



# 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**

- analysing the processes involved in hydraulic slurry transport
- performing pump calculations
- assessing the interaction between pump, drive and pipelines.

**Course material**

Participants will receive extensive background information of the dredging industry.

**Certificate**

Participants will receive a digital certificate of attendance after the training.

**Language**

English.

**Duration**

This online training will take four full days.

**Training fee**

The training fee for this training is € 2,500,- per person. Full payment of the training fee has to be transferred to our bank account at least two weeks before the start of the course.

**Cancellation**

- cancellation up to 4 weeks prior to the training: full reimbursement
- cancellation between 2 to 4 weeks prior to the training: 50% of the training fee will be reimbursed
- cancellation less than 2 weeks prior to the training: training fee is non refundable.

**Registration**

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