

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

Advanced Solutions, Autodesk Government, and DLT Solutions have teamed up to deliver a world class evaluation, purchasing, and implementation strategy for your agency. Solutions include packaged software installation, training, customized support service offerings, and 21 years experience in helping designers improve efficiency and productivity.

Renderings is your link to all the upcoming and current promotions, events, and training classes. We will also feature a section 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.

## Promotions

### Autodesk Legacy Promo Offer

There are many advantages to moving to the new AutoCAD 2009 software, such as keeping your work compatible with your clients and vendors or improving your productivity with new tools. However, the best reason is probably the savings - 30% off with Autodesk Subscription when you act before January 16, 2009.

No matter what your challenge - from facilitating innovation and accelerating new product launches to optimizing global supply chain collaboration - you can get the latest Autodesk software at a significant discount. Contact us and we'll show you all the new ways Autodesk can help you maintain your competitive edge and increase your productivity. ([Learn More](#))

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### Autodesk Retirement on 2006 Products

AutoCAD 2006 and other Autodesk 2006 software will be retiring on March 13, 2009. To help you make the transition to the 2009 releases, save 10% until January 16, 2009. This discount applies only when you upgrade with Autodesk Subscription.

When you move to a 2009 software solution, you'll be able to take advantage of innovative tools, including enhanced 3D design visualization and rendering, advanced customization and network licensing.

Upgrade to the latest Autodesk 2009 Architecture and Civil Solutions which can increase your profitability, reduce risk, and eliminate inefficiencies in building design, construction, and management. The sooner you act, the more you save - simply upgrade with Autodesk Subscription. ([Learn More](#))

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### Autodesk NavisWorks Migration - *Make the Move*

Now until January 16, 2009, as a NavisWorks JetStream 5.5 customer you have the option to migrate your existing products to the new Autodesk NavisWorks 2009 products at the discounted pricing. ([Learn More](#))

Migrate to any of the newest Autodesk NavisWorks 2009 software:

- NavisWorks Manage
- NavisWorks Simulate
- NavisWorks Review

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### 0% Financing, No Payments for 60 Days, and 0% Interest for 12 Months

During challenging economic times, meeting deadlines has become mission critical. How can you keep up? Increasing your productivity is the key to getting your work done in less time, on time. Invest in the software that can take your productivity to

the next level - without breaking the bank. Now you can make no payments for two months and get 0% interest for an additional 12 months on most Autodesk software purchases until January 16, 2009. Don't hesitate to get the tools you need to boost your efficiency and productivity.

*Act now and increase your tax deduction!*

If you act before December 31, 2008, you may be able to write off the full cost of your software through the federal [Section 179 deduction](#). Many businesses can deduct the full purchase price of qualifying equipment purchased or financed - like Autodesk software - during this tax year. ([Learn More](#))

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### **AutoCAD LT 2009 New Seat Rebate**

Clients who purchase eligible new commercial licenses (seats) of AutoCAD LT 2009 may be eligible for a rebate of up to \$200 for each new license (seat) purchased after submitting an online request and providing proof of purchase documentation. The AutoCAD LT 2009 New Seat Rebate qualifying purchase period runs through January 30, 2009. You must order AND receive your product within this qualifying period to participate. This offer is limited to a maximum of five (5) seats total per client invoice address.

Autodesk Subscription is not required to be eligible for the AutoCAD LT 2009 New Seat Rebate; however, Autodesk Subscription holders receive benefits including incremental product enhancements, personalized web support, and self-paced training options with one annual fee. ([Learn More](#))

For a complete list of our promotions, please visit our website at [www.AdvancedSolutionsOnline.com/promo](http://www.AdvancedSolutionsOnline.com/promo), or call 1-877-GET-ASI-1 (1-877-438-2741).

## **Product Updates**

### **Value added where it counts...**

#### **Architectural Suites**

The IES Architectural Suites, which include the VE-Toolkits, provide architects the ability to customize analysis to fit their needs across the likes of: energy consumption, carbon emissions, LEED Daylighting, Architecture 2030 Challenge benchmarking, thermal comfort, solar shading and penetration, daylighting (glare and light levels), artificial lighting, internal loads, envelope sensitivity and more.

Benefits:

- Consider building performance results alongside aesthetics to inform decisions
- Get high quality data from the earliest stages of design
- Include early stage analysis in client bids
- Make best use of innovative passive design strategies
- Make best use of zero/low carbon technologies
- Achieve dramatic energy reductions while ensuring good daylight levels and thermal comfort
- Assess and compare potential performance trade-offs of different sustainable strategies

The IES tools can be linked directly from Revit software, so building performance analysis becomes an integrated part of the design process, leading to buildings which are more sustainable and offer high- value opportunities for market differentiation. When utilizing the Building Information Model, the effects of each decision can be quantified quickly and easily and provide guidance to move forward with the most appropriate sustainable solutions.

