



The Envision Group

MicroStation, InRoads, AutoCAD, CAiCE and Civil3D
[consulting :: programming :: support :: training :: visualization]

BRIDGING THE GAP BETWEEN CADD AND IT

AUGUST 2008

The Envision Group Inc. specializes in MicroStation, InRoads, AutoCAD, Civil 3D & CAiCE software. We utilize our experience by teaming with you to provide training, consulting, and support to users and system administrators. We also provide 3D modeling and rendering services using MicroStation, InRoads, and other advanced software.

News

Autodesk and Bentley to Advance AEC Software Interoperability

At a joint press conference, Autodesk, Inc. (NASDAQ: ADSK) and Bentley Systems, Incorporated, two of the leading providers of design and infrastructure software, today announced an agreement to expand interoperability between their portfolios of architectural, engineering, and construction (AEC) software. Autodesk and Bentley will exchange software libraries, including Autodesk RealDWG, to improve the ability to read and write the companies' respective DWG and DGN formats in mixed environments with greater fidelity. In addition, the two companies will facilitate work process interoperability between their AEC applications through supporting the reciprocal use of available Application Programming Interfaces (APIs). With this agreement, the companies aim to improve AEC workflows by enabling broader reuse of information generated during the design, construction, and operation of buildings and infrastructure, and by enhancing the ability of project teams to choose among multiple software sources.

Interoperability has emerged as a critical issue for users of design and engineering software. A 2004 study by the U.S. National Institute of Standards and Technology found that users bear direct costs of almost \$16 billion annually from time wasted due to inadequate AEC software interoperability. By virtue of this agreement, and the interoperable offerings that it will enable, AEC firms will be free to employ software tools of choice from either Autodesk or Bentley to accept or submit either DWG or DGN files. By improving fidelity of work shared between the two file formats, users will be able to focus on being creative and getting work done, rather than being constrained by file-compatibility considerations.

Legal Stuff:

We do not sell Bentley or Autodesk products.
MicroStation and InRoads are Bentley products and trademarked as such.
AutoCAD, Civil 3D, and CAiCE are Autodesk products and trademarked as such.
We only offer this information as a benefit to our subscribers.

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Events

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[CAD Managers Forum](#)

August 22, 2008

Strand & Associates

Madison, Wisconsin

[Contact Us](#) for meeting details

[Mid-Continent MicroStation Community 2008 Conference](#)

August 26-27, 2008

Overland Park Convention Center

Overland Park, Kansas

[Visit Our Booth](#)

[The IDDEA Group 2008 Fall Conference](#)

October 1-3, 2008

Scheman Center

Iowa State University Campus

Ames, Iowa

[Visit Our Booth](#)

[2008 WCA Annual Conference and Marketplace](#)

October 12-14, 2008

Kalahari Resort & Convention Center

Wisconsin Dells, WI

[Visit Our Booth](#)

[Autodesk University](#)

December 2-5, 2008

The Venetian Hotel

Las Vegas, NV

[Visit Our Booth](#)

[Nebraska User Group Sprint 2009 Conference & Workshops](#)

March 2009

Cornhusker Marriott

Lincoln, Nebraska

Bentley BE Conference 2009

May 11-14 2009

Charlotte, North Carolina

MicroStation Tip

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Send To Back

When conducting MicroStation V8 user training we cover the Edit >Bring to Front command. There is no send to back command in MicroStation, but you can use a combination of Power Selector and Bring to Front to overcome this.

[\[MICROSTATION TIP \]](#)

MicroStation XM Tip

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Place Line

The place line tool includes a solution option when placing a line using the perpendicular or tangent snap. A second solution will be shown as a dotted shaded line.

[\[MICROSTATION XM TIP \]](#)

VBA Tip

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Reading/Writing Text Files

Being able to read from and write to text files in VBA is useful for the import/export of coordinate data as well as other file and configuration parameters.

[\[VBA TIP \]](#)

InRoads Tip

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Compress Surface

InRoads Digital Terrain Models are similar to CADD files and can be compressed to increase performance.

[\[INROADS TIP \]](#)

AutoCAD Tip

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Dynamic Inputs

Drawing AutoCAD elements, such as polylines and rectangles, can be done with precision using dynamic inputs. Dynamic Input properties are found in the Dynamic Input tab of the Drafting Settings dialog

[\[AUTOCAD TIP \]](#)

Civil 3D Tip

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Modifying Subassembly Standard Inputs

Stock subassembly standard inputs may not match your company's standards. Instead of changing the inputs every time you want to insert a subassembly, modify the default input parameters in the following way.

[\[CIVIL 3D TIP \]](#)

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Open Enrollment Classes

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MicroStation V8 Fundamentals	September 15-18	Madison, WI
MicroStation V8 2004 Upgrade	September 22-23	Madison, WI
MicroStation V8 2004 Power User	October 14-15	Madison, WI
InRoads Site	August 4-6	Madison, WI
InRoads Survey	August 14-15	Madison, WI
InRoads Fundamentals	September 8-12	Madison, WI
InRoads Update	October 2-3	Madison, WI
InRoads Fundamentals	October 6-10	Madison, WI
AutoCAD Map 3D	October 21-23	Madison, WI
AutoCAD Civil 3D Fundamentals	August 25-27	Madison, WI
Residential Grading	August 28	Madison, WI
AutoCAD Civil 3D Introduction to Corridor Design	September 24-25	Madison, WI
Advanced Concepts in Civil 3D	September 29-October 1	Madison, WI
AutoCAD Civil 3D Fundamentals	October 27-29	Madison, WI
Residential Grading	October 30	Madison, WI

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The Envision Group: 8517 Excelsior Dr, Suite 102, Madison, WI 53717

