Data Analysis for Your Desktop and Tablet PC

Integrate, visualize, analyze, and present 2D and 3D data for mapping, civil engineering, and infrastructure management projects with one tool—Autodesk Envision™ 8—formerly known as Autodesk® OnSite Desktop. We've changed the name, but this is the same powerful software named "Product of the Year" by *GIS Monitor* in 2002. Use Autodesk Envision software to integrate data from multiple sources into a single precise display, import 3D terrain models, create fly-by animations, query objects, and perform "what if" spatial analyses. Then create compelling thematic maps for print or web publication.

The Autodesk Envision application programming interface is built on the Microsoft® .NET platform to expedite development of custom applications on your desktop or Tablet PC.

Simple, Flexible Data Integration

Make data integration easy. Autodesk Envision software collects your mapping and engineering data into a single precise display—without the need for conversion—and gives you powerful markup tools. It supports the standard vector, raster, and tabular data formats, including Oracle® Spatial. Plus you can use LandXML to pass 2D and 3D data smoothly between project phases.

2D and 3D Analysis and Presentation

Autodesk Envision analysis tools help you measure and buffer objects, search and query objects for attribute information, and conduct "what if" scenarios. You can also view and orbit 3D terrain models, drape 2D data over digital terrains, and create fly-by animations. Civil engineering tools help you calculate elevations and cut/fill volumes, run flood analyses, and more. And even nontechnical users can create high-quality thematic maps for print or web publication.

Custom Application Development

Get more from your software investment. Developers have complete access to their data in Autodesk Envision software, so you can import your own tools for custom applications. An API based on Microsoft's .NET technology can help you integrate existing .NET web services, and you can also automate tasks or personalize the user interface. For example, civil engineers and landscape architects can build applications for slope, aspect, or visibility analysis, and infrastructure managers can develop programs to analyze power networks.

► www.autodesk.com/envision

Autodesk Envision 8

Developer Support

+ An expanded API is based on Microsoft's .NET technology to streamline and automate tasks, personalize customer interaction, and add web services. New features include API tools for buffer and search functions.

Data Integration

+ AutoCAD® 2004 DWG support
- LandXML support enables engineers to read this data directly without translation.
- Load ARC/INFO® coverages and Export E00, MicroStation® DGN, and MapInfo® MID/MIF files.
- Choose from over 3,000 global systems.
- Get support for Oracle® Spatial, SDF, and SHP.
- Read most raster formats, including MrSID® and ECW.
- Integrate scanned microfilm or paper maps into finished presentations.
- Select objects by list, radius, polygon, buffer, and intersection.
- Save digital markups to RML files for integration with Autodesk Map™ software and other products.

Mobility

+ Tablet PC support includes handwriting and voice recognition, gestures, button sizing, ease of reading with ClearType text, hotdocking, and more.

Mapping

- Bookmark displays for easy retrieval.
- Get support for thousands of worldwide projections and coordinate systems.
- Use thematic mapping to create visualizations based on feature attribute, object, or linked data using classification schemes that include individual values or ranges like quantile, equal interval, and standard deviation.

Query and Analysis Tools

- Calculate elevation difference and slope between points.
- Calculate cut/fill volumes between surfaces.
- Create "line of sight" 3D perspective viewsheds from any point.
- Conduct flood analyses.
- Query spatial and attribute data on selected objects.
- Generate buffers around objects.
- Measure distance and area.
- Search, query, and manipulate attribute data in table format.
- Zoom to objects linked to selected records.

Display

- Drape 2D data over 3D terrain models.
- Orbit 3D data and establish different views and camera locations.
- Create fly-by and drive-through animations of 3D displays.
- Create compelling thematic maps.
- Set display properties like scale dependencies.
- Create high-quality maps even if you're a nontechnical user.

Print, Web, and Mobile Publication

- Generate reports based on project data.
- Use report generic templates or import custom LandXML reports for roads, parcels, surface models, pipes, and more.
- Use style sheets to create and save custom templates easily.
- Send high-resolution output to printing and plotting devices with print-preview and flexible control over output.
- Make maps that can be published to browsers and mobile devices with server technology.

System Requirements

- Intel® Pentium® III 450 MHz or equivalent or AMD® processor (600 MHz recommended)
- Microsoft® Windows® XP Professional or Home, Windows 2000 (SP2), Windows 98 SE, or Windows NT® 4.0 (SP6a)
- 128 MB RAM (256 MB recommended)
- 1024x768x64 K display with 4 MB VRAM (32 MB recommended)
- Microsoft Internet Explorer 5.5 or later
- 200 MB disk space

Purchase or Learn More

Purchase Autodesk Envision software through your preferred Autodesk® Authorized Systems Center (ASC) or Autodesk Authorized Reseller. To locate the ASC or reseller nearest you, visit www.autodesk.com/referme.

For more information, visit www.autodesk.com/envision.

autodesk®

Autodesk, Inc.
111 McInnis Parkway
San Rafael, CA 94903
USA

000000000000113016