

It's here ...

As Advanced Solutions expands into new territories, we like to provide our clients with information about Advanced Solutions, Inc., Autodesk, and "CAD community" events.

This is your link to all the upcoming and current promotions, events, and training classes. We will also feature a sections where Advanced Solution's professionally trained technical engineers help you with your everyday software needs by providing tips and tricks. All this and much more are now accessible to you with just a click.

Letter from the President

Innovation to the Rescue

by *Michael W. Golway, P.E. President & CEO*

LOUISVILLE, Ky. - September 23, 2008: Bad news about the economy and the state of our world seems to be everywhere. It's hard to pick up a newspaper, turn on a news channel, or log on to a news website without getting clobbered with depressing reports on the state of our economy or world affairs. It's a seemingly endless list of headlines focused on highly volatile energy prices, food shortages, housing, global warming, and financial markets in turmoil, among others. The pundits are rampant with opinions about who's to blame and how bad conditions will further deteriorate.

The good news is that human innovation will be a key driver in solving the major problems our generation faces. Innovation is an inspiring word that refers to a radical and substantial positive change through invention. It's the making of processes, products and ways of thinking that are significantly better than the prior state or condition. The innate human quality to improve upon our current position has certainly led to our present day quality of life, standard of living, and greater understanding of our world.

To read more visit: www.advancedsolutionsonline.com/about/pressroom_092308.aspx

Promotions

Transition from AutoCAD Land Desktop to AutoCAD Civil

As an AutoCAD Land Desktop software user, you can now introduce yourself to the new AutoCAD Civil by taking advantage of this special promotion! Users can crossgrade to AutoCAD Civil, AutoCAD Map 3D, or AutoCAD Civil 3D software for as low as \$245!

This promotion runs until April 17, 2009, and is available to licensed users of Autodesk Land Desktop 2006 or 2007 software, AutoCAD Land Desktop 2008 or 2009 software products. Visit us at http://www.advsolinc.com/civil/products/autocad_civil.aspx to find out more information.

Use the Efficiency Stimulus Package to explore the following possibilities

- Is your team effectively utilizing the latest 2D or 3D design software?
- Is your organization utilizing digital prototyping to streamline design workflow, while delivering work product faster and with a higher client value proposition?
- Is your team's productivity "best in class"?

Advanced Solutions is a recognized leader in 2D and 3D design software solutions and can help your organization realize the possibilities of a best in class design operation.

Advanced Solutions Stimulus Package Includes:

- Up to \$400 Rebate on new seats!
- Up to \$200 off Scheduled 3 & 4 day training classes on crossgrades and new seats!
- 0% Financing Available!
- Free Telephone and Email Support for 1 year!
- To access your printable stimulus package go to http://www.advsolinc.com/efficiency_stimulus.aspx.

Product Updates

AutoCAD Civil 3D Land Desktop Companion 2009 Update 1

Autodesk has released AutoCAD Civil 3D Land Desktop Companion 2009 Update 1, which fixes or addresses a variety of issues discovered by customers and by Autodesk's internal testing team.

To read more visit <http://usa.autodesk.com/adsk/servlet/ps/dl/item?siteID=123112&id=11691474&linkID=9240698>.

AutoCAD Civil 3D 2009 Update 1

Before applying this update, make sure that any customizations made to the user profile (such as, customizations made to the support file search paths, print file customizations, printer support file paths, redirections, custom template settings, and so on) are exported to a secure location, then imported and reapplied after the update has been successfully installed.

To read more visit <http://usa.autodesk.com/adsk/servlet/ps/dl/item?siteID=123112&id=11687614&linkID=9240698>.

Industry in the News

Business Case Study: Technology approach

Bob Endres – Airport planning firm offers best practices for upgrading civil engineering technology

This philosophy is what led our company to upgrade from 2-D civil engineering software applications to dynamic 3-D modeling, invest in sufficient training, and whenever possible, reuse the same data sets for multiple purposes.

To understand our experience upgrading to Autodesk Civil 3D, it's helpful to understand the type of work we do as a firm and what role technology plays. Landrum & Brown provides environmental and airport planning solutions for aviation decision makers. We analyze the airspace surrounding airports to ensure that multiple air approaches are free from all potential obstructions, such as trees, communication towers, buildings, and freeway overpasses.

When attending a demonstration of Autodesk Civil 3D, we were immediately struck by the software's potential to accelerate airspace analysis. Civil 3D's dynamic engineering model, in which a change made in one place instantly updates the entire project, allows us to build corridors and surface models quickly and to change them dynamically. We can upload whatever data points we need to build a surface model, convert them to dynamic objects, and begin our analysis or design. Moreover, dynamic modeling is applicable to more than just analysis.

