# Navisworks Essentials

**Category:** Computer Aided Design (CAD), Navisworks

## Basics

- Workspace overview
- Open, append, merge and refresh files in Navisworks
- Database support (data tools)

## Project Review Tools

- Learn how to integrate all project models, including the largest datasets, into a single aggregate model
- Work with object properties, measure tools, viewpoints, mark-ups and animations
- Import live data from external databases and display within the model
- Store, organize, and share camera views of a design and export them into images or reports
- Add cross sections and section plans to inspect details

## Collaboration Tools

- Publish and store project models in a single distributable NWD or DWF™ file
- Compress original project file size by up to 90%
- Embed or exclude object properties
- Add mark-ups with advanced redlining tools
- Include date-stamped audit trail for your project notes
- Record animated walkthroughs for real-time playback

## Whole Project Simulation

- Learn how to simulate construction schedules and logistics in 4D to visually communicate and analyse project activities
- Use time-based clashing and reporting Import times, dates, and task data from project management

software to dynamically link schedules with project models

## Animator

- Create animations showing object movement, operation, assembly, and disassembly

## Presenter

- Apply materials and lighting
- Use backgrounds to add real-world scenery
- Create believable night-time imagery with light-scattering effects.

## Clash Detection and Interference

- Learn how to use Navisworks clash detection to anticipate and avoid potential problems before construction
- Create Hard, Clearance, and Duplicate clash tests to support multiple coordination scenarios
- Export reports with results of clash tests, including comments and screenshots, to communicate issues to the project team

## Real-Time Navigation, Real-Time Experience

- Use advanced navigation tools such as gravity and solid object recognition

## Course Dates

[View our full course schedule here.](#)

## BOOKING

To discuss course contents and booking arrangements, please call SquareOne on:

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