Marine Ports Engineering

REF: E6111 DATE: 8 - 12 December 2019 Venue: Cairo (Egypt) - InterContinental Cairo Semiram Fee: 2500 Euro

Overview:

This training course will provide participants a solid foundation in the techniques, concepts and methods of hydrodynamic and theories used in the planning, design and construction of the port facilities.

Course Objectives:

The training course will help to improve your understanding of the full life cycle of planning and design ports, with:

- Port planning.
- Coastal operations.
- Breakwaters.
- Channel design.
- Shoveling.
- Quays and berths.
- Environmental approvals and mitigation.
- Case Studies.

Target groups:

- Engineers and graduate engineers who wish to have some practical and specific applied knowledge and skills.
- Structural designers - to help understand the various criteria and troubles they may not have taken into account.
- This course will benefit those who need to understand the ins and outs of the port development project and what all operations are.
- For senior administrators of managing a new port design - this is a good basis for understanding all the key parameters and logical process.

Course Content:

- This course will provide participants with a solid foundation in the techniques, concepts, methods and hydrodynamic theories used in the planning, design and construction of port facilities.
- Important issues will be clarified by reference to the case studies, and will provide participants with the necessary methodologies for planning and reviewing the port design program when presented.
- Participants will learn to assess the impact of nature forces on the final design of the commercial port.
- The course will give a broad picture of the work and interaction of oceanographers, coastal engineers, port designers and construction companies using actual case studies from around the world to highlight the topics discussed.
- Mathematical and physical modeling are really important in successful design. With reference to the examples, the various options available will be explored in some detail.
- Equally important is the ability, with simple techniques, to verify that models provide reasonable and accurate results by referencing previous projects.
- The course will discuss some of the tools and techniques available for conducting reviews of various modeling processes.