

## STRUCTURAL TRAINING COURSES

### STRUCTURAL TRAINING

The training will have a total duration of 3 working days and will cover the main Structural modules. The manager area, with regard to database operations, will also be addressed although with relative depth adjusted to a more hands-on approach.

It will focus on modeling and interacting with ShipConstructor tools inside AutoCAD environment with the goal of introducing most commands and features and provide for workflows, procedures and best practices, while retaining the high adaptability of the software to adjust to new demands.

For this training, it is advisable that the users have already some acquaintance with some of the disciplines and basic AutoCAD usage.

The following disciplines will be covered:

<b>Discipline</b>	<b>Main topics</b>
Hull	Create and import surfaces, create marklines, produce planar groups from hull trace lines, cut and expand plates, produce twisted stiffeners, use stringer shells.
Structure	Plate parts, stiffeners, faceplates, flanges, standard parts, green material, interference checking, weld shrinkage, part relationships, beveling, product hierarchy, naming convention, bill of materials.
Output drawings	Assembly drawings, nest drawings, nesting profiles, profiles and bended profiles info.
Report	Create and extract reports, export and import reports
Manager	Main data base definitions for previous disciplines.

### ADVANCED TOOLS TRAINING

The training will have a total duration of 3 working days and will cover the advanced feature in the Structural modules plus weld management, equipment, marine drafting, publisher LT and NC-Pyros.

It is recommended that the users have undergone the previous Structure training or that are already proficient users in the structure modules.

The following disciplines will be covered:

<b>Discipline</b>	<b>Main topics</b>
Hull	Create surfaces, usage of curve blocks, managing the hull drawings
Structure	Corrugated plates, standard assemblies, dynamic marking, Planking, review naming convention and bill of materials.
Weld Management	Apply weld management, define weld paths
Output drawings	Templates, pin jigs, NC-PYROS, marine drafting
Report	Review, link to excel
Manager	Full database customization, Administrator, Create new project, copy projects, define users, deploy projects and packages.
Equipment	Define equipment, Project Equipment List, relationship and connections with structure and systems.
Publisher LT	Concept, usage.