



LET'S TRAIN PROFESSIONALS BETTER!

Inland dredging & logistics for water systems in urban areas

TARGET GROUP

Workers (executive level) dealing with Operation & Maintenance of water channels in urban areas, working at local/regional governmental institutions

ENTRY LEVEL

Vocational education

DURATION

5 days (including field trips to dredging sites)

PARTICIPANTS

16

TRAINERS

South African and/or Dutch experts

INTRODUCTION

Dredging is an important method to maintain navigation channels. The success of dredging projects lies in good planning, preparation (including set-up of dredging projects, tendering and permitting), organisation and logistics. This requires specific knowledge and skills for dredging works.

In this course, you are introduced to the background of Operation & Maintenance of water channels in urban areas and the role of dredging. The main steps of a dredging process are discussed. The participants learn various dredging techniques, like mechanical and hydraulic dredging.

Special attention is paid to the dredging process during the work, for instance: monitoring, sampling and analysing of water, bottom and sludge. The participants get familiar with sludge quantity and quality and the potential danger of the dredging process. Finally, the importance of quality, safety (for the worker himself, for colleagues, for passers-by, infrastructure and buildings) and environmental issues are highlighted.

CONTENT

The course covers these topics:

- Introduction of water systems and dredging in urban areas
- Organization of dredging activities
- Dredging techniques for urban dredging
- Preparation of urban dredging works
- Survey and detailed design
- Logistics
- Execution of the dredging works
- Quality, Safety, Health and Environment (QSHE)

COURSE MATERIAL

Hand-outs of the presentations, Handbook, exercises and further background information.