

**DIGITAL SOLUTIONS****MOORING LINES ANALYSIS**

Course code: SE-20

Duration: 2 days

Prerequisite:

It is required that the participants are familiar with hydrodynamic analysis. No previous experience in use of Sesam is required, but it is beneficial to have some knowledge of Sesam's hydrodynamic tools HydroD and Wadam as used in SE-06.

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**DESCRIPTION**

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The course introduces the Mimosa tool for frequency domain analysis of mooring lines.

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**LEARNING OBJECTIVES**

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Learn how to analyse mooring lines.

The following topics will be covered:

- Modelling of vessel data and mooring lines
- Environmental load modelling
- Static and dynamic motion response analysis
- Transient motion analysis
- Dynamic positioning with thrusters
- Interaction with the Sesam suite of programs HydroD and Wadam
- Statistical post-processing of results

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**TARGET GROUP**

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Structural engineers / naval architects involved in design of mooring lines.