



DIGITAL SOLUTIONS

RISER ANALYSIS

Course code: SE-19

Duration: 2 days

Prerequisite:

No previous experience in use of Sesam is required.

However some basic knowledge in riser design and non-linear FE analysis is required. For extension to coupled analysis of riser systems, see SE-18.

DESCRIPTION

The course introduces the Sesam tools for carrying out riser analysis in time domain without the effects from a coupled analysis.

LEARNING OBJECTIVES

Learn how to analyse marine risers. The following topics will be covered:

- Concept modelling of riser
- Environmental load modelling
- Analysis of individual lines based on floater RAOs or time series from file
- Use of Reflex through DeepC
- Post-processing of time series results
- Fatigue analysis
- ULS code check of steel risers

TARGET GROUP

Structural engineers involved in design or verification of marine risers.