

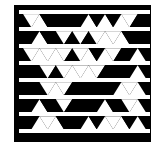


SHIPCONSTRUCTOR[®]

**CAD/CAM SOFTWARE FOR
SHIPBUILDING AND OFFSHORE PROJECTS**



To download a PDF of this document,
scan the barcode with your mobile device
or visit www.shipconstructor.com

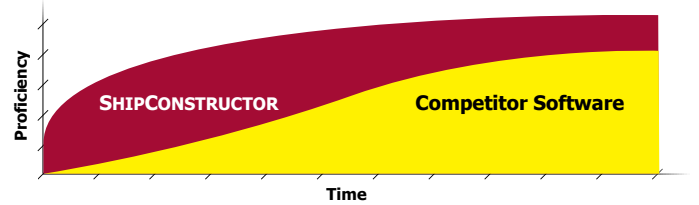


COMPETITIVE ADVANTAGES

ShipConstructor Software Inc. provides CAD/CAM software for the unique requirements of the shipbuilding and offshore industries. ShipConstructor integrates shipbuilding-specific capabilities with AutoCAD and a Microsoft SQL Server database. From super tankers and oil rigs, to workboats and naval warships, ShipConstructor provides a complete solution for production and detail engineering.

Quickly Find and Train Staff

ShipConstructor's AutoCAD foundation leads to a decrease in required training time. ShipConstructor is built on top of AutoCAD, one of the world's most widely used CAD programs. The AutoCAD foundation provides a population of skilled workers already familiar with the basic tools and general look and feel of the software. Additionally, ShipConstructor is a suite of products targeted specifically at the shipbuilding and offshore industries. This basic philosophy behind the technology allows clients to directly interact with the 3D product model of a ship or offshore project in a manner that is natural for their business. Users with a solid foundation of AutoCAD skills and a decent understanding of the industry are armed with the tools required to quickly become proficient with the software. Competing products are widely recognized as requiring as much as 400% greater training to achieve the same level of proficiency.



ShipConstructor's AutoCAD foundation decreases required training time

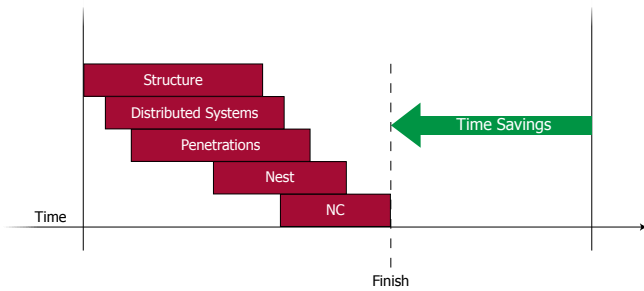
Shorten the Design Process

All departments utilize a single Marine Information Model with associated production output. This means all departments can work within the same model concurrently, responding to changes from other disciplines in real time. Production drawings are dynamically linked to the model so that when the model changes, drawings are automatically updated without any loss of custom detailing. Consequently the engineering team can start detailing production drawings much earlier.

Additionally, seamless integration with Autodesk Navisworks enables effective design review, allowing production staff to be brought into the design process earlier which can significantly reduce late design changes and errors in production.

Adapt to your business's specific requirements

ShipConstructor has created an open architecture and is committed to a best of breed approach to meeting the requirements of the shipbuilding and offshore industries. Integration and interoperability are supported by an open, accessible relational database with numerous API's (Application Programming Interface). This enables ShipConstructor to work with a variety of software packages including initial design, FEA, PLM and ERP applications. A natural byproduct of this commitment to collaboration is customization; the open architecture provides clients with the foundation to adapt the software and maintain a competitive advantage. In addition to ShipConstructor's own API's, clients can utilize the Autodesk ObjectARX API included with AutoCAD and currently in use by more than 2500 developers worldwide to customize the ShipConstructor product suite.



The ShipConstructor approach shortens the design process

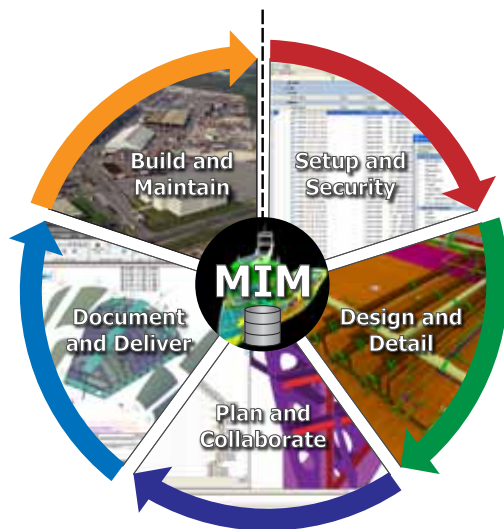
Communicate effectively with the Supply Chain

The native format of ShipConstructor is DWG which is one of the most common standards for data exchange. ShipConstructor can also consume and create virtually any format required for communication with associated service providers in the shipbuilding industry, including Autodesk DWG, DXF, DWF, SAT, STEP, IGES, and 3DM. This level of interoperability makes it far easier to import information from suppliers, manufacturers and subcontractors into ShipConstructor.

TECHNICAL DIFFERENTIATORS

Marine Information Modeling (MIM)

At the heart of the ShipConstructor suite of products is a single relational database residing on a Microsoft SQL Server. Any project's CAD, attribute and production information can be maintained in real time and accessed from any of the production design disciplines. In addition to design, engineering, planning, purchasing and scheduling activities, ShipConstructor's repository of information can be used for lifecycle activities including repair, maintenance and refit. This Marine Information Modeling concept is driven by an open architecture with extensive APIs to enable customization and interoperability with other applications.



Marine Information Modeling is at the heart of the ShipConstructor suite of products

AutoCAD Platform

ShipConstructor uses AutoCAD and other AutoCAD verticals such as AutoCAD P&ID as the foundation for shipbuilding and offshore specific capability. The software maintains the familiar AutoCAD user experience across all engineering disciplines.

AutoCAD is widely used as a 3D design and drafting tool in many industries which has led to a significant number of exchange formats (IGES, STEP, DXF...) that, in addition to DWG, allow interoperability with other software and processes. Additionally, the longevity of AutoCAD has led to continual improvements in the software so that it is now widely considered to have the best available drafting capabilities. These tools can be applied by any ShipConstructor client to further detail the automatically generated production drawings available in ShipConstructor.

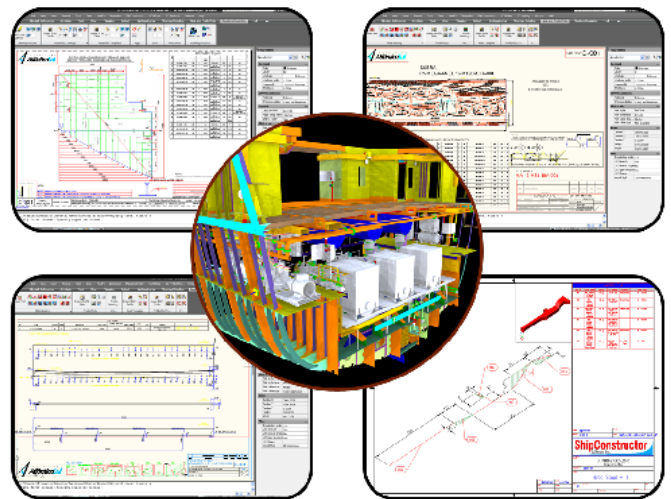
AutoCAD contains extensive capabilities for customization and software development and there are more than 2500 3rd party developers, including SSI, using the AutoCAD Object ARX API to develop and customize products on the AutoCAD platform.