To find out more about how this innovation can help you be more efficient visit our website at [www.AdvancedSolutionsOnline.com](http://www.AdvancedSolutionsOnline.com), or contact us at 1-877-GET-ASI-1 (1-877-438-2741).

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### **SmartBIM Library**

The BIM movement is transforming design and giving architects more power and flexibility to realize their vision. SmartBIM Library v3 from Reed Construction Data is a cost-effective solution for Autodesk Revit users:

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Features include:

- Streamlines design workflow
- Simplifies storage, organization and location of Revit objects
- Facilitates the generation of libraries from Revit families
- Enables manufacturers, architects, engineers and building owners to easily share libraries of objects

As a SmartBIM Authorized Partner, Advanced Solutions is now able to provide a new level of expert technical training. For more information on the SmartBIM Library v3, visit our website at [www.AdvancedSolutionsOnline.com](http://www.AdvancedSolutionsOnline.com), or call us at 1-877-GET-ASI-1 (1-877-438-2741).

## Industry in the News

### Join the new [acronym] online

[acronym] online is the first and only Web community dedicated to those in the public sector who work within the 2D and 3D digital design disciplines. Advanced Solutions is a partner and continues to contribute articles and discussion questions specific to the public sector.

The community combines forums, technology tips, product reviews, articles, downloadable resources and more. Insight and commentary from industry experts on the trends, mandates, and best practices that impact design in the public sector is also included. [acronym] online was founded upon the success of its sister publication - [acronym] magazine - with the specific mission of providing you with all the tools and resources you need to enhance your skills, while bringing together a like-minded and driven community of government professionals.

Go online to get registered for [acronym] online at [www.AdvancedSolutionsOnline.com/gov](http://www.AdvancedSolutionsOnline.com/gov) and chat with our technical engineers and other users in this virtual community in featured chats and blogs.

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### PEOPLEWATCH: The Fantastic Catalyst

*What will be the oil of the future? According to Dan Nocera, water plus light. That's it.*

Reprinted from: July 2008, GreenSource Magazine

Interviewed by Charles Linn, FAIA

MIT Professor Daniel Nocera has spent the last 30 years attempting to duplicate what plants do so efficiently: using solar energy to split water into oxygen and hydrogen. The process of electrolyzing water is nothing new-most of us did it in junior high science class. But, what plants do that humans cannot is to separate the two efficiently, using very little electrical energy, and only earth-abundant materials. Now, Nocera believes his lab may well have created a catalyst that does just that. If his invention passes rigorous scientific review, it would constitute a major breakthrough. ([Read more](#))

## Event Calendar

### Tradeshow

[North Carolina Society of Surveyors 2009 Convention & Exhibits](#)

Date: February 7-9, 2009

Venue: The Concord Embassy Suites Hotel and Convention

Location: Concord, NC

[Tennessee Association of Professional Surveyors \(TAPS\) 41st Annual Conference & Technology](#)

Date: March 4-7, 2009

Venue: Embassy Suites Conference Center

Location: Murfreesboro, TN

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## User Group Meetings

Advanced Solutions wants to invite you to join one of our industry-focused User Groups. These focus groups provide Autodesk software users with peer-to-peer support where members can meet regularly to share their knowledge and gain from the knowledge of others.

*Raleigh/Durham/Chapel Hill Civil 3D User Group*

Date: January 12, 2009

*Charlotte AUGI Civil 3D User Group*

Date: January 20, 2009

Please check back often as new User Groups are added frequently on our website at [www.AdvancedSolutionsOnline.com/usergroup](http://www.AdvancedSolutionsOnline.com/usergroup), or call us at 1-877-GET-ASI-1 (1-877-438-2741) to register.

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## Civil 3D Test Drives

Come Test Drive the latest versions of Autodesk software technology in one of our Autodesk Authorized Training Centers. Experience the power of Civil 3D with this FREE Hands-on event to increase your knowledge and productivity with the help from one of Advanced Solution's Autodesk trained instructors to guide you.

Date: January, 22, 2009

Venue: Advanced Solutions Office

Location: Charlotte, NC

Date: January, 30, 2009

Venue: Advanced Solutions Office

Location: Richmond, VA

For more information, visit our events page at [www.AdvancedSolutionsOnline.com/events](http://www.AdvancedSolutionsOnline.com/events), or call us at 1-877-GET-ASI-1 (1-877-438-2741).

