Autodesk Map™ 3D

2005

Powerful Precision 2D and 3D Mapping

Autodesk Map™ 3D 2005 software combines the proven 2D productivity of Autodesk Map 2004 with exciting new 3D functionality to help you create, maintain, and analyze maps faster than ever. Based on the AutoCAD® 2005 foundation, Autodesk Map 3D integrates engineering and CAD data with GIS and mapping data, so you can be more efficient and respond quickly to customer needs. Designed for mapping technicians, planners, utility managers, designers, and cartographers, this next version of Autodesk Map is the foundation of your complete infrastructure management solution.

Autodesk Map provides us the ability to make one query into seven different windows and produce seven different types of sketches for our boards and commissions. Other competing products don't provide that same type of service. This allows us to increase the number of maps we produce every year without increasing staff.

—Jim Coats
    GIS Manager
    City of Redding, California

The Fastest Autodesk Map Release Yet

Get your work done more quickly than ever. Faster than Autodesk Map 2004 or 2000i, this newest Autodesk Map version saves time when working with your maps—including querying GIS data and using thematic mapping functionality. Now you can make the most of accelerated performance for commonly used functions and improve your productivity.

Work Smarter with 3D Surfaces

Visualize, analyze, and share your 3D design and spatial data with information that is always up to date. Create 2D and 3D representations of surfaces to confirm surface conditions. Any change to the data sources immediately updates the surface. The Autodesk Map 3D analysis tools enable you to view thematic displays, see watershed delineations, subtract one surface from another, and smooth surfaces.

Better 2D Mapping

Take advantage of enhanced interoperability with other Autodesk® and competitive GIS products. Built on the AutoCAD 2005 software foundation, Autodesk Map 3D offers full DWG compatibility and can import and export designs and data in a wide range of formats. A new display manager and powerful thematic mapping capabilities greatly improve performance. And with an enhanced API, you can customize Autodesk Map 3D to create applications that meet specific business needs.

▶ www.autodesk.com/map

Autodesk Map 3D 2005

Faster Map Creation and Maintenance

+ Improve performance when querying, importing/exporting, classifying and manipulating data, and creating thematic maps.

Smarter 3D Surfaces

+ Work with points to create representations of surfaces.

+ Generate 3D surfaces and record precise spatial information.

+ Read text or database files to generate points.

+ Group points based on values you define, such as description, elevation range, and graphical selection.

+ Add, edit, or remove points to quickly update surfaces.

+ Analyze surfaces using functions such as thematic displays and surface smoothing.

+ Create 3D representations of surfaces, including contours, surface triangles, and surface face direction.

Better 2D Mapping
Map Creation and Cleanup

• Use classification to manage data more intuitively.

• Prepare data for topology with enhanced cleanup tools.

Data Integration

+ Import and Export LandXML data to streamline workflow.

+ Create DWF™ (Design Web Format™) files to share data more easily with team members.

+ Use FME Import-Export engine to exchange data with other industry-standard GIS formats, such as GML, ARC/INFO® coverages and E00, ArcView® Shape, MapInfo® MIF/MID, and MicroStation® DGN.

+ Store and access geospatial data in one central data source, Oracle® Spatial.

• Use all major raster formats.

• Link to ODBC-compliant databases.

Coordinate Conversion

+ Choose from more than 3,000 global systems or create your own.

Multiple Drawing Access

• Access multiple maps in one work session using query capabilities.

• Access multiple maps for concurrent users.

Spatial Analysis

• Perform buffer, shortest and optimal path trace, and flood analyses.

• Perform easy thematic mapping.

Presentation and Plotting

+ Manage the style and the order in which entities are displayed.

• Annotate objects by displaying textual values and expressions intuitively.

Customization

+ Customize Autodesk Map 3D software to meet specific needs using improved APIs.

+ Use new API Developer Guide to simplify learning.

Develop Your Own Autodesk Map Applications

Autodesk Map software is a flexible development platform for specialized mapping, land planning, and infrastructure management applications. To learn more, visit www.autodesk.com/developmap.

System Requirements

For a complete list of system requirements, visit www.autodesk.com/map.

Companion Products and Services

Autodesk Professional Services offers consulting, training, and support services that help you develop a complete view of employee, customer, and vendor relationships. We'll help you streamline your business processes and get the best possible return on your investment in Autodesk technology. Visit us at www.autodesk.com/professionalservices.

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For more information about Autodesk Map 3D 2005 software, visit www.autodesk.com/map.

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