“We chose ShipConstructor over the competition because of the integration with AutoCAD.”

Mr. Darrell Harvey, Vice President, Alan C. McClure & Associates Inc., USA,
ShipConstructor User since 2003

Associative Production Output

Production output is automatically created in DWG format and remains intelligently linked to the 3D product model even once it has been customized. The types of output ShipConstructor generates include 2D shop drawings, 3D assembly drawings, pipe and HVAC spool drawings, arrangements, profile plots, and plate and profile nests. Each of these drawings can be generated based on user configurable templates and include information such as bills of materials, production data, and other user defined information that has been incorporated into the product model. As the product model changes, production drawings which have already been generated and modified can be automatically updated on demand. This ability allows these drawings to be created much earlier in the design process.



ShipConstructor's Associative DWG technology allows changes in the 3D model to be reflected in production documentation

NavisWorks 3D Visualization and Design Review

ShipConstructor models can be opened directly in the Autodesk Navisworks 3D visualization program and a Navisworks model can be created directly within ShipConstructor using native AutoCAD technology. The Navisworks model contains all of the attribute information available from within ShipConstructor, e.g. clicking on a valve provides information about the manufacturer, system, TAG number and more. This intelligent virtual reality model can be used for interference checking, client walkthroughs and personnel training as well as design review, effectively shortening the design process and reducing costly errors that might otherwise make their way to production.

FROM CONCEPT TO LAUNCH

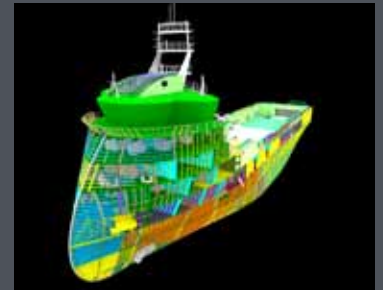
SETUP & SECURITY

- Administrate Users & Security
- Manage libraries and standards
- Exchange data with other applications



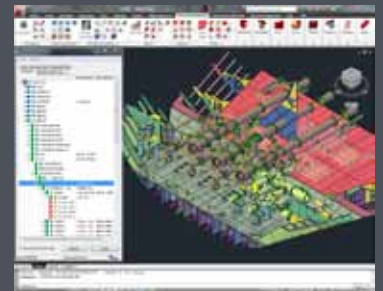
DESIGN & MODEL

- Initial Design
- Hull (fairing & lofting)
- Structure
- Pipe
- HVAC
- Equipment
- Penetrations



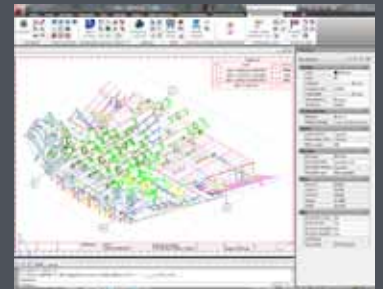
PLAN & COLLABORATE

- Product Hierarchy
- Virtual Walkthrough
- Integrate to ERP
- Interference Checking
- Project Split & Merge



DOCUMENT & DELIVER

- Assembly Drawings
- Spool Drawings
- Arrangement Drawings
- Production Reports
- Data Management



BUILD & MAINTAIN

- Plate Nesting & NC Processing
- Profile Nesting
- Walkthrough on Shop Floor
- Integration with Production Processes
- Utilize Project Database for Product Lifecycle Management (PLM)



SETUP & SECURITY

Production standards are different at every company and it is of vital importance that these standards are adhered to and that change to the standards is a tightly controlled process. ShipConstructor stores these standards in a secure Microsoft SQL Server central database and controls changes to these standards, and changes to the entire project, using built in user permissions. Having this level of control allows the largest projects to be finished on time and on budget.

Central Libraries

Each department (Structure, Pipe, HVAC,...) is in charge of the creation of a central stock library. Maintenance and cooperation with outside parties are simplified using XML based importing and exporting capabilities. Furthermore, this allows for building a central repository for all stock from which project specific libraries can be easily built, providing very quick project startup and correct stock information. Each stock item can be expanded by adding freely definable user attributes such as cost and lead times. Using the API to integrate with any business process, truly unleashes the power of the ShipConstructor DDROM model.

Manager Features

- Project Settings
- Flexible User Permissions
- Stock Naming Conventions
- Part Naming Conventions
- Model Naming Conventions
- Materials
- Finishes
- Insulation
- NC Machines
- Pipe Benders
- Structural Stock Catalog
- Pipe Stock Catalog
- HVAC Stock Catalog
- Equipment Standard Library

- Parametric Standards
 - Standard Brackets
 - Plate Flanges
 - Endcuts
 - Cutout Shapes
 - Corner Treatments
 - Stiffener Profiles
 - Plate Green
 - Profile Green
 - Markline Styles
 - Piecemark Styles
 - Bevel

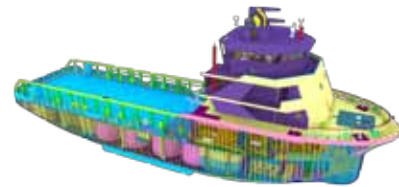
“In the last decade, ShipConstructor has gone from a simple surface modeling tool to an innovative and comprehensive shipbuilding software suite.”
 Mr. Michael Complita, Project Manager, Production Support Division, Elliott Bay Design Group, USA
 ShipConstructor User since 1991



Structure Stock Library

Standards Based

At the heart of the ShipConstructor philosophy is a “create once, use many times” concept. One example is the large number of parametric standards that can be defined for use in a SmartShip model; these include flange definitions, equipment items, piece marking, and hundreds more. Changes to any of these standards will be reflected automatically throughout the model and all production documents. A change late in the design process can be easily implemented in one location, and you can be sure that it will be updated everywhere.



Peace of Mind

Knowing their data is secure and manageable allows clients to focus on the other things that will make their organizations successful. Utilizing the security and data management strategies available with proven Microsoft SQL Server technology gives them peace of mind. ShipConstructor extends these abilities with project-specific user permissions and comprehensive revision tracking. The group-based user permissions in ShipConstructor allow or deny access to specific portions of the shipbuilding process.

Project Snapshot

**50,000 DWT
Container Ship**

- **Designer:** Shanghai Design Associates, China
- **Builder:** Zhejiang Shipyards, China
- **Overall length:** 265m
- **Service speed:** 24.5 knots
- **TEU Capacity:** 4,250



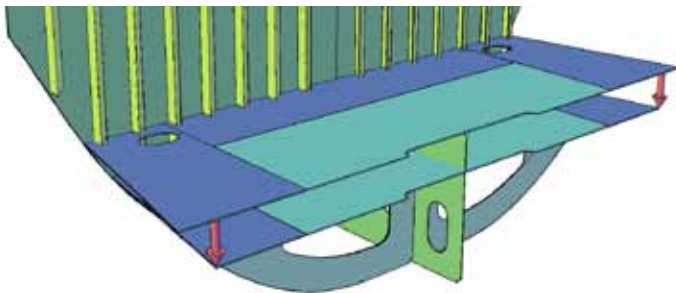

DESIGN & MODEL

The ShipConstructor solution provides a comprehensive suite of design and modeling tools from importing initial designs through to the completion of the detail design phase and machine-ready NC files. These tools promote concurrent engineering practices, which greatly decreases the length of the design cycle. The ShipConstructor “create once, use many times” philosophy is used everywhere to ensure that information created at one stage in the process is carried over into later stages. This not only reduces the time required for each stage but reduces overall costs due to reduction in the number of potential errors that can be introduced.

