Course code: SE-23  
Duration: 4 days

Prerequisite:  
It is required that the participants have attended SE-04 - alternatively SE-05, SE-06 or SE-16 - or have similar knowledge of use of GeniE, HydroD, Wadam and Sestra.

DESCRIPTION

The course focuses on direct hydrodynamic and strength analysis methods, global structural analysis and spectral fatigue calculations.

You will go through the process of carrying out global analysis with calculation of loads using GeniE, HydroD, Wadam and Sestra. Ultimate strength, local analysis and stochastic fatigue calculations are covered with practical examples using Cutres, Xtract, Puls, Submod and Stofat. The course focuses on practical use of the software tools in the analysis workflow.

LEARNING OBJECTIVES

You will learn how to perform all necessary steps of assessing the structural integrity of an FPSO.

TARGET GROUP

Structural engineers working with design of FPSOs.