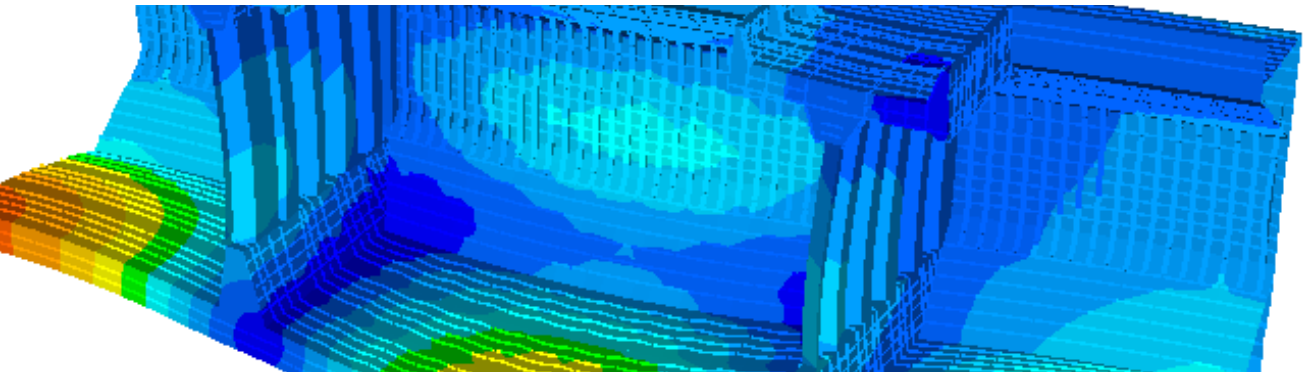

DIGITAL SOLUTIONS

CONCEPT BASED FE MODELLING OF SHELL STRUCTURES - ADVANCED

Course code: SE-04
Duration: 2 days

Prerequisite:
SE-01Concept based FE modelling and analysis using Sesam - Introductory or equivalent. The participants should also be knowledge-able in the importance of FE mesh qualities.

DESCRIPTION

This course focuses on concept modelling and analysis of floating shell structures and other shell structures for the purpose of structural analysis using Sestra. GeniE is the modelling tool. Exercises in concept modelling of a tubular joint, a crane pedestal and/or a semi-submersible are included. The course also covers advanced results presentation using Xtract.

LEARNING OBJECTIVES

Learn how to use the concept modelling technique of Sesam to create FE models of complex curved shell structures. Ephasis is put on how to create and tune the FE mesh. Also learn how to extract analysis results for inclusion in a report.

TARGET GROUP

Structural engineers involved in detailed design of fixed and floating offshore structures built up by plates/shells and stiffeners. The course is also relevant for engineers involved in FEED studies.