“ The product to me ‘thinks shipbuilding’. It is intuitive and it thinks like a designer as if they are using their own hands. ”

Mr. Arkadiy Zagorskiy, Deputy General Director, Work Preparation, Marine Technologies Ltd., Russia
ShipConstructor User since 2001

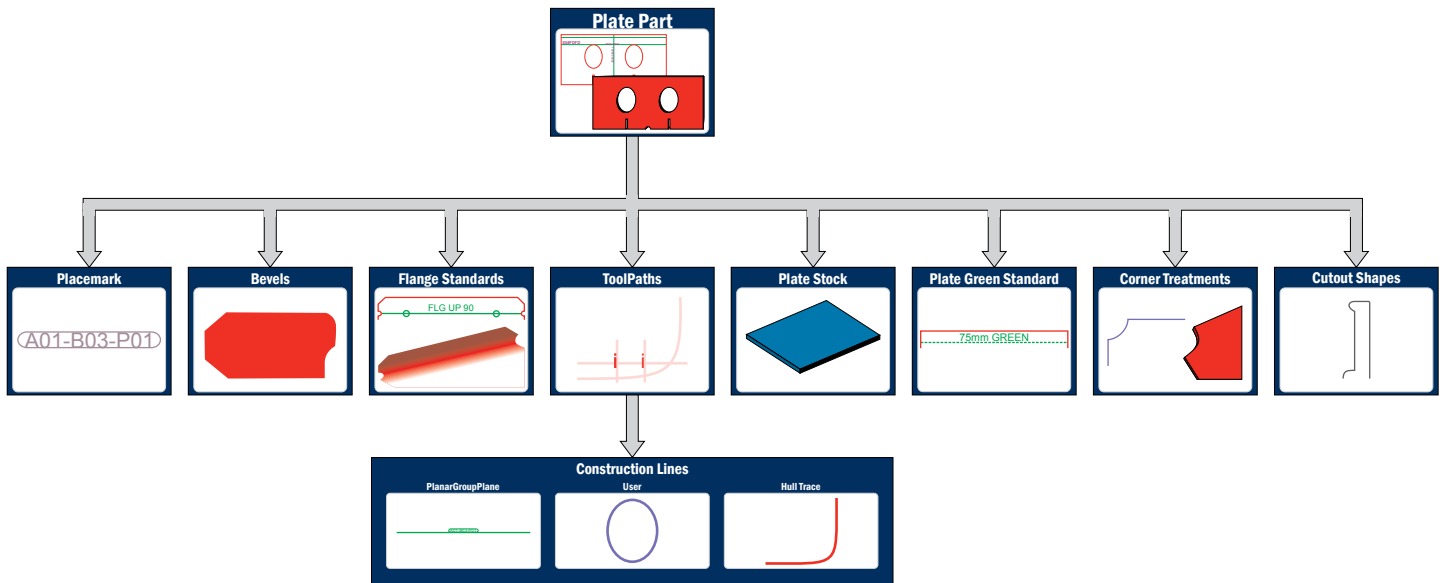
Database Driven Relational Object Model™ (DDROM™)



Moving a deck with ShipConstructor DDROM™

The innovative ShipConstructor DDROM technology brings parametric modeling functionality to ShipConstructor without diminishing the intuitive, natural feel that ShipConstructor software is known for. The DDROM does not just reduce the time it takes to finish modeling; it reduces errors that are often introduced when changes are made resulting in further cost savings.

DDROM™ Parametric Parts



Initial Design

A ShipConstructor solution does not always begin with ShipConstructor products. Due to its open system concept, design data from all initial design and engineering packages can be carried forward to the detail design phase. Many of these packages are already in use in the industry, minimizing the disruption of moving to a new software system. Most notable of these packages are: Maxsurf from Formation Design Systems, Australia, NAPA by Napa Group, Finland. Many of these products integrate directly with the ShipConstructor Hull and Structure modules allowing a seamless transition from initial to detail design.

Class Approval Design

ShipConstructor's DDROM and SmartParts technologies allow easy changes of standards and of general design features. You can now easily convert the initial design into a 3D design model and extract 2D class drawings. ShipConstructor allows you to implement even significant design changes efficiently and safely.

Detail Design

Each ShipConstructor detail design module has been designed in conjunction with industry experts to provide powerful, flexible tools that not only get the job done, but feel like the right tool for the job. ShipConstructor relies on proven AutoCAD technology and leverages the wealth of AutoCAD experience that already exists in the industry. This significantly reduces the time it takes to migrate to a ShipConstructor solution and simplifies data exchange with other parties.

Project Snapshot

Blue Princess Star

- **Designer:** Intersection Design, France
- **Builder:** Baglietto Shipyards, Italy
- **Overall length:** 34.5m
- **Maximum speed:** 36 knots
- **Fuel Consumption:** 1000 litres/hour



“Using ShipConstructor to its full potential will result in a considerable reduction of man hours on the shop floor.”

Mr. Roel Carboex, Manager Engineering Department, Eltink's Scheeps en Jachtwerf B.V., The Netherlands
ShipConstructor User since 2002

Detail Design Features

Hull

- Shell Expansion
- Plate Expansion
- Stringer Layouts
- Pin jigs

Structure

- Parametric Modeling
- Design of Frame, Longitudinal and Deck members
- Standard parts
- Corrugated bulkheads
- Weld shrinkage
- Plate and Profile green
- Automatic stiffener cutouts

Pipe & HVAC

- Parametric Modeling
- Intelligent routing
- Logical connections
- Spec driven
- Intelligent change engine
- Equipment Connections
- Offset routing

Penetrations

- Penetration creation
- Automatic hole creation
- Approval Process
- Spec driven
- Accessories

Equipment

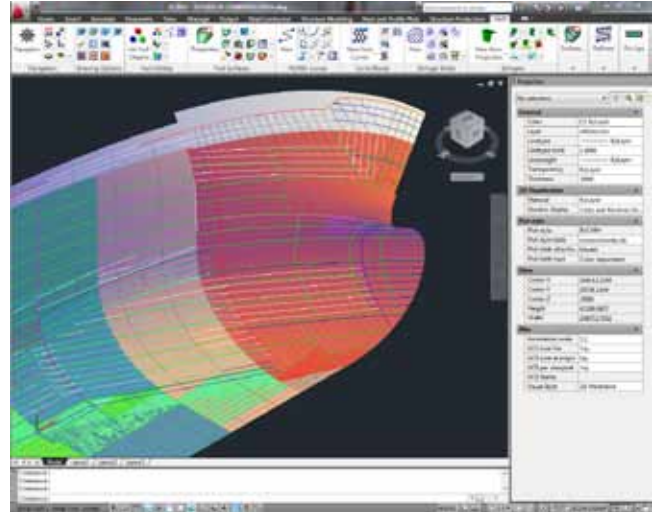
- Placing of equipment items
- Pipe connections
- HVAC connections

DESIGN & MODEL_(CONTINUED)

Hull

Hull combines proven ShipCAM surfacing technology with new smart surface objects and the simplicity of working inside of AutoCAD. This brings together the best of two worlds, allowing for easy and intuitive creation and manipulation of complex surface models in Hull while also allowing the freedom to use standard AutoCAD drafting techniques.

