



DIGITAL SOLUTIONS

NAUSICUS HULL RULE CHECK - INTRODUCING NEXT GENERATION MODELLING TOOL

Course code: NA-03
Duration: 1 day

Prerequisite:
Basic understanding of ship structures and hull strength. Knowledge about the frame analysis program 3D Beam, course NA-08, and the old version of Nauticus Hull, course NA-02, is an advantage but not required.

DESCRIPTION

Nauticus Hull is a ship structural analysis and design program for rule compliance checks on hull girder strength, and plate and stiffener scantling checks for a hull cross section. A new version of the program, including a new scantlings modelling tool and a new approach for compartment definitions, is introduced in 2018.

The main focus is on cross-section modeling and analysis executions. The course covers how to use the software for DNV GL Rules and Common Structural Rules for Bulk Carriers and Oil Tankers (CSR BC & OT).

LEARNING OBJECTIVES

After the course, you should be able to use Nauticus Hull to carry out compliance checks on the hull girder and cross sections according to rule requirements

The following topics will be covered:

- Describing ship particulars and main data
- Describing tank plan, compartments and loads
- Scantling modelling
- Prescriptive rule check analysis
- Fatigue analyses
- Results presentation

TARGET GROUP

Naval architects, designers, hull structural engineers and approval engineers with no experience in using the new version of Nauticus Hull for rule check analysis.