

The Arch Way



The Newsletter for Friends of Archway Systems

VOLUME 26, NUMBER 2

FEBRUARY 17

Archway Systems, Inc.

Southern California:

2134 Main St, Ste. 160
Huntington Beach, CA 92648
Phone: 714-374-0440
Fax: 714-374-0301
tom@archwaysystems.com

Tennessee:

2550 Meridian Blvd, Ste. 200
Franklin, TN 37067
615-450-0440
danny@archwaysystems.com

WWW.ARCHWAYSYSTEMS.COM

WWW.VERSACAD.COM

Inside this issue:

Who's Who at Archway Systems	2
Report: Context Capture	2
Training Class Schedule	3
Oroville Dam	4
ProjectWise CONNECT	4
MyCADvideos.com	4

Upcoming Events:

Feb 24 — Demystifying CONNECT Webinar

Mar 1 — ProjectWise Webinar

Mar 2-5 — CI Summit

Mar 13 — Demystifying CONNECT Webinar

Apr 3 — ConceptStation Webinar

OpenRoads Designer Webinar

Did you miss our webinars on OpenRoads Designer? Check out the [recording of the webinar](#) today!

This webinar covers an overview of the new software and its new features and how it works as the successor to all of Bentley's civil engineering brands including InRoads, Geopak, MX and PowerCivil, from Conceptual Design through Construction.

Want more information on this new software, available for general production use at the end of March 2017? Contact our office at 714-374-0440 and we will help you with your questions!

To see what other webinars we have scheduled, check out our [Webinars Page](#) to see this and other webinars coming up!

CI Summit in March

Join Archway at the CI Summit **March 2nd — 5th** in **Anaheim, CA**. This year's theme is Building the Future and will include programs on the latest techniques, technologies and strategies used by owners, engineers and contractors to manage risk and successfully deliver their projects.

There will be workshops on Technology Trends in the Construction Industry and technical sessions on many topics including Building the Future of Transportation through Partnership and Improving Efficiency through Integrated Cloud-Based Construction Management.

For more information visit www.cisummit.org. See you there!

Need Help with CAD Management?

Do you need help with CAD Management at your company? We can help your CAD Manager get set up and running with standards for your company.

Call us today to see what we can do for you!

2017 Bentley Bash Recap

The SoCal Bentley Bash 2017 was the biggest one yet with over 200 people in attendance. We taught some new classes this year and they were well received. We had a bit of an adventure on Friday as the power to the whole city went out, but the instructors did all they could answering questions and our attendees seemed to get a lot out of it. Some instructors said this time was well used for informal discussion.

Classes were taught on MicroStation V8i and CONNECT, InRoads and OpenRoads, RAM, ProjectWise, WaterGEMS and SewerGEMS, and more. It was a great networking event and a chance to see the new CONNECT Edition software in action.

Check out the [Bentley Bash webpage](#) for more information on the next Bash!

Demystifying CONNECT Webinar

Not sure about the new CONNECT Edition of MicroStation? Archway's Mike Lazear will be doing an hour and a half webinar on what exactly the CONNECT Edition is. He will show you that there is more to the new edition than just a ribbon interface and a cloud connection. He will also talk about the best ways to **transition from V8i to CONNECT**. Join us at **10:00am PST** on either **Fri., Feb. 24th** or **Mon., Mar. 13th** to learn more about what the CONNECT Edition has to offer. RSVP on our [Webinars](#) page!



Find us on facebook

Who's Who at Archway Systems

Tom Lazear	Administration, Sales & Training	Daniel Lazear	Sr. Application Engineer & Tenn. Sales & Training
Mike Lazear	Programming & Support	Shannon Schoenberger	Marketing
Sandy Lazear	Accounting	Raquel Sanchez	GIS Technician & Data Analyst
Linda Grubb	Sales Manager	Angie Krebs	Sales
Josh Lazear	IT Specialist		

REPORT

ContextCapture

Have you seen Bentley's new reality modeling software ContextCapture? It has been out for a while now, and there have been some amazing projects done to showcase it's great usability.

There are so many advantages to using ContextCapture for your reality modeling projects. You can do mapping of cities and campuses, detailed asset inspection, photo referencing, geospatial data measurement and processing with georeferenced 3D mesh, and so much more.

AEROMETREX used ContextCapture to capture the entire city of Philadelphia for security purposes when the Pope visited. They used 28,000 digital photographs, both aerial and ground-based, and captured the geo-referenced information within those photographs. They used this to create a detailed map of the city of Philadelphia and be able to best assign the over 56,000 temporary structures and 33 miles of security barricades needed for the Pope's visit. And this impressive example is just one way that AEROMETREX uses ContextCapture.

Also, UC Berkeley has used it to capture the entire campus for facility purposes and Gerpho used it to model a new jet engine. These are just a couple of examples of how ContextCapture can be used to your advantage.