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## Power Sessions

The economy today requires some heavy lifting and we want to prepare you for the days ahead. You will not want to miss this one-day event with five 75-minute Autodesk vertical product focused sessions. The in-depth sessions are intended for power users of Autodesk products. You will not only walk away with valuable information to maximize your Civil 3D software, but you will also have the opportunity to share ideas and solutions with other power users.

February 2009

- Cary, NC
- Cincinnati, OH
- Nashville, TN
- Charlotte, NC
- Columbus, OH
- Louisville, KY
- Richmond, VA

Keep a look out for upcoming news in your inbox. To find out more details visit our events page at [www.AdvancedSolutionsOnline.com/events](http://www.AdvancedSolutionsOnline.com/events), or call us at 1-877-GET-ASI-1 (1-877-438-2741).

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## Missed Autodesk University 2008?

Advanced Solutions hosted a special presentation by Wayne Hodgins titled "The Snowflake Effect: Preparing for the Future of Unique Digital Design" at Autodesk University earlier this month.

Wayne has often noted that each of us are like a snowflake, completely unique with no two people the same. So too is every moment, every team, and every situation. Yet if this is so obvious and has been true for so long then why do we live in a world designed for the opposite; where almost all products, services and buildings are designed based on the assumption that there is a large number of people who all want the same thing?

As Wayne explained in his presentation, this won't last much longer and he will lay out how we are seeing the completion of the transition from mass production to mass personalization on a pervasive and global scale.

Wayne calls this "The Snowflake Effect" and has inspired audiences throughout the world with his vision of the coming era of uniqueness. An era predominated by unique solutions and unique experiences for every one of us snowflakes, everyday. We live in a world of exponential change, a world where everyone is both a consumer and a producer and a world where design is a competency required by all.

If you were not able to attend our live event at Autodesk University, you now have the ability to experience the presentation from the comfort of your own desk. We have posted Wayne's presentation on our Client Center, which is free to Advanced Solutions clients. Please go to [www.advsolinc.com/clientcenter](http://www.advsolinc.com/clientcenter) to register and access the presentation. If you are not an existing client of Advanced Solutions or were a guest at the event, please enter the Promo Code: WAYNE\_AU during registration and you will be given temporary access.

While you visit our Client Center, please be sure to check out the most recent industry updates, tips & tricks and product information.

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Visit us at our events page, [www.AdvancedSolutionsOnline.com/events](http://www.AdvancedSolutionsOnline.com/events), to find more events coming to a city near you.

## Training Classes

As an Autodesk Authorized Training Center (ATC), Advanced Solutions 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/Existing User**

[AutoCAD 2009 / AutoCAD LT 2009: Essentials](#)  
[AutoCAD Architecture 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 2009: Transitioning from AutoCAD 2008](#)  
[AutoCAD Civil 3D 2008: Surveying](#)  
[AutoCAD Civil 3D 2009: Essentials](#)  
[AutoCAD Map 3D 2009: Essentials](#)  
[AutoCAD Civil 3D 2009 - Surveying](#)

### **Intermediate User**

[AutoCAD 2009: Creating and Presenting 3D Models](#)  
[AutoCAD 2009: Intermediate](#)

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[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](#)  
[AutoCAD MEP 2008: Projects & Tools Essentials](#)  
[AutoCAD MEP 2008: Mechanical Essentials](#)  
[AutoCAD MEP 2008: Electrical Essentials](#)  
[AutoCAD MEP 2008: Plumbing Essentials](#)  
[AutoCAD MEP 2008: Piping Essentials](#)  
[AutoCAD Architecture 2009: Advanced](#)

[Revit MEP 2009 - Family Creation](#)

### **Advanced User**

[Revit Architecture 2009: Advanced](#)  
[Revit Structure 2009: Advanced](#)  
[Autodesk NavisWorks 2009: Essentials](#)  
[AutoCAD Civil 3D 2009 - CAD Management](#)

To find dates, times, and locations please visit our training website at [www.AdvancedSolutionsOnline.com/University](http://www.AdvancedSolutionsOnline.com/University), or call us at 1-877-GET-ASI-1 (1-877-438-2741).

### **PILOT Program**

Need training? Can't find a convenient Autodesk Authorized Training Center close by? The Advanced Solutions Professional Instructor Led Online Training (PILOT) can help. PILOT is a virtual online training enrollment option available for all of our regularly scheduled Autodesk Certified classes.