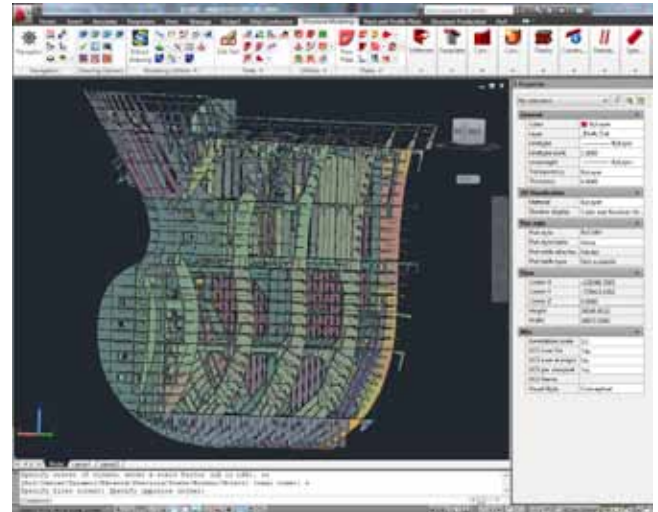
Hull provides powerful features such as surface-surface intersection, surface trimming, plate expansion, structural section definition, shell expansion, shell stringer definition, offset book printing, and pin jig drawing generation. The data designed in the external hull production model flows freely into the Structure module.



Structure

Structure combines 3D structural production detailing with the ease of 2D drafting. With the introduction of the DDRM, ShipConstructor users now enjoy the benefit of parametric structure modeling. Individual drafters working in planar groups develop a 3D product model and parametric relationships while using basic AutoCAD functionality.

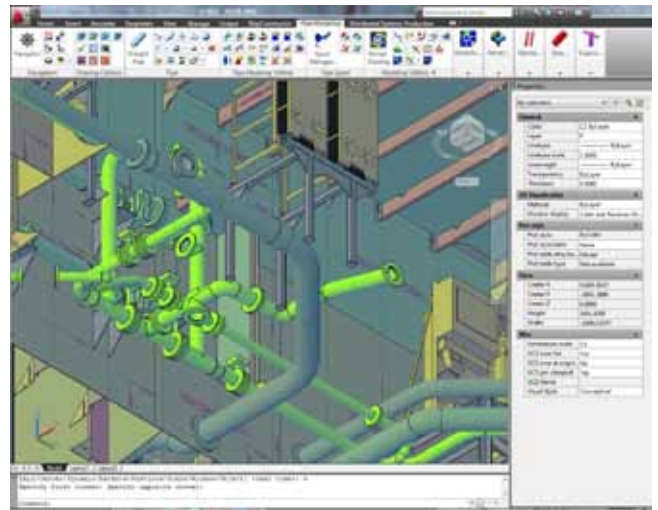
The Structure module provides many shipbuilding specific CAD features such as plate part, stiffener faceplate, and corrugated plate modeling. Other features include dynamic stiffener cutouts, parametric plate flanges, standard brackets, plate bevel information and many more.



Pipe

Pipe is a complete 3D production modeling package for pipe systems. Pipe modeling is based on a parametric catalog of stocks and standards. All connections between pipe items are verified against the catalog before allowing the connection to be made. A powerful constraint-based modeling technology allows intuitive changes to parts in a piping system while intelligently modifying connected parts.

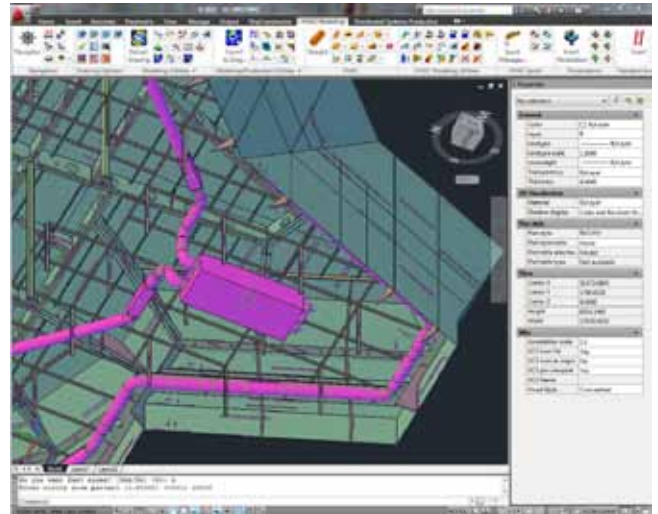
It is easy to create complex pipe runs relative to structure - no matter if center-line, bottom-of-pipe, or top-of-pipe routing is preferred. Any pipe item or run can be equipped with surface finishes or insulation. Pipe spools are logically designed in preparation for the automatic creation of spool drawings.



HVAC

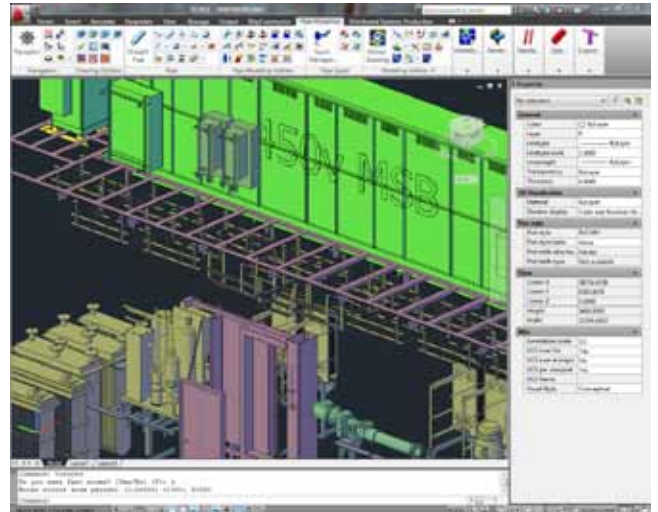
Similar to the Pipe module, HVAC (Heating, Ventilation and Air Conditioning) integrates with all of the other ShipConstructor modules and encourages collaboration between departments. HVAC modeling can be based on a parametric catalog of stocks or can be driven by on-the-fly stock creation depending on the clients needs. HVAC employs the same constraint based modeling engine used in ShipConstructor Pipe.

It is easy to create complex HVAC runs relative to structure, no matter if the center line or any side of the duct is used as the reference plane. Any HVAC item or run can be equipped with surface finishes or insulation. HVAC spools are logically designed in preparation for the automatic creation of spool drawings.



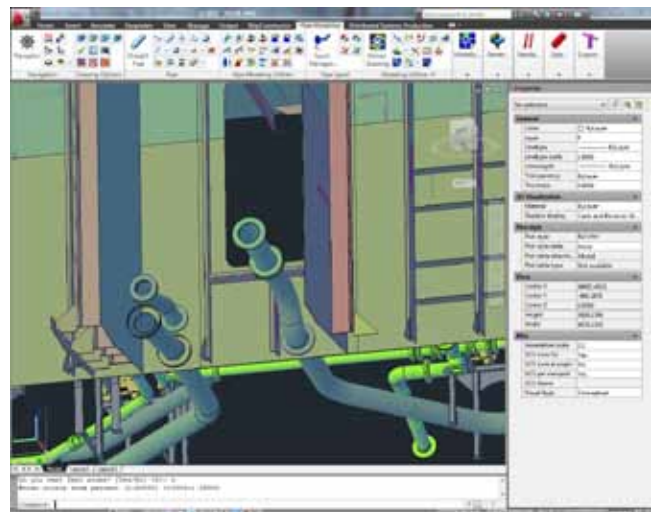
Equipment

ShipConstructor Equipment provides the ability to insert any type of equipment item into a ShipConstructor model. The equipment items can be modeled in almost any modeling software and then incorporated into the ShipConstructor database. At this point, HVAC and Pipe connections are added as well as production specific attribute information. Once standards have been defined, they are ready to be placed in the model.



