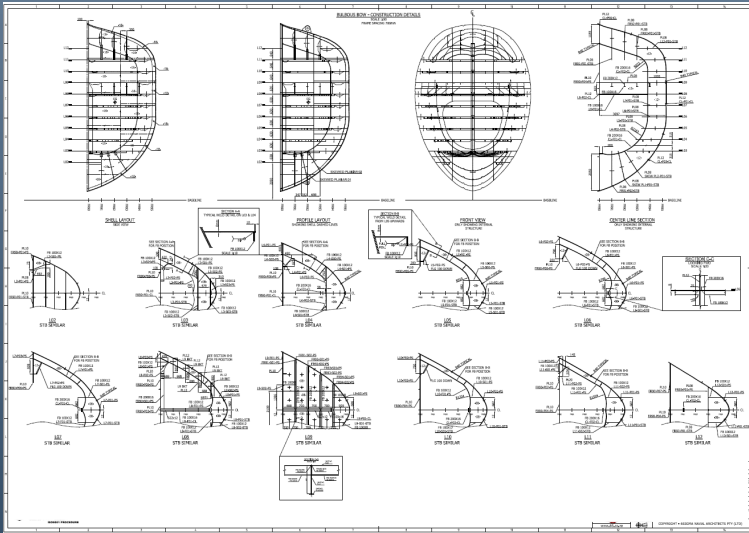


Planning & Production of Marine Drawings with SSI ShipConstructor

Who Should Attend?

This course is aimed at both novice and professional draughtsmen, including other professionals in the marine industry wanting to further their careers in marine draughting, ship building and design. This course makes use of SSI's internationally acclaimed ShipConstructor software as the primary CAD software.



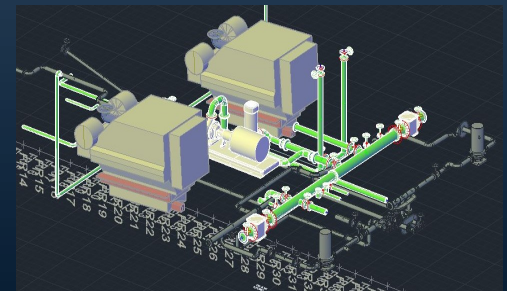
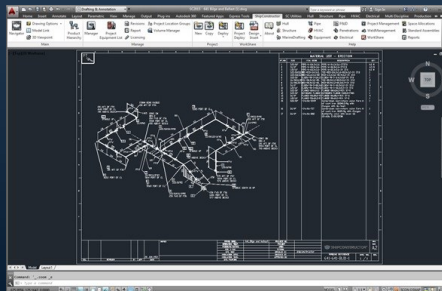
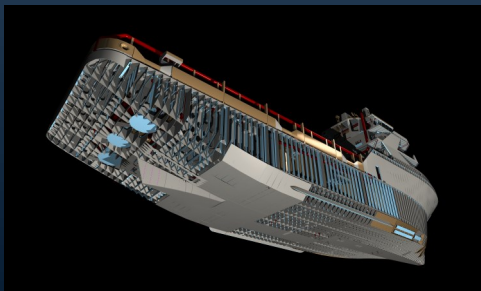
Why Attend?

As a candidate enrolled in the Planning & Production of Marine 2D CAD Drawings Using SSI ShipConstructor you will be able to, on completion of this course, do the following:

- Prepare the computer environment for using SSI ShipConstructor software on either your work or personal computer.
- Produce 3D models and 2D CAD production drawings of ship structures using SSI ShipConstructor.
- Verify the interpretation of job requirements by means of generating reports, documentation, profile information, Bill of Materials, welding information, and drawings.
- Adding additional detailing to production drawings using SSI ShipConstructor including the nesting of parts on plates with available plate sizes, generating CNC cutting information and NC Codes for parts, as well as various types of output information.

