



DREDGING AND RECLAMATION

Processes and management

In this one-day, introduction course you are given an overview of the physical processes of dredging and reclamation and their impacts on marine environments. The focus is on the environmental impacts of dredging and reclamation projects and the available tools and procedures that can help to sustainably manage these projects both during the design and implementation of the works.

Coastal environments have diverse environmental receptors sensitive to potential impacts arising from dredging and reclamation. These include habitats such as coral reefs, natural resources such as fisheries, economic resources such as water intakes and socio-cultural resources such as tourism facilities. Coupled with the fact that the physical processes of currents and waves can transfer the potential impacts of dredging and reclamation many kilometres from the work area, it becomes clear that the management of environmental impacts of dredging and reclamation is a challenging activity.

The course provides you with the necessary knowledge of the physical and biological impact processes resulting from dredging and reclamation works and how these can be minimized through project planning and environmental management during execution.

COURSE TOPICS

- Overview and analysis: The dredging and reclamation process and techniques
- Potential environmental impacts
- Mitigation options
- Sediment physical properties
- Natural sediment processes
- Introduction and analysis of the EIA process
- Optimisation of reclamation design
- Environmental management during construction

TARGET GROUP AND PREREQUISITES

Professionals in the fields of environmental management, coastal engineering, master planning, coastal administration and project management who are involved in the planning, management or approval of dredging and reclamation projects.

THE ACADEMY BY DHI

THE ACADEMY offers a palette of courses and capacity building packages designed to fit your needs and challenges. We offer standard and/or tailored training - face-2-face as well as online.

MIKE Powered by DHI courses focus on practical skills, hands-on exercises and teaching you how to get the most out of your software. These courses also enable you to understand the power of the MIKE tools for building decision support systems.

Thematic courses allow you to apply concepts, applications and decision support principles to the entire business process within current areas: aquaculture and agriculture, energy, climate change, flooding, coast and marine, surface and groundwater, urban water, industry, environment and ecosystems, product safety and environmental risk, etc.

Our trainers are experienced professionals, many of whom are recognised international experts in their fields. The use of highly skilled trainers guarantees the quality of THE ACADEMY courses.

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