Penetrations

The Penetrations Module allows the creation of intelligent penetrations through structural members. The parametric and spec-based penetration standards support many powerful features such as multi-pipe (and HVAC) penetrations and penetration accessory items. Each penetration is required to go through an approval process, which is controlled by the user permissions system in ShipConstructor. Both penetration standards and the approval process serve to reduce costs by minimizing costly rework due to avoidable errors.



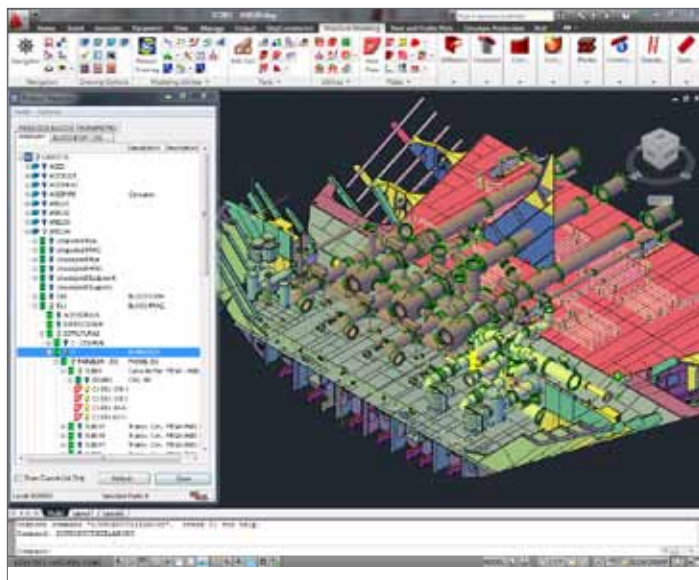
PLAN & COLLABORATE

ShipConstructor is designed from the ground up as an information management system to foster collaboration between disciplines. It has been found that production planning plays a much more integral role in the 3D modeling process, allowing for design optimization for production. Built-in functions such as ProductHierarchy, interference checking, instant reporting of weight, CG, or material lists and external integration such as the NavisWorks walkthrough simplify the preparation of the detail design model for production processing.

ProductHierarchy

The ProductHierarchy module is ShipConstructor's hub for production preparation. The build strategy is the primary product hierarchy, which defines the assembly sequence for the project. Every part produced in each of the various modules has a place in the Build Strategy. Planning and scheduling departments define the Build Strategy to optimize the logical sequence of assembly based on production capabilities together with need-by and procurement dates. ShipConstructor users report tremendous cost savings generated by implementing a better production planning process. All ShipConstructor production output functions are driven by the Build Strategy, allowing for near-automatic generation of production drawings and ease of work during such processes as just-in-time nesting.

New to ShipConstructor is the ability to define other hierarchies than the Build Strategy. These other product hierarchies can include hierarchies for Ship Work Breakdown Structure (SWBS), compartment definition, finite element analysis or anything else that may be required.



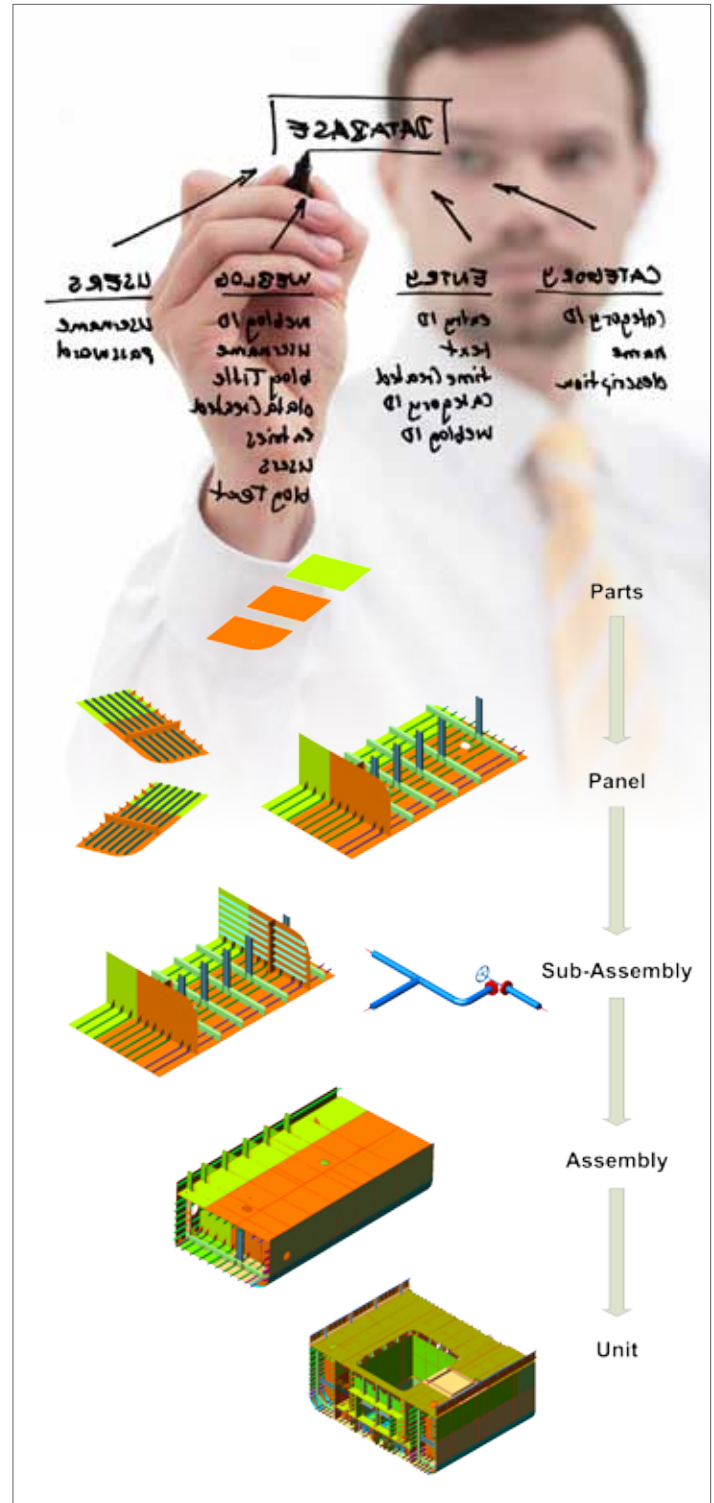
ProductHierarchy Drawing

ProductHierarchy Features

- Visual format
- BuildStrategy assembly sequence
- Multiple product hierarchies
- Drives production processes
- Automatic part renaming based on location

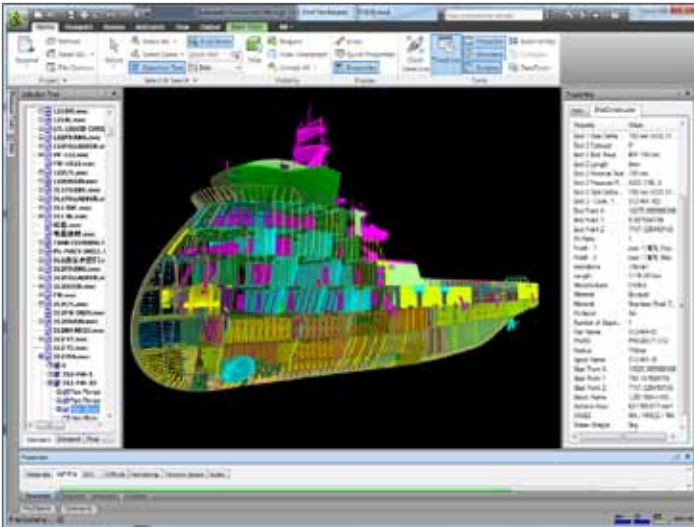
“I was able to get up and running on the software very quickly. The program is user friendly and we intend to use ShipConstructor on all our future projects.”

