



## DIGITAL SOLUTIONS

# WIND INDUCED FATIGUE

Course code: SE-11  
Duration: 1 day

Prerequisite:  
It is required that the participants have attended SE-01 Concept based FE modelling and analysis using Sesam - Introductory and preferably also SE-09 Jacket analysis or have similar experience.

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### DESCRIPTION

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This course covers gust wind and vortex shedding induced fatigue analysis of beam structures. The main tool is Framework. Structure modelling is performed in GeniE, and computation of static wind loads is performed in Wajac.

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### LEARNING OBJECTIVES

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Learn how to create static wind loads in GeniE and Wajac, and how to use these loads in a gust wind and vortex shedding induced fatigue analysis in Framework. The exercise is based on a flare tower.

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### TARGET GROUP

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Structural engineers performing wind fatigue analysis of topside structures.