



DIGITAL SOLUTIONS

HYDROSTATIC AND HYDRODYNAMIC ANALYSIS OF SHIPS

Course code: SE-14

Duration: 3 days

Prerequisite:

It is required that the participants are familiar with hydrodynamic analysis and free surface problems.

DESCRIPTION

This course introduces the participants to our stability and hydrodynamics tool HydroD, supported by Wasim, Postresp and Xtract.

The course includes both hydrostatic and hydrodynamic analysis of ships, and statistical post-processing animation.

LEARNING OBJECTIVES

Learn how to perform hydrostatic analysis of a ship. Learn how to perform a global hydrodynamic analysis and transfer loads to a structural analysis using both linear frequency domain and non-linear time domain methods.

You will also learn how to do short-term statistical analysis in frequency domain and how to create animations of time domain simulations.

TARGET GROUP

Naval architects involved in conceptual studies and/or detailed engineering of any type of ship.