Mr. Surasee Yudhasaraprasithi, Naval Architect, Midas Marine Consultants Co., Ltd., Thailand
ShipConstructor User since 2005



Virtual Walkthroughs

ShipConstructor is tightly coupled with NavisWorks JetStream, allowing walkthroughs and inspections of the model at any time. The NavisWorks model also displays ShipConstructor attribute information for each part.



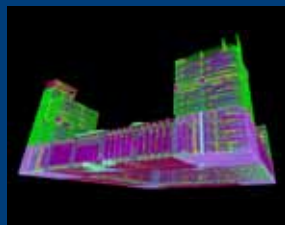
NavisWorks walkthrough

Modellers from the various departments can load large composite models not only from their own discipline, but also from other disciplines. This gives them a clear picture of the overall design challenges and they are able to make better modelling decisions. Regular review meetings of the various disciplines and the engineering manager provide an insight into modelling progress and an opportunity to discover problem areas. Meetings with production staff early on allows them to provide their expertise. Finally, production workers can be given direct read-only access to any part of the project model over the company network. Taken together these steps provide significant savings for each and every project.

Project Snapshot

P-55 Semi-submersible Production Platform

- **Designer/Builder:** Estaleiro Atlantico Sul (EAS) Brazil
- **Metal Consumed:** Hull will consume 21,000 tons of steel
- **Operation Location:** Will be anchored at the Roncador field at a depth of 1,790m
- **Production capacity:** 180,000 barrels per day
- **Operation Date:** Scheduled to begin in 2012



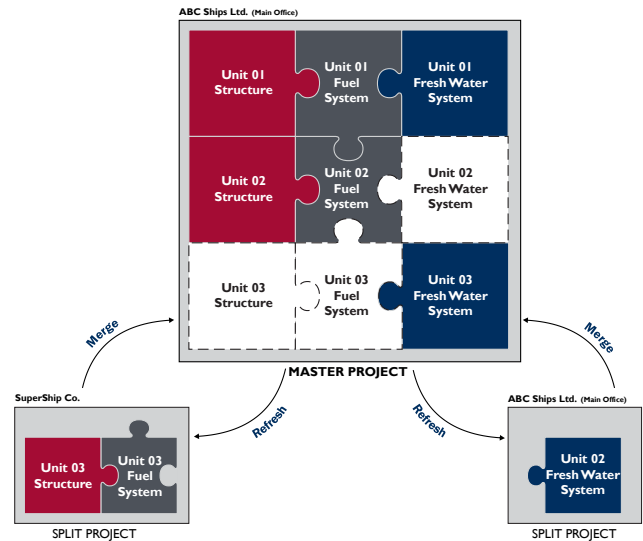
“The product is now a leader in the field; we feel lucky that we selected ShipConstructor early on.”

Mr. Lucas Boissevain, Company Secretary, Mustang Marine (Wales) Ltd, UK
ShipConstructor User since 2003

Project Split & Merge

ShipConstructor goes beyond the ability to collaborate within a single organization. With the exciting Project Split & Merge module, portions of the model can be split into separate projects. Completed work on the split projects is re-integrated into the main project as if the work was performed on site. Now many parties can work on the same project safely. The two major uses of the Project Split & Merge module are a sub-contracting scenario and a staged delivery scenario.

In the sub-contracting scenario, a yard decides to use sub-contractors A and B to meet an aggressive delivery target. The yard splits off the complete engine room (structure, pipe, HVAC, equipment) to sub-contractor A and the HVAC routing of the remaining vessel to sub-contractor B. Each sub contractor now works independently on their assigned areas. Both subcontractors periodically send their work to the yard where it is merged back into the main project. Thus the yard remains up to date on the progress made. In return, the yard sends periodic updates to the sub-contractors allowing them to work with the latest model data.



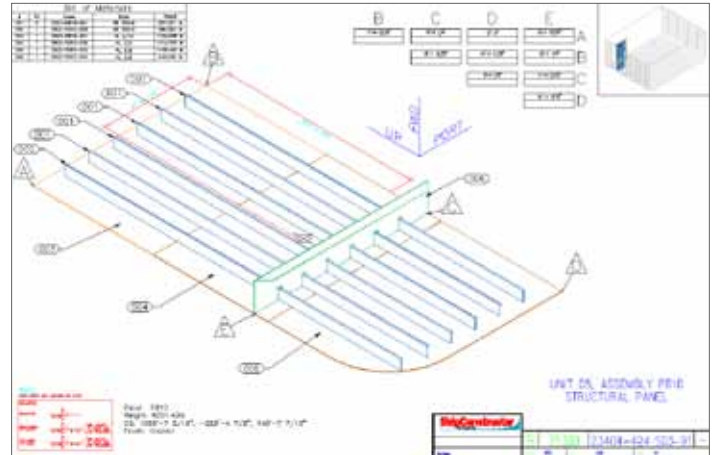
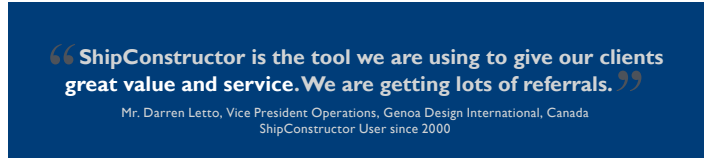
In the staged delivery scenario, a design agent is contracted to perform the 3D modeling work for a vessel. However, the yard wants to keep control over production planning and the generation of production drawings and reports, as well as making last minute changes to the model. To accomplish this, the design agent delivers the project on a unit and /or discipline (structure, pipe, HVAC, equipment) basis. As the design agent's work progresses the control of individual units and/or systems is passed to the yard together with the data. This allows the yard to stay in full control of all production related issues and maintain a single product data model. At the end of the work the two projects at the designer and yard offices can be disconnected and continue an independent 'life'.

DOCUMENT & DELIVER

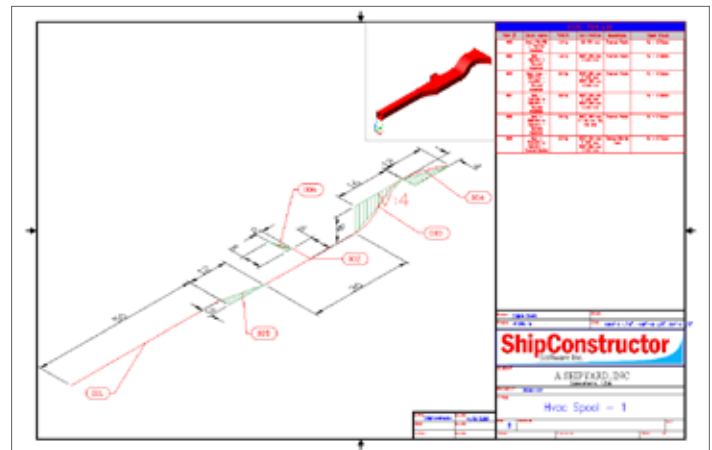
ShipConstructor automatically generates a wide range of customizable production drawings and reports from the DDROM model. All of these documents are linked to the product model, allowing for easy updates when changes happen. ShipConstructor has new features in this area designed to minimize the number of errors that get to production and reduce the amount of time it takes to create quality production materials.

