ShipConstructor Essentials Course Training Syllabus

PLEASE NOTE: COURSE CONTENT IS SUBJECT TO CHANGE
SHIPCONSTRUCTOR ESSENTIALS

Introduction

The ShipConstructor Project

Learning Objectives
Overview
The Project .PRO File

The Drawing Files

3D Model Drawings
3D Reference Drawings
2D Production Drawings
Template Drawings

Prerequisites

The SQL Database
Install
Database and Log Files

Install ShipConstructor
Configuring Your SQL Server Express Installation
Starting ShipConstructor
Deploying the Training Project

Licensing

Learning Objectives
Overview
Product Editions
Suites
Special Licenses

WorkShare Licensing
EnterprisePlatform Licensing
Compatibility with Previous Versions of ShipConstructor

Organization with Multiple Projects

Overview of the Licensing Process
  Generating a Computer Host Token
  Installing/Updating Licenses

The Knowledge Base - Licensing Questions
  Releasing a License

**The ShipConstructor Environment**

Learning Objectives

The Parts of the ShipConstructor Environment
  Titlebar
  Ribbon
  Command Line
  Status Bar
  Navigation Bar
  Crosshairs

Understanding Workspaces

Configuring the Ribbon
  Change the Ribbon View
  Hide/Unhide Tabs:
    Hide Panels
    Undock the Ribbon
    Sticky Panels

**Manager**

  Overview

**Navigator**

  Learning Objectives
  Overview
  Introduction
Connect to a Project
The Navigator Window
Parts of the Navigator Window
Customizing the Component List
The Project

Working with Navigator

Units
Creating Units
Deleting Units

Working with Drawings
Creating Drawings
Opening Drawings
Open a ShipConstructor Database-only Drawing
A Note about Opening Drawings
Deleting Drawings
Showing Out of Date Drawings

Additional Navigator Tools
Change Project
Reload DB
Searching and Filtering Revisions
Other Options

ShipConstructor and AutoCAD Design Tools
Properties Palette
Layers
List
Grips
Visual Styles
Orbit/Pan/Zoom

Product Hierarchy
Learning Objectives

Overview

Levels

Steps to Developing a Product Hierarchy

Product Hierarchy Tools

Set up Multiple Product Hierarchies

Copy a Product Hierarchy

Export a Product Hierarchy to another ShipConstructor Project

Import a Product Hierarchy from another ShipConstructor Project

Set up Product Hierarchy Drawings

Create a Product Hierarchy Drawing

Rename a Product Hierarchy Drawing

Delete a Product Hierarchy Drawing

Product Hierarchy Drawing Interactions

Key Point

Hide, Show, Find, Zoom, and Remove Parts

Hide and Show Parts

Find a Part

Selecting Parts across Product Hierarchies

Zoom to a Part

Copy Names

Unload/Reload

Assign to Assemblies

Properties

To Assign a User-defined Attribute to a Product Hierarchy

To Remove a User-defined Attribute

Set up Assembly Levels

Tips for Navigating the Product Hierarchy Palette

Things to Remember about Product Hierarchy
Set up Assemblies - Add an Assembly
Set up Assemblies - Rename an Assembly
Set up Assemblies - Edit an Assembly
Set up Assemblies – Change the Level of an Assembly
Set up Assemblies - Copy an Assembly
Set up Assemblies - Deleting Assemblies
Set up Product Hierarchy for Training
Exploded Assembly View
Product Hierarchy and Naming Conventions
Product Hierarchy and Production Drawings
Product Hierarchy and Nesting

**ShipConstructor Utilities**

Learning Objectives
3D Viewpoint
Activate UCS
UCS
  - Flip UCS X
  - Flip UCS Y
  - Swap UCS XY Axis
Hide Objects
Unhide Objects
Unhide All Objects
Clip Current View
Remove Clip
3D to 2D
Orthographic Projection
Remove Vertices below Tolerance
Convert Ellipse/Spline to Polyline
Layer

PLEASE NOTE: COURSE CONTENT IS SUBJECT TO CHANGE
Tool Path

Fillet
Mirror about Centerline
Reload Drawing
Create a Quality Matrix

   Label
   Matrix

Property Labels
Reference Lines
PartViews
The MLink Manager

   MLink Manager Options

List Item within Mlink/XRef Drawings
Referencing Parts using Part Views and NavisWorks (Reference Coordination Models)
Part Views

   Load PartViews by Selected Extents
   Checking PartView Properties
   Viewing PartView in Product Hierarchy
   Checking for Interferences with PartViews
   Viewing Interferences
   Creating an Interference Report
   Load PartViews by SCAdvPartViewLoadManager
   NavisWorks - Reference a Coordination Model

Edit All Dwg Options

   Structure
   Hangers
   Pipe
   HVAC
Electrical Equipment

Export

Export to DWG
More with Export to NWC

Extract Centerline

Snap

Snap Settings

Random Color

Verifying & Submitting Your Project

Student Feedback

Additional Training Information

Certification

Recommended Number of Days per Class (with an Instructor)

Hull and Structure Classes

Outfitting Classes