



## DIGITAL SOLUTIONS

# HYDRODYNAMIC ANALYSIS OF OFFSHORE FLOATERS

Course code: SE-05

Duration: 1 day

### Prerequisite:

It is required that the participants are familiar with hydrodynamic analysis and key stability parameters. Since this course does not cover the creation of models used in hydrodynamic analysis it is beneficial if the participants have knowledge of Sesam, as covered in either of the courses SE-01, SE-03 or SE-04.

## DESCRIPTION

This course focuses on hydrodynamic analysis and stability checking of floating structures based on relevant code check standards. The course is based on HydroD. Exercises in hydrodynamic analysis of a barge, a ship and a semi-submersible are included.

## LEARNING OBJECTIVES

Learn how to create different loading conditions by filling compartments, perform hydrodynamic analysis, assess key decision factors and perform stability code checks.

## TARGET GROUP

Naval architects involved in conceptual studies and detailed engineering of offshore floating structure.