Production Drawings

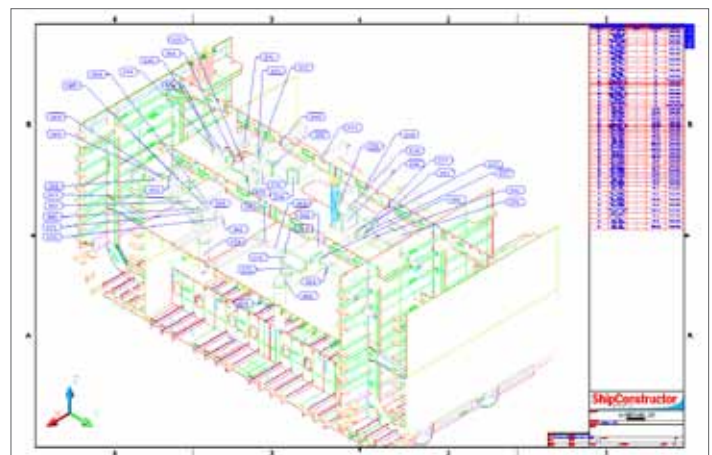
ShipConstructor provides many types of automatically generated and annotated production drawings complete with user-defined Bill of Materials (BOM). Late changes to the production model require updating many production drawings. During this process, only the changed parts are updated leaving all customization work done to the drawing intact. This allows production documentation to be started early, fostering concurrent engineering resulting in shorter time to production. ShipConstructor reports the production drawings, which need to be updated after a design change, ensuring that only up-to-date production documents are released.



Assembly Drawing



Spool Drawing



Arrangement Drawing

Features of Production Drawings

Hull

- Forming template creation
- Pin jig creation

Structure

- Automatic Assembly drawings
- Approval drawings
- Product Hierarchy drawings
- Plate Nest drawings
- Automatic Profile Plot drawings
- Weld information
- Automatic indication of Center of Gravity Location

Pipe

- Automatic Pipe Spool drawings
- Automatic Arrangement drawings
- Automatic construction drawings for Pipe Supports

HVAC

- Automatic HVAC Spool drawings
- Automatic Arrangement drawings

Penetrations

- Automatic detailing of Pipe Penetrations in production drawings

Equipment

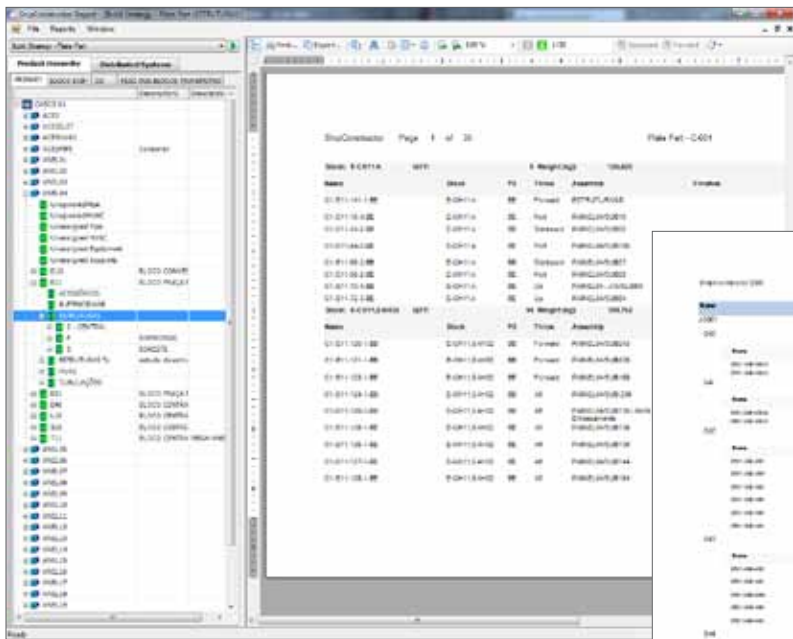
- Automatic Arrangement drawings

Report

Report is a flexible and powerful tool for generating non-graphical production information. The Report module allows for the definition and maintenance of complex production detail reports that are generated from the central project database on demand. With advanced features such as grouping, sorting, summary fields and full control over the visual aspects of the report, this tool provides the means to extract the information required for the entire team. Furthermore, any report can be exported to Microsoft Excel as well as other formats for further calculation and analysis.

“In the last decade, ShipConstructor has gone from a simple surface modeling tool to an innovative and comprehensive shipbuilding software suite.”

Mr. Michael Complita, Project Manager, Production Support Division, Elliott Bay Design Group, USA
ShipConstructor User since 1991



ShipConstructor Report

Item	Code	Level	Material	Quantity	Unit Price	Total Price	Material %	Production %	Production %	Material %	Production %
100	100	1	Steel	10000	1000	10000000	100	100	100	100	100
100	100	2	Steel	10000	1000	10000000	100	100	100	100	100
100	100	3	Steel	10000	1000	10000000	100	100	100	100	100

Product Hierarchy Report

Project Snapshot

Littoral Combat Ship USS Independence

- Designer:** General Dynamics Bath Iron Works
- Builder:** Austal Ships Pty. Ltd., Australia and Austal Ships, USA
- Overall length:** 127.4m
- Hull:** Aluminum trimaran hull
- Speed:** 47 knots
- Total end cost:** \$507 million

Delivery Control

ShipConstructor has many features for data management and change control which are designed to prevent accidental changes. These include user permissions, approval processes, as well as drawing and part locking among other features. Another aspect of data management is approval and tracking of issued production materials. Utilizing features such as DWF generation of production drawings in conjunction with Autodesk Vault and Autodesk Productstream represent a complete solution for revision control and delivery management of ShipConstructor production drawings.

BUILD & MAINTAIN

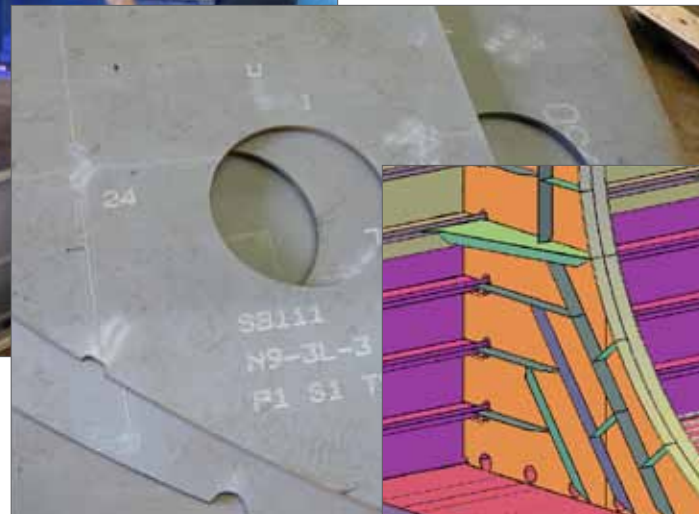
ShipConstructor is designed from the ground up to support production processes during the build cycle as well as later in the life cycle of the project. It does this by providing additional production information that directly supports the manufacturing processes as well as providing industry standard file formats, change management tools and lightweight models with attached production information.

Build

ShipConstructor provides both plate and profile nesting packages to support manufacturing. Plate nesting can be performed both manually and via automatic nesting routines allowing the optimization of material usage. NC code generation, done via NC-Pyros, allows controller specific NC code to be generated for selected nests. Estimates for cutting time, which can be used for scheduling, are fed back into the information model. In this way and many others, ShipConstructor is truly integrated into production processes. In addition to profile nesting, ShipConstructor allows for the creation of profile plot drawings which provide fabrication information for stiffeners.



