



# Pumps and slurry transportation course

Pumping slurry is a complex and important process. During the training course, emphasis is put on the hydraulic transport of solid-water mixtures with centrifugal pumps and through pipeline systems.

## Target audience

This course is created for project engineers, R&D engineers, design engineers and other individuals with a high level of technical education. Experience in the dredging industry is required. Participants need to be able to perform calculations in Microsoft Excel and use a scientific calculator.

## Training method

This course is practical and case-driven. Practical problems are used to teach the theoretical background of the pump and slurry transport processes. Cases are also used to improve the problem-solving skills of attendees.

## Training topics

The course will focus on different aspects of the pump and slurry process, such as:

- dredge pump and drive characteristics
- dynamic effects (pump and drives)
- pipeline systems
- the interaction between pump, drive and pipelines
- the influence of solid particles
- dynamic effects in the pump-pipeline systems
- the fundamentals of hydraulic transportation and dredge pumps.



### Learning goals

- proper analysis in the process of hydraulic slurry transport
- performing pump calculations
- assessing the interaction between pump, drive and pipelines.

### Course material

Participants will receive the training content digitally.

### Certificate

Participants will receive a certificate of attendance following completion of the training.

### Language

English.

### Duration

The training takes four full days.

### Location

The training is held at the Royal IHC construction yard in Kinderdijk, the Netherlands.

### Training fee

The fee for this training is € 2,800,- per person. Full payment of the training fee must be received at least four weeks before the start of the course. 21% VAT is applicable to training provided in the Netherlands. *(This fee includes tuition, literature, lunch, and refreshments during all training days. Not included are costs such as transportation, hotel accommodation, meals, etc.)*

### Cancellation

- up to 12 weeks prior to the training: full reimbursement
- between 12 to 8 weeks prior to the training: 50% of the training fee will be reimbursed
- less than 8 weeks prior to the training: training fee is non refundable.

### Registration

For more information and registration, please email to: [training@royalihc.com](mailto:training@royalihc.com)