



## SOFTWARE

# NAUTICUS MACHINERY TORSIONAL VIBRATION BASIC

Course code: NA-12

Duration: 1 day

Prerequisite:

Some understanding of torsional vibration analysis inclusive excitation models for engine and propeller.

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## DESCRIPTION

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The course covers all parts of Nauticus Machinery Torsional Vibration intended for steady-state torsional vibration analysis in direct coupled or geared propulsion systems.

The course will include hands-on training with relevant models. Different types of propulsion systems such as electric, gas turbine, diesel engine and geared systems are covered.

The following topics are covered:

- Create mass elastic model
- Stiffness and damping calculators
- Acceptance criteria
- Define load cases
- Calculation and reporting

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## LEARNING OBJECTIVES

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We focus on use of the software in this basic course. It means that general theory or Classification Rules are covered. Throughout presentations and hands-on training you will learn how to use Nauticus Machinery Torsional Vibration effectively.

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## TARGET GROUP

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Naval architects, designers, ship yards and approval engineers with no or limited experience using Nauticus Machinery.