So what is it and what can I do with it? To use ContextCapture, you



Part of the Philadelphia skyline modeled in ContextCapture by AEROMETREX ahead of the Pope's visit.

must first capture photographs of the area you are wishing to model. This can be done with everything from your smartphone for simple projects to aerial or drone photography from many different heights and angles. Combine anywhere from 30 to thousands of pictures to create your 3D mesh model! The more pictures you have, the more accurate the model.

Once you have the pictures, you input them into the ContextCapture Master and set a few settings. Then open the ContextCapture Engine to finish the processing. It can take a while to process, but the end result is worth it. You can turn simple photos into scalable photo realistic 3D models.

If you use it in conjunction with other Bentley products such as

Descartes, Pointools and LumenRT, you also get the ability to edit, analyze and bring to life these 3D models.

Then you can take your 3D model and remove parts to replace with new construction in order to see how it would work in the existing space. Having a 3D model can provide you with the real image of the actual property and this can result in changes prior to construction or designs being tested and complexities being communicated.

Take a look today! See a model and spin it around, zoom in and out, and see what you can do with ContextCapture. Check out [Bentley's sample models](#) on their website.

Want to learn more? Archway is holding a webinar on ContextCapture on **April 24, 2017 at 10am PST**. [Register here](#) to join us!

Training Class Schedule

Archway offers a variety of training classes using the latest of each software. All classes use certified materials and are held from 8:30AM to 5PM. Locations: Huntington Beach training center (**HB**) and Nashville, TN (**TN**). Classes can be delivered on-site and online. Call or email Archway or visit LearnMicroStation.com for the latest class schedule.

Upcoming MicroStation & Other Bentley Classes

- **MicroStation Essentials** — This course is designed for the new MicroStation user and builds a solid foundation in the concepts, tools and features found in the MicroStation drawing environment. Cost is \$1600. Location: **HB & TN**
 - ◇ **HB Dates** — 3/14-17; 4/18-21; 6/6-9; 8/29-9/1; & 10/31-11/3
 - ◇ **TN Dates** — 3/21-24; 5/2-5; 6/27-30; 8/22-25; 10/17-20; & 12/12-15
- **MicroStation for AutoCAD Users** — This course is specifically for experienced AutoCAD users wanting to transition their CAD knowledge to MicroStation skills. Cost is \$1350. Location: **HB & TN**
 - ◇ **HB Dates** — 3/28-30; 5/9-11; 6/27-29; 8/15-17; 10/17-19; 12/5-7; & 1/30-2/1
 - ◇ **TN Dates** — 4/4-6; 5/31-6/2; 7/25-27; 9/19-21; 11/14-16; & 1/16-18
- **MicroStation Everything 3D** — In this course, users will navigate and work in a 3D design file, create and edit 3D geometry in MicroStation, create parametric 3D models and develop a basic knowledge of the rendering capabilities of MicroStation. Cost is \$1800 Location: **HB & TN**.
 - ◇ **HB Dates** — 5/2-5; 7/25-28; & 10/24-27
 - ◇ **TN Dates** — 4/11-14; 6/20-23; 9/12-15; & 1/9-12
- **MicroStation for Advanced Users** — This course is for the experienced MicroStation user and focuses on improving user and work-group productivity. Cost is \$1500. Location: **HB & TN**
 - ◇ **HB Dates** — 4/4-6; 5/31-6/2; 8/22-24; 11/14-16; & 1/23-25
 - ◇ **TN Dates** — 4/25-27; 6/13-15; 9/6-8; & 11/29-12/2
- **MicroStation User Update to CONNECT** — This course covers all of the major new capabilities of MicroStation in a series of hands-on exercises. Students will learn about Workflow Task based interfaces and Project Explorer among other topics. Cost is \$800. Location: **HB**
 - ◇ **HB Dates** — 7/18-19; 9/19-20; & 12/19-20
- **MicroStation CAD Management & Administration** — In this course, users will learn the skills and techniques necessary to manage a MicroStation-based design environment, with an emphasis on project management and standardization. Cost is \$2600. Location: **HB**
 - ◇ **HB Dates** — 4/25-28; 7/11-14; & 11/7-10
- **MicroStation VBA Basics to Advanced** — This course covers the features of Visual Basic for Applications (VBA) development environment specific to MicroStation from the most basic to advanced features. Cost is \$1000. Location: **HB**
 - ◇ **Dates** — 9/7-8; & 1/16-17
- **AECOSim Building Designer Architecture** — This course is designed to help users understand the Architecture features available in AECOSim Building Designer. Cost is \$1500. Location: **HB & TN**
 - ◇ **HB Dates** — 4/25-27; 6/20-22; 9/12-14; & 12/12-14
 - ◇ **TN Dates** — 6/6-9; 9/27-29; & 12/18-20
- **InRoads Fundamentals SS2** — This class is to introduce civil engineering designers to InRoads software for road design projects. Cost is \$1600. Location: **HB, TN, & Online**
 - ◇ **HB Dates** — TBD
 - ◇ **TN Dates** — 3/28-31; 5/22-25; 7/11-14; & 8/28-31
 - ◇ **Online** — TBD
- **Advanced Roadway Designer for InRoads** — This class introduces civil engineering designers to all the major technologies in the Create Template and Roadway Designer applications. Cost is \$1500. Location: **TN**
 - ◇ **TN Dates** — 5/16-18; 8/8-10; 10/31-11/2; 12/5-8; & 1/23-25

