



DIGITAL SOLUTIONS

PROGRESSIVE COLLAPSE ANALYSIS

Course code: SE-10
Duration: 2 days

Prerequisite:

It is required that the participants have attended SE-01 and SE-09 or have similar experience.

The participants should also have basic knowledge in non-linear structural analysis.

DESCRIPTION

This course covers ultimate strength and progressive collapse analysis of steel space frame structures using Usfos. Focus is put on plastic limit state analysis of jackets subjected to accidental loads (ship collision, dropped objects, fire and explosion) and extreme environmental loads (wave, wind and current).

LEARNING OBJECTIVES

Learn how to import models created by GeniE into Usfos and add non-linear data necessary to perform progressive collapse analysis. You will also learn how to present and understand the results. The exercise is based on a jacket.

TARGET GROUP

Structural engineers performing ultimate strength, accidental and life extension analysis of jackets.