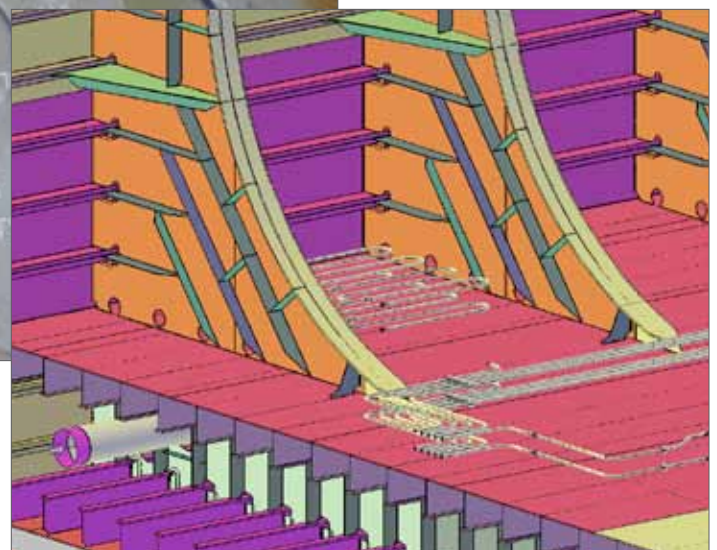
Fabrication



Construction

Maintain

A ShipConstructor model has not outlived its usefulness once the project has been successfully built. The design data that was used to build the project has many further uses. The original model and design documents can be vital for repair and refit work. Use of the DDROM means that this work can be done more easily. User defined information can be added to parts, indicating maintenance intervals for equipment. Lightweight virtual reality models can be used for crew training, on-board repairs and much more.



Life Cycle Reference

“ShipConstructor is well supported. We always get a prompt response to our needs.”

Mr. David Wright, Design Drafter, Nichols Bros. Boat Builders, USA
ShipConstructor User since 2005

SMART CHOICE

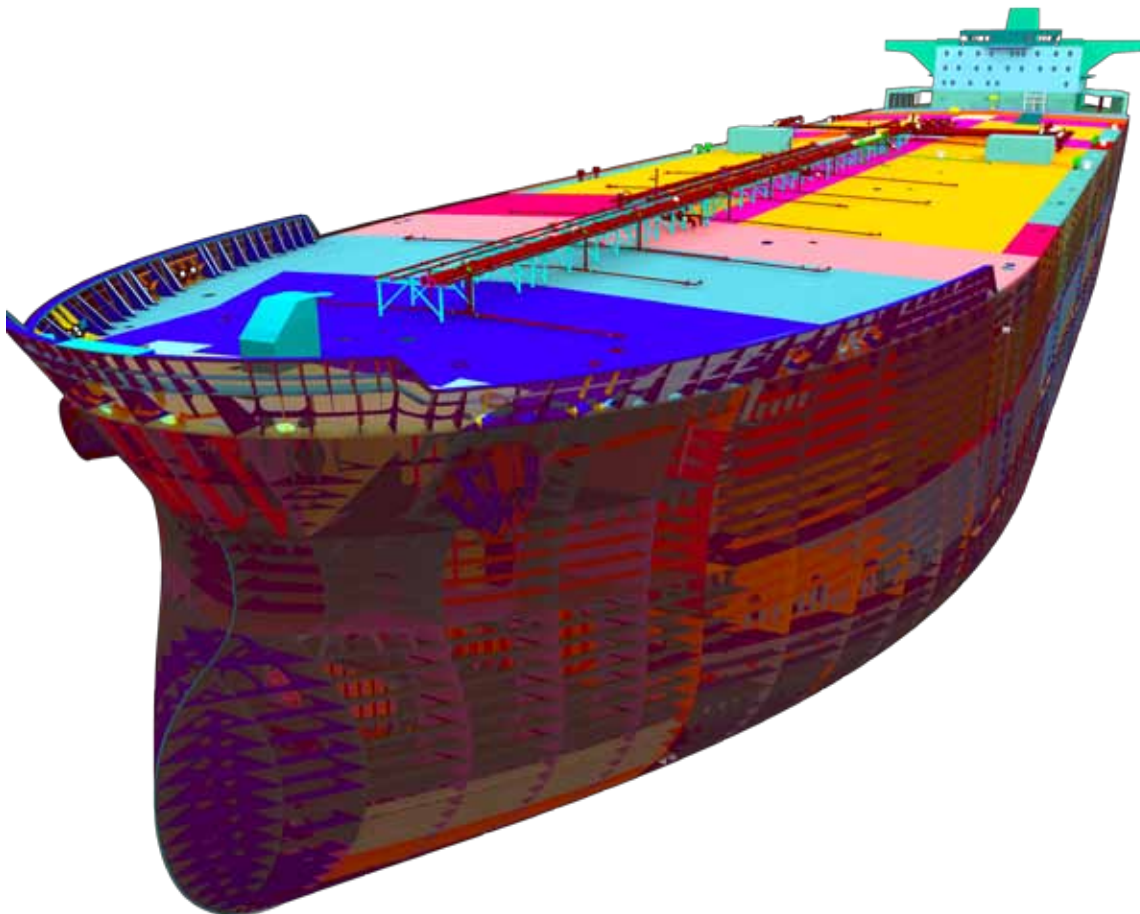
ShipConstructor Software Inc. (SSI) is a world leader in CAD/CAM software for the shipbuilding and offshore industries. It is the creator of the 3D product modeling tool for the design and fabrication of ships and offshore structures. Designed from the start specifically for the unique requirements of ship and rig construction, it offers a comprehensive, flexible and reliable suite of capabilities designed to maximize efficiency and enable both design teams and shipyards to deliver on time and on budget. SSI was established in 1990 in Victoria, BC, Canada, as Albacore Research Ltd. (ARL) and was renamed ShipConstructor Software Inc. in December 2005.

ShipConstructor is proving its capabilities on a wide range of new construction, conversion and repair projects, including the US Navy's Littoral Combat Ship, the US Coast Guard's Deepwater Project and the Devils Tower SPAR. More than 350 yards and designers worldwide, including well known names such as Northrop Grumman Ship Systems, Gibbs & Cox, and Drydocks World, trust ShipConstructor with their projects.

SSI is a fast growing company with headquarters in Victoria, BC, Canada as well as local representatives on every continent and subsidiary offices in Singapore and Mobile, Alabama, U.S.A.



Inner Harbour at sunset, Victoria, BC, Canada.



ShipConstructor Software Inc.

#304-3960 Quadra Street

Victoria BC V8X 4A3 Canada

Tel: +1(250)479-3638

Toll free: +1(888)210-7420

Fax: +1(250)479-0868

E-mail: Info@ShipConstructor.com

Web: www.ShipConstructor.com

Images courtesy Marine Technologies Ltd., Russia for Bodewes Shipyards B.V., The Netherlands and Peters Shipyards, The Netherlands; Robert Allan Ltd., Canada; J. Ray McDermott Inc., USA & J. Ray McDermott Far East, Inc., Indonesia; Northrop Grumman Corporation Ship Systems, USA; General Dynamics Team: Austal Ships Pty. Ltd., Australia and Austal Ships, USA; Bender Shipbuilding & Repair Co., Inc., USA and Guido Perla & Associates Inc., USA; Dubai Drydocks, UAE; Genoa Design International, Canada and Marinette Marine Corp., USA; Vripack Yachting International Naval Architects B.V., The Netherlands, North American Shipbuilding, Inc., USA; VanDerHeijden Steelyachts, The Netherlands; Formation Design Systems Pty Ltd., Australia; Martec Limited, Canada, Drydocks World - Graha, Singapore, Estaleiro Atlântico Sul, Brazil, Agência Brasil, Brazil

© 2011 ShipConstructor Software Inc. All Rights Reserved. ShipConstructor is a registered trademark of ShipConstructor Software Inc. DDROM and Database Driven Relational Object Model are trademarks of ShipConstructor Software Inc.