

AutoCAD Map 3D 2008

Top 10 Reasons to switch from AutoCAD to AutoCAD Map 3D 2008

AutoCAD® Map 3D 2008 software has all the strengths of AutoCAD® software, yet is especially designed to create, manage, and share maps and data more efficiently. Do you need to use data from other departments or organizations in a variety of formats and coordinate systems? Is your productivity hampered because only one person at a time can work on a DWG™ file? Do you divide up your mapping project to avoid slow editing? Or, do you manage a complicated set of infrastructure features but find that having your data spread across multiple DWG files is cumbersome? Read further to find out why you should make the move to AutoCAD Map 3D.

Ten ways AutoCAD Map 3D 2008 raises the bar.

1. Streamline input processes with improved data access and handling.
2. Accelerate projects with automated drawing cleanup.
3. Improve productivity with simultaneous multi-user access.
4. Give your designs real-world context with georeferencing.
5. Present data dynamically with powerful mapping and stylization tools.
6. Add new capabilities without managing complex relational databases.
7. Improve presentation impact with 3D rendering capabilities.
8. Enhance output with defined standards across your organization.
9. Maintain your organization's internal investment in spatial data.
10. Easily collaborate with a variety of publication and sharing options.

1. Streamline data access.

Put an end to cumbersome data translation processes or expensive middleware. AutoCAD Map 3D 2008 lets you natively access the most commonly used sources of spatial data – including ESRI® SHP files, ArcSDE® and Oracle® databases. Directly access and edit vector data, access raster imagery, and connect to web services such as Web Map Services (WMS) and Web Feature Services (WFS) to take advantage of publicly available data sources on the Internet. You can even use Microsoft® SQL Server™ and MySQL® to store data with spatial enabling functionality.

RESULT: You now have direct access to more data sources, and more industry-standard formats, giving you the confidence that data integration will remain intact throughout your processes.

2. Cleaner, more accurate maps.

There's no need to waste time on inaccurate drawings or poorly digitized data. The power tools in AutoCAD Map 3D 2008 automate the cleanup of inaccuracies, reducing duplication and incorrect information. Delete duplicates, including text objects. Correct undershoots or dangling objects. Minimize errors with less time and effort.

RESULT: You get drawings and maps that are cleaner and more accurate right from the start, diminishing costly and time-consuming errors throughout the entire life of a project.

3. Simultaneous access by multiple users.

The days of single-user access are over. With AutoCAD Map 3D 2008 multi-user capabilities – including multi-user DWG editing. Access to data remains available to all users throughout the process and changes and updates are registered immediately, providing every member of your team with accurate, up-to-date information.

RESULT: You increase productivity by allowing multiple users to work simultaneously, without unnecessary downtime.

4. See it as it really is – put your designs on the map.

Work with more than 3,000 real-world coordinate systems and tools such as rubbersheeting to accurately geo-reference your AutoCAD design data. Then combine your CAD design information with geospatial data and satellite imagery or integrate your CAD data with your organizations GIS.

RESULT: Your design data has real-world context allowing you to quickly integrate data from a variety of data sources to create accurate maps that can be used by field personnel and other departments.

5. Powerful, informative representation of data.

When you need to represent data in a clear, compelling way, AutoCAD Map 3D 2008 is your best solution. It lets you stylize your data in a variety of forms, highlighting specific features or information with cartographic capabilities such as theming, dynamic labeling, transparency, integration of satellite imagery, and more. You choose the styling approach that best fits your needs.

RESULT: You can produce more professional maps, proposals, and reports enabling you to communicate your ideas and information quickly, and clearly.

6. Sophisticated database features.

Design a geodatabase using straightforward tools and industry-standard formats. AutoCAD Map 3D offers built-in standards-based support for storing spatial data in popular relational database management systems (RDBMS) such as Oracle, MySQL, and Microsoft SQL Server or use the highly capable SDF file which supports rich geometry, multiple tables, and spatial indexing all in a single file to provide database like capabilities to your workgroup without the cost or complexity of a full-scale database.

RESULT: You can take advantage of database features such as scalability and security or use SDF files to realize many of the benefits of a full-featured database, without the cost and complexity of managing one.

7. High-impact 3D rendering.

This is the newest generation of 3D sophistication. AutoCAD Map 3D 2008 lets you analyze large-scale surface information – digital elevation models (DEM) and digital terrain elevation data (DTEM), and ESRI GRID files – for elevation, slope, and aspect. Then use draping functionality to combine this data with aerial photographs and vector data for stunning 3D renderings.

RESULT: Your presentations and plans will come to life with amazing accuracy, creating visuals that will have lasting impact on the project, and your reputation.

8. Output that meets exacting standards.

If you work with a variety of contractors or regulatory agencies, and have the need to prepare reports, you know the importance of specifying reporting and mapping standards for every project. When you create an object using AutoCAD Map 3D 2008 object classification, the object automatically takes its properties and values from its object class, matching standards and maintaining consistency throughout your drawings. By simply applying a classification to a new or existing object, you can be confident it meets your standards for both data and display.

Comment [b1]: Sarbanes-Oxley or GASB are US specific reports

RESULT: Your reports and maps will consistently meet the requirements of even most demanding of end users.

9. Maintain your investment in spatial data with metadata.

Data are one of your organizations most valuable assets. AutoCAD Map 3D 2008 enables you to maintain your investment in spatial data by providing tools to generate and manage metadata (data about data) about your spatial information in standard government formats (e.g., FGDC).

RESULT: Organize and maintain your organization's internal investment in spatial data. Metadata enables you to easily share your data with others in your organization or publish externally for the world to consume.

10. Multiple publication and sharing options.

AutoCAD Map 3D 2008 lets you stylize geospatial and design data to create maps. You can then circulate the results in a variety of ways. Distribute them as hard copy plots, individual DWF™ files, or multi-sheet DWF Map Books. You can even publish them to the Internet using Autodesk MapGuide® Enterprise or MapGuide Open Source.

RESULTS: When data and map sharing is made easy, it quickly becomes part of your organization's culture, so that regulators, customers, contractors, and teams are all operating from the same page.

Take it to the next level.

<insert grid here>

<BACK PAGE>

Use the CAD tool specifically designed for GIS professionals.

Integrate CAD and GIS?

Use AutoCAD Map 3D. It's that simple. Visit us online at www.autodesk.com/map3d to:

- Request a free* 30-day trial copy of AutoCAD Map 3D.
- Discover the AutoCAD Map 3D Advisor, a great way to find out if AutoCAD Map 3D is right for you.
- Gain access to online demos and blogs.
- Review informative industry white papers.
- Read AutoCAD Map 3D customer stories and more.

If you have questions, contact your Autodesk Authorized Value Added Reseller today. To locate a reseller, visit www.autodesk.com/reseller

*This product is subject to the terms and conditions of the end-user license agreement that accompanies download of this software.

Occasionally, Autodesk makes statements regarding planned or future development efforts for our existing or new products and services. These statements are not intended to be a promise or guarantee of future delivery of products, services, or features but merely reflect our current plans, which may change. Purchasing decisions should not be made based upon reliance on these statements. The Company assumes no obligation to update these forward-looking statements to reflect events that occur or circumstances that exist or change after the date on which they were made.

Autodesk, AutoCAD, Autodesk MapGuide, DWF, and DWG are registered trademarks or trademarks of Autodesk, Inc., 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.

© 2007 Autodesk, Inc. All rights reserved.