



Training Course Outline

Prerequisite: It is recommended that you have a working knowledge of a CAD application such as AutoCAD and Microsoft Windows.

Course Fee: \$425

Course Length: 1 day

Register: For upcoming dates and times, please call our training coordinator at 800.247.1927 or view our training calendar at www.thePPIgroup.com/training.html

We have two locations to serve you:

Portland Office:
503.231.1576 | 800.247.1927

Seattle Office:
425.251.9722 | 800.558.5368

Introduction to Autodesk® Navisworks

This hands on 1 day course will teach you how to reliably share, unite, review and polish your 3D design models from multiple formats. Navisworks will save you RFIs and Collision issues. In this one day class you will learn how to open and append 3D files of different formats for project review, perform visual project model approval using the built-in review and reporting tools and perform interference detections tests between 3D files of different disciplines to check integrity of the design.

Getting Started

- Workspace overview
- Opening/Appending files
- Saving, merging and refreshing files

3D Model Review

- Navigation
- Navisworks engine
- Selection tree/selecting objects
- Hiding/overriding objects
- Measuring and moving objects
- Selection and selection sets
- Viewpoints
- Comments and redlining
- Animations
- Sectioning
- Comparing Models

Timeliner (Construction)

- Creating Tasks
- Importing Tasks from External Projects
- Timeliner Simulation
- Configuring and Defining a Simulation
- Simulation Export

Animator (Architects & Civil)

- Creating a Basic Animation
- Cameras and Camera Viewpoints
- Manipulate Geometry
- Objects in an Animation Set
- Section Plane Sets
- Controlling Animation Scene Playback

Scripter (Architects & Civil)

- Creating and Managing Scripts
- Events
- Creating and Configuring Actions

Presenter Basics (Architects & Civil)

- Apply Materials to Model Items
- Adding Lighting Effects to a Scene
- Adding Background Effects
- Rendering Effects
- Outputting Rendered Images
- Outputting Animations (Videos)

Presenter Advanced Features continued on next page...

Training with PPI.

- Gets you productive quicker. Our experienced instructors have, on average, over 12 years experience in the AutoCAD® support industry.
- Gets you access to full size state-of-the-art Autodesk® Authorized Training Centers.
- Gets you free and ample parking at both locations.
- Provides you with qualified PDH (Professional Development Hours) for Engineers & Land Surveyors, as well as AIA CES Learning Units for Architects.

Autodesk
Authorized Value Added Reseller



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Continued from page 1...

Presenter Advanced Features (Architects & Civil)

- Editing and Managing Materials
- Advanced Material Editing
- Ground Planes
- Individual Light Effects
- Image-Based Lighting
- Environment Backgrounds and Reflections
- Custom Environments
- Light Scattering
- RPC (Rich Photorealistic Content)

Clash Detective (Construction)

- Selecting items to be clashed
- Clash Test Settings
- Clash Rules
- Clash Results
- Clash Test Reporting
- Audit Checks

- Create and Save Batches of Clash Tests
- Export and Import Clash Tests
- Custom Clash Test
- Laser Scan Data Clashing
- Holding and Releasing Objects
- Switch Back in Clash Detective
- Time-Based Clashing

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