The results we have achieved with Autodesk Civil 3D have fully validated the approach our firm took in adopting it, particularly when conducting airspace analysis. The analysis team then loads these data points into Autodesk Civil 3D, and the software converts the data to the correct grid system.

"For a major airport, we recently created an airspace model from 500,000 data points in just four hours."

Anytime you can create a model once and leverage it multiple times, you're going to save time and complete projects faster. You can read more at <http://www.cenews.com/article.asp?id=2591>.

Reprinted with permission from CE News magazine.

AEC Civil Sustainable Design Executive & Technical Series

1. Have you been asked about what services your firm offers for Sustainability?
2. Have your clients "gone green"?
3. Have you bid on opportunities that required LEED certification?

If you answered "yes" to any or all of these questions, this Executive and Technical series will address what Sustainable Design is and how it is affecting the Civil Engineering Industry today, and tomorrow. The Executive Series will discuss industry trends, integrated project delivery, errors and omissions, and Building Information Modeling. The Technical Series will address site selection, site design, hydraulics/hydrology, visualization and simulation in design.

We invite you to participate in these important webinar industry discussions. (Upon registration, a link to the webinar will be sent with your confirmation.)

Sustainable Design Executive Series

9:00am - 10:00am

10/14/08: Building Information Modeling (BIM) for Civil Engineers

Sustainable Design Technical Series

1:00pm - 1:30pm

10/21/08: Visualization/Simulation/Design

Find out information about registration at <http://www.advsolinc.com/events/index.aspx#aec>.

Open Doors - Site Design: Grading and Quantities with AutoCAD Civil 3D

In this Open Doors short course, you will learn to design the grading for land parcels adjacent to subdivision roads. You will begin by creating grading feature lines from the subdivision road corridor models at the right-of-way locations. Then create a temporary interim grading surface from the feature lines, which is used to calculate another feature line at the back of parcels location. Next, create a final grading surface that incorporates the daylighting grading objects, the feature lines on the parcels, and the corridor datum surface. The final earthworks volumes are calculated by comparing the final grading surface to the existing ground surface. Finally, prepare the engineering and construction plans by adding labels to parcel corners and parcel segments. To see more of the Open Door schedule and registration go to http://www.advancedsolutionsonline.com/events/index.aspx#opendoor_sitedesign.

Open Doors - BIM: Presenting the Building Model with Revit

In this Open Doors short course, you will learn how to create realistic presentations and create a rendered interior view using lighting, material properties, and render quality settings. You can create realistic images in Revit Architecture by applying materials, material styles, RPC components, and textures to the building components. Learn how to produce realistic images of building model interiors, which can be used to present to clients or create advertising. In addition to showcasing your designs in different ways, you will also learn how to create shadow studies of a model. To see more of the Open Door schedule and registration go to http://www.advancedsolutionsonline.com/events/index.aspx#opendoor_bim.

AIA Ohio 2008 Convention

Architect as the Master Builder - Myth or Reality? The AIA Ohio Awards Banquet will take place at the new Akron Art Museum designed by Wolf Prix. October 2-4, 2008 at the John S. Knight Center. For more information or to register, visit <http://www.associationsites.com/page.cfm?usr=aia&pageid=1176>.

AIA Kentucky/AIA Indiana Convention

The AIA Kentucky/AIA Indiana Convention will be held October 9-11, 2008 in Louisville, Kentucky. The "Evolution: From Chisel to BIM" theme has been selected in part to pay homage to the 100th anniversary of the AIA in Kentucky. Programs will be held at The Henry Clay, a newly-renovated conference facility located at 604 South Third Street in downtown Louisville. Overnight accommodations will be available just up the street at the Louisville Marriott Downtown.

Keynote presenters include:

- **Phil Bernstein, FAIA** and Vice President of Autodesk
- **Markku Allison, AIA** of the AIA's Integrate Practice Knowledge Community
- **Sarah Susanka, FAIA**, architect and acclaimed author of the "Not So Big..." series of books.
- **Michael Speaks**, dean of the University of Kentucky College of Design
- **Chris Sharples, AIA** of Shop Architects in New York City
- **Bill Zahner**, president of A Zahner Architectural Metal Company.

For more information or to register, visit <http://www.aiaky.org/>.

2008 North Carolina League of Municipalities (NCLM) Centennial Conference

The League will celebrate its 100 years at the 2008 NCLM Annual Conference, October 12-14, 2008 in Charlotte. To find out more information go to <http://www.nclm.org/conference.htm>.

