



DIGITAL SOLUTIONS

PROBABILISTIC FATIGUE ANALYSES AND INSPECTION PLANNING

Course code: SE-33

Duration: 2 days

Prerequisite:

SE-09 or similar knowledge of wave induced fatigue analysis is very relevant for this course, but not essential.

DESCRIPTION

This course is intended for users seeking to perform inspection planning optimizations or wave induced probabilistic fatigue analysis using either SN fatigue or a fracture mechanics approach.

LEARNING OBJECTIVES

You will learn the theoretical bases behind the features available in Profast, as well as how to set up wave induced fatigue analyses and/or optimized inspection planning.

Model creation inside Profast or import of a previous Sesam model will be dealt with in the workshops, in addition to the necessary input for the different types of analyses.

TARGET GROUP

Users who want to perform more detailed SN fatigue analysis using reliability methods or who want to perform fatigue analysis using fracture mechanics approach.

Users who want to perform optimized inspection planning or update reliability of the structure based on inspection planning.