With the PILOT program, you can experience the benefits of our "in class" instructor led program without leaving your office.

Benefits of the PILOT program:

- Save on travel expenses
- Experience live training
- View the instructor's screen just like you were present in the classroom
- See and hear the instructor's lessons in real time

Don't settle for "canned" video training or "how to" books - join us in our Professional Instructor Led Online Training today! [Click here](#) to view the list of online training classes available.

### **Tips & Tricks**

#### **Pipe Reducer Displaying in Plan View using Revit MEP 2009**

Written by Emy McGann, BSD Technical Engineer

Issue: Pipe reducer schematic symbols are cluttering the plan views.

Resolution: You can modify the pipe reducer family that comes with Revit MEP so they do not display in plan view when you are in a course or medium detail level (single line pipe). This can be done using...

Want to read further? Visit our Client Center at <http://www.advancedsolutionsonline.com/clientcenter/>.

About Emy McGann:

As a Technical Engineer for Advanced Solutions, Emy is a part of the Building Solutions Team. Emy is one of our top ATC/Authorized Autodesk Instructors (AAI). She uses her real world knowledge gained from her past experience to teach users of all levels how to best utilize the variety of Autodesk Building Solution products. Her primary area of expertise are the AutoCAD, AutoCAD Architecture, AutoCAD MEP, and Revit MEP products. She also supports the Autodesk vertical product lines via telephone and email to ensure the client has a positive answer to any problem.

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## **Modifying Drawing List Schedule using Revit Architecture**

Written by Brayn Payne, BSD Technical Engineer

Issue: Trouble controlling Drawing List schedule

Resolution: 3 easy steps to getting your Drawing in the order you want. This can be done using...

Want to read further? Visit our Client Center at [www.AdvancedSolutionsOnline.com/clientcenter](http://www.AdvancedSolutionsOnline.com/clientcenter).

About Bryan Payne:

Bryan, a graduate of The Ohio State University with a Bachelor of Science in Architecture, serves as a Technical Engineer for Advanced Solutions with a focus on the Revit software solution. Bryan uses his years of experience with AutoCAD and FormZ in assisting our client's transition to the Autodesk vertical products.

Bryan has many tasks and responsibilities, including the analysis of software solutions, the implementation of vertical base software solutions, and the troubleshooting of software problems. Bryan used his education in a multitude of leadership roles, such as pilot project launches, training classes, and the customization of training material to provide a total solution for our clients.

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## **Finding Objects in NavisWorks**

Written by Nick Bower, Assoc. AIA, BSD Technical Engineer

Issue: It's hard to find and isolate objects in NavisWorks 2009

Resolution: With the Selection Tree and Find Items tool, you can easily find specific objects. This can be done using...

Want to read further? Visit our Client Center at [www.AdvancedSolutionsOnline.com/clientcenter](http://www.AdvancedSolutionsOnline.com/clientcenter).

About Nick Bower:

Nick, a graduate of The Ohio State University with a Bachelor of Science in Architecture, serves as a Technical Engineer for Advanced Solutions with a focus on the Revit and NavisWorks software solution. While at The Ohio State University, he was recognized as a top designer by being a finalist for the OSU/IMI and James Gui Award design competitions. After graduation, Nick worked for Gary J. Alexander, Architect, focusing on residential design and remodeling. Nick has many tasks and responsibilities, including the analysis of software solutions, the implementation of vertical base software solutions, and the troubleshooting of software problems.

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## **Pressure Pipes in Civil 3D 2009**

Written by Ken Przybysz, Technical Engineer

Issue: The Pipe Network tools in Civil 3D 2009 are geared for gravity flow pipes. While these are great, civil engineers also have to work with pressure pipes, such as water mains and sanitary force mains.

Resolution: There is a simple way to fool the software into doing this by...

Want to read further? Visit our Client Center at [www.AdvancedSolutionsOnline.com/clientcenter](http://www.AdvancedSolutionsOnline.com/clientcenter).

About Ken Przybysz:

Ken is a senior application engineer with Advanced Solutions, with more than 17 years of civil engineering experience. While working in the private and public sectors, he used Land Desktop, Civil Design, Survey and Civil 3D in areas of water and wastewater design, land development projects and road rehabilitation and widening. He was also responsible for standards implementation and training engineers and technicians. Before joining Advanced Solutions, he was CAD Systems Manager for

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the City of Charlotte Engineering and Property Management Division, providing training and CAD support to the staff. Ken is also an Autodesk Civil 3D 2007 Implementation Certified Expert (ICE).

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