

# Top 10 Reasons

## Reason 1

**Problem:** The cost of finding and fixing faults on-site requires additional manpower and materials, eats up program time, and thus, increases costs. Faults can result from misunderstood design intent and ambiguous construction information, and a lack of common understanding and design coordination within the project team.

**Solution:** Help avoid errors by embracing business processes and technology that allow everybody concerned with a project to better collaborate, communicate and share information. Implement an integrated workflow built on more coordinated, reliable information about a project from design through construction and into operations. Put an accessible, single, 3D digital model at the heart of the process and adopt Autodesk® Navisworks® software to contribute to this workflow to help ensure that higher-quality, more coordinated, internally consistent information is produced and that the data extends across the project.

## Reason 2

**Problem:** The large and complex models generated for building information modeling (BIM) and 3D plant design projects cannot be viewed, explored, and understood easily.

**Solution:** Autodesk Navisworks 3D project review software products<sup>†</sup> deliver an innovative technology that compresses files for interactive visualization and smooth real-time walk-through, so you can navigate, explore, and review even the largest and most complex 3D models on standard PCs.

## Reason 3

**Problem:** The need to visualize and coordinate your designs in a single, whole-project view with other design consultants or construction disciplines.

**Solution:** Autodesk Navisworks 3D project review software products<sup>†</sup> offer compatibility with most major native design and laser-scan file formats, which means that 3D design data created in 3D plant design and BIM applications such as the AutoCAD® software and Autodesk® Revit®-based products can be combined with geometry and information created with other design tools and then reviewed.

## Reason 4

**Problem:** Do you need to share your 3D designs with others and offer a single, whole-project view to all stakeholders to review or view?

**Solution:** The single Navisworks whole-project view can be published in both Autodesk Navisworks native NWD format and 3D DWF™ format, giving all stakeholders access. Autodesk® Navisworks® Freedom software is the free\* viewer for both file types.

## Reason 5

**Problem:** The value of the design data created in BIM and in 3D plant design projects is not being fully realized and is limited by access to the originating design application and the skills to use such software.

**Solution:** Autodesk Navisworks 3D project review software products<sup>†</sup> and their real-time environment are perfect for faster review, offering a more reliable way to challenge and check the detailed design. Navisworks applications have been created to be easier to use without CAD skills or design software.

## Reason 6

**Problem:** Design project review requires a distinct set of tools to provide design insight and construction/operational predictability, and these are not consistently available in design applications.

**Solution:** Autodesk Navisworks 3D project review software products<sup>†</sup> deliver a rich and powerful toolkit that includes measure, mark up, and comment to aid project model understanding and analysis.

## Reason 7

**Problem:** The need to walk-through and experience your design in real-time before it is real, to rapidly validate and present intent at the early bid/tender stage as a 3D interactive proposal.

**Solution:** Autodesk<sup>®</sup> Navisworks<sup>®</sup> Review 2010 software, Autodesk<sup>®</sup> Navisworks<sup>®</sup> Simulate 2010 software, and Autodesk<sup>®</sup> Navisworks<sup>®</sup> Manage 2010 software open native CAD files for real-time walk-through of the project. The experience can be extended, giving all stakeholders access to the whole-project view using Autodesk<sup>®</sup> Navisworks<sup>®</sup> Freedom 2010 software.

## Reason 8

**Problem:** The need get full value from existing construction planning software and to simulate time or planning schedules with the CAD model to create a 4D construction sequence to highlight and resolve on-site issues.

**Solution:** Both Navisworks Simulate and Navisworks Manage help give you the power to create an easier-to-understand visual simulation of work processes by linking existing 3D model data and project schedules.

## Reason 9

**Problem:** Would you like to clash your design with others?

**Solution:** Autodesk Navisworks Manage can clash any of the file formats that it can read and delivers more effective identification, inspection, and reporting of interferences in a 3D project model, which means that you can help ensure your design is issue free.

## Reason 10

**Problem:** The need to use existing design data to quickly create high-quality rendered images and animation that realistically visualize and present the design easily in 3D.

**Solution:** Both Autodesk Navisworks Simulate and Autodesk Navisworks Manage include the easier-to-use Presenter functionality that can be used to more easily create compelling images and animations to more accurately and effectively convey design ideas and intent.

<sup>†</sup>Products include Autodesk Navisworks Manage, Autodesk Navisworks Simulate, and Autodesk Navisworks Review.

\*Free products are subject to the terms and conditions of the end-user license agreement that accompanies download of the software.

Autodesk, DWF, Navisworks, and Revit are registered trademarks or trademarks of Autodesk, Inc., and/or its subsidiaries and/or affiliates in the USA and/or other countries. All other brand names, product names, or trademarks belong to their respective holders. Autodesk reserves the right to alter product offerings and specifications at any time without notice, and is not responsible for typographical or graphical errors that may appear in this document. © 2009 Autodesk, Inc. All rights reserved.