

Basic Level Course

AUTODESK® NAVISWORKS ESSENTIALS

BIM COORDINATION / QUANTIFICATION / TIMELINER

Navisworks is a powerful instrument for all the disciplines in the construction industry. The program allows professionals to do create 3D geometry combine with BIM information creating accurate virtual models, enabling models review and clash detection. During this course the attendee will learn how to manage models, construct a timeline and run clash detections, which will identify possible problems streamlining the processes.

Course Overview

The trainees will learn how to append and merge different file types, marking up and review the model, creating clash test and timeline, render and animations. The course is presented by our team of specialist that will show the theory behind the tools, but also practice classroom exercises which will help you to understand and furthermore put in practice the new acquire tools in your model.

*This course is applicable for the **Arcdox Revit expertise program**. Contact us for more info.*

Recommended experience level

No previous experience required.

Modality

3 Days course (18 hours), delivered in our training facilities in Sandyford, or can be delivered on site.

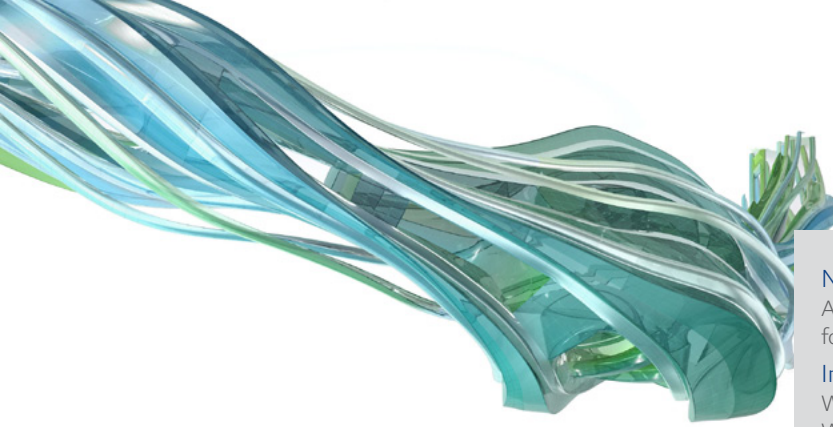
Material

Training Book and Revit files are provided by us.

Certificate

At the end of the course you will have the skills to start your first Navisworks project, in addition as Autodesk® Authorized Training Centre (ATC®) you will receive an official certificate from Autodesk at the end of the course. This course was designed to meet your learning needs with professional instructors, relevant content, authorized courseware, and evaluation by Autodesk.





Navisworks Essentials Modules

About Training in ArcDox

ArcDox are unique in Ireland as the only working practise that is also an Autodesk Authorised Training Centre. Our Autodesk Certified Trainers, are also professionally qualified users, working with BIM on a daily basis.

We can provide a range of training options, whether at our dedicated training facilities in Dublin, or On-Site training at your company or for your project teams. We are also developing a range of Online, and Blended Training courses which are underpinned by ArcDox's expertise and support services.



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Navisworks in a nutshell

A brief interactive session to enthuse the delegates and give a feel for the products capability

Introducing Navisworks as a BIM tool

What does Navisworks do?

What is BIM and what does it mean?

So who is BIM for and which of them will use it?

UI Tour

Application button, menu, Scene View

Quick Access Toolbar, Navigation bar

InfoCenter, Dockable windows

Ribbon, Status bar, using the commands

Menus, toolbar, ribbon, tooltips, keytips, navigation tools

Dockable windows, workspaces

Keyboard shortcuts

Compiling and managing a project

Options

File formats

File readers

File exporters

Appearance Profiler

Managing files and batch utility

View scene statistics and collaborate

Exploring the model

Navigating a scene, orientation in the model

Controlling the realism

Controlling model appearance

Controlling render quality

Reviewing, redlining, links and SwitchBack

Interactive geometry

Find and compare objects

Manipulate and transform objects

Redlining, comments and tags

Links to objects and Switchback

Viewpoint creation, sectioning and animation

Viewpoints and sectioning

Record and play animations

Animation and Interactivity

Create object animations

Add events and actions

Creating videos of the events

Autodesk Rendering

Applying materials and lighting to model objects

Modifying object materials, user libraries

Rendering options with Ray Trace and Autodesk - Cloud and Render Gallery

Simulation and the TimeLiner

Linking objects with tasks

Links to external scheduling files and 4D simulation

Import and export of data

Interference management - Clash Detective

Enhanced tests using search and selection sets

Using Rules, resolving issues with Switchback

Time based clash tests, reviewing results and reports

Material Takeoff - Quantification

Creating work breakdown structures

Develop catalogs, groups, items and resources

Using model variables and formulas

2D and 3D Model object and virtual takeoff

Importing and exporting catalogs and results