Upcoming Online Bentley Classes

- **MicroStation V8i Feature Modeling** — In this class you'll learn an introduction to feature modeling concepts including editing of designs via the Feature Manager. Cost is \$650. Location: **Online 10am-2pm PDT**
 - ◇ **Dates** — 4/25-26; & 5/23-24
- **MicroStation 3D Intro** — This course follows the transition from 2D drawing to 3D modeling using the basic tools for viewing, manipulating and drawing. Cost is \$500. Location: **Online 10am-2pm PDT**
 - ◇ **Dates** — 3/7-8; 4/11-12; & 5/9-10
- **MicroStation Basics** — This course builds a solid foundation in the concepts, tools and features found in the MicroStation drawing environment. Cost is \$900. Location: **Online 10am-2pm PDT**
 - ◇ **Dates** — 4/18-21; & 5/16-19

Upcoming Rhino Classes

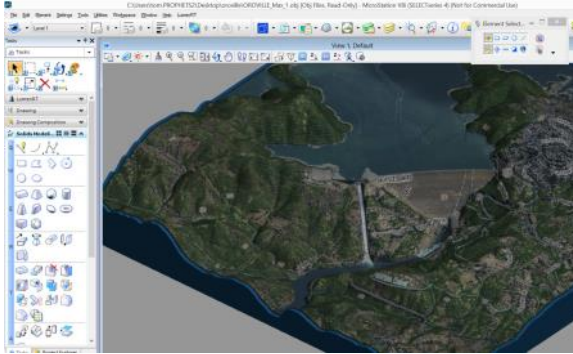
- **Rhino I** — In this class you'll learn to create and edit accurate free-form 3D NURBS models. This fast-moving class covers most of Rhino's functionality, including the most advanced surfacing commands. Cost is \$695. Location: **HB & TN**
 - ◇ **HB Dates** — 4/4-6; & 6/27-29
 - ◇ **TN Dates** — 4/18-20

Year in Infrastructure 2017

Bentley's annual Year in Infrastructure Conference is changing locations in 2017! The dates are **October 10-12th, 2017** and it will be in **Singapore** this year! Mark your calendars now to be a part of this great annual conference that Bentley puts on to show you the latest in Bentley software and to highlight and award the Be Inspired Awards!

Oroville Dam 3D Model for 3D Printing

A 3D Model of the endangered Oroville Dam in California, ready for 3D printing has kindly been made available by Fernando J Sanchez Menendez. EOSGIS SL from Madrid. Please email Tom@archwaysystems.com if you would like a copy of the file to print on your 3D printer.



ProjectWise CONNECT

ProjectWise is now more affordable than ever! For deployed ProjectWise, you can now get it for just \$10,080! That means ProjectWise is now economical for as low as 14 users!

ProjectWise CONNECT has some really neat new features that will make it a lot more accessible to small and medium businesses as well as larger companies.

One of the biggest changes to ProjectWise is that it is **subscription based** moving forward, whether it is hosted in the cloud or deployed to your local servers. What this means for you is they are no longer charging individually for each different server. All of the different servers are now included in one low price which is charged per user per year, billed quarterly. And with the new minimum, you can get **ProjectWise CONNECT for as low as \$10,080 a year!**

This is a great deal to take advantage of! If you have been thinking about ProjectWise, but it's been just out of your budget, now is the time to look into it again. This is great for small businesses that have multiple locations, are working as a prime on a project with sub-contractors, or need the ability to check in and out files from anywhere.

Want to learn more? Sign up for our webinar just about this! The webinar will be on **March 1st, 2017 at 10am PST**. RSVP here and see what other webinars we are holding soon. Or email Tom@archwaysystems.com if you want your questions answered now!

Archway's Product Line

Archway is a full service provider of technical software serving the Academic, Architectural, Civil and Mechanical Engineering markets.

DESIGN & ENGINEERING SOFTWARE:

- MicroStation, ProjectWise and applications
- VersaCAD for Windows
- AECOSim Building Designer & Generative Components
- InRoads, PowerCivil & Geopak Civil Software
- Haestad Hydraulic Analysis Software
- AECOSim