Sustainable Design for Architects and Engineers

Are you finally ready to see how your design software can help you participate in the Sustainable Design process? If you are like most architects and engineers you've heard a lot of talk about Sustainable Design. You've probably sat through Power Point presentations and read white papers, but you're still waiting to see some real world examples of how to specifically address design criteria and satisfy actual LEED requirements with your design software.

Please join Advanced Solutions and Autodesk on October 21-22, 2008 as we present Sustainable Design for Architects and Engineers. Jerry Bartels, Autodesk Civil Technical Specialist will be presenting Civil 3D for Site Selection and Design and Michael Juros AIA Autodesk AEC Technical Specialist will be presenting Revit for Building Construction. Jerry and Michael will be bringing a Revit model and a Civil 3D site together into a unified project, and then show real world examples of how to utilize Autodesk design software to satisfy specific LEED requirements and design sustainably.

Sustainable Design Civil and Building

8:30am - 12:00pm

Scalable Migration Civil 3D Adoption Strategy

12:00pm - 1:00pm

To find out more information or register, visit us at http://www.advsolinc.com/events/index.aspx#sustainable_design.

Training Classes

As an Autodesk Authorized Training Center (ATC), Advanced Solutions, Inc. provides top-quality, professional training and continuing education programs, for optimum productivity, to maximize the return on your software investment. We combine professional courseware, expert instructors, state-of-the-art computer systems, and high-resolution projectors to provide you with the highest quality training available. We encourage you to take advantage of this valuable resource and we look forward to being a part of your continuing professional development.

Choose the product and experience level that fits you best:

Beginning User

- AutoCAD & AutoCAD LT 2008: Essentials
- AutoCAD 2009 / AutoCAD LT 2009: Essentials
- Revit Architecture 2009: Essentials
- Revit MEP 2009 - Project Administration
- Revit MEP 2009 - Mechanical Essentials
- Revit MEP 2009 - Electrical Essentials
- Revit MEP 2009 - Plumbing/Piping Essentials
- Revit MEP 2009 - Family Creation
- Revit Structure 2009: Essentials
- AutoCAD 2008 / Transitioning from AutoCAD 2002
- AutoCAD 2009: Transitioning from AutoCAD 2008
- AutoCAD Civil 3D 2008: Essentials
- AutoCAD Civil 3D 2008 - Surveying
- AutoCAD Civil 3D 2009: Essentials
- AutoCAD Map 3D 2009: Essentials

Intermediate User

- AutoCAD 2009: Creating and Presenting 3D Models
- AutoCAD 2009: Intermediate
- AutoCAD Civil 3D 2008: Introduction to Commercial Site Grading Plans
- AutoCAD Civil 3D 2009: Residential Grading
- AutoCAD Civil 3D 2009: Designing Intersections and Cul-de-Sacs

Advanced User

- Revit Architecture 2009: Advanced
- Revit Structure 2009: Advanced
- Autodesk NavisWorks 2009: Essentials

To find dates, times, and locations please visit our training website at <http://www.advsolinc.com/university/trainingProvider.aspx>.

Tips & Tricks

Civil 3D 2009

Transfer Workspaces

Issue:

You want to transfer a workspace from one computer to another without having to transfer the entire CUI file.

Reasons someone might want to do this:

- A user on another computer deletes his/her workspace or modifies the workspace in a way they should not have and the user does not want to create a new one.
- If another user has the same one or a simpler one then they could save that workspace on the other computer. You have a workspace with menus and toolbars that you always use and you want to keep a copy just in case something happens to that workspace.
- Standardization, all employees using the same interface.

To get a step-by-step walk through, visit <http://www.advsolinc.com/clientcenter/>.

New to the Team

Doug Anderson

AEC Regional Sales Executive

St. Louis Office

Creve Coeur, MO

502-498-2796 (Direct)

502-498-2797 (FAX)

1-877-GET-ASI-1, x2111

www.AdvancedSolutionsOnline.com

danderson@AdvancedSolutionsOnline.com

Carlos Arechiga

AEC Business Development Manager

St. Louis Office

Creve Coeur, MO

502-498-2798 (Direct)

502-498-2799 (FAX)

1-877-GET-ASI-1, x2112

www.AdvancedSolutionsOnline.com

carechiga@AdvancedSolutionsOnline.com

Poll Questions

1. What is your company doing to be GREEN?
2. What would you like to hear about?
3. Would you or your company be interested in being featured in our next issue?

To answer these questions visit http://www.surveymonkey.com/s.aspx?sm=YoiVcaPLhOWMjEO5N3MiRg_3d_3d.