About the Course:

This 4 week course will provide any draughtsman, engineer, technologist, technician or other entrants, with a basic knowledge of Auto-CAD, considering a career within the marine and ship building industry with comprehensive knowledge on the use of SSI ShipConstructor for the creation of ship production drawings from generated 3D ship models. Candidates will not only gain valuable marine draughting experience, but will receive internationally accepted certification from SSI as a Certified Specialist upon completion, all whilst being coached by a certified ShipConstructor Professional.



Each candidate will receive 14 bound Module Guides that will contain all the information discussed by the course facilitator, as well as step-by-step guidance in completing each Module. The course material has been specially developed by SSI to ensure that a holistic understanding of ShipConstructor is achieved.

Module Content:

PREPARING THE COMPUTER FOR USING SHIPCONSTRUCTOR SOFTWARE	
Software selection <ul style="list-style-type: none">• Install ShipConstructor software• Generate license token• Activate license files• Deploy project• Customization of user interface (CUI)	<ul style="list-style-type: none">• Native drawing format• User is shown the CUI file• How to save workspace settings• Drawing parameters• ShipConstructor and AutoCAD design tools• Setting up templates
Catalog setup <ul style="list-style-type: none">• Adding users to projects• Assigning rights• Material library	<ul style="list-style-type: none">• Stock catalog• Drawing contains specified parts• Production Output• Naming convention
Hull shape <ul style="list-style-type: none">• Creation of hull surfaces• Hull drawings	<ul style="list-style-type: none">• Hull surface analysis• Developing hull plates
PRODUCE 2D CAD DRAWINGS	
Structure <ul style="list-style-type: none">• Planar groups• General modelling concepts	<ul style="list-style-type: none">• Construction lines• Plate parts• Detailing of parts
Drawings layout <ul style="list-style-type: none">• Title block is populated• Drawing updates• If drawing is not satisfactory to client or engineer's specification, student will need to perform updates to drawing where specified.	<ul style="list-style-type: none">• Drawing notes/ title block• Student adds annotations & dimensions• Drawing hard copy is printed to scale• Drawing is reviewed• Drawing changes are applied
JOB REQUIREMENTS	
Multiple sheet drawing layouts <ul style="list-style-type: none">• Assembly drawings• Labelling of viewports	<ul style="list-style-type: none">• Bill of materials• Drawing templates are setup in accordance to job requirements & organizational procedures
Reporting <ul style="list-style-type: none">• Generating reports	<ul style="list-style-type: none">• Creating report definitions• Editing report definitions
Profile information <ul style="list-style-type: none">• Profile plot templates	<ul style="list-style-type: none">• Creating profile plots• Compiling profile book for production
Profile Nesting <ul style="list-style-type: none">• Generate report of material needed	<ul style="list-style-type: none">• Automatic nesting• Manual nesting
Welding details <ul style="list-style-type: none">• Weld standards	<ul style="list-style-type: none">• Weld schedules• Weld symbols
CAD commands <ul style="list-style-type: none">• Commands to produce drawings• Procedure to using these commands• Generating drawings• Drawing requirements• Views are generated• Views are to scale• Views are detailed	<ul style="list-style-type: none">• Design requirements• Drawing contain critical dimensions• According to builder's build strategy• Drawing criteria• Drawing is compared with client brief and instructions• Update drawings• Drawing to fulfil job requirements according to engineer's specification
DETAILING DRAWINGS	
Plate Nesting <ul style="list-style-type: none">• Nesting parts on plates	<ul style="list-style-type: none">• Available plate sizes• Manual- automatic nesting
CNC information <ul style="list-style-type: none">• Import cutting information• Generating NC code for parts	
Output information <ul style="list-style-type: none">• Extract information from database	<ul style="list-style-type: none">• Automation of tasks• Add custom operations
CONCLUSION OF LEARNING OPPORTUNITY	
Conclusion <ul style="list-style-type: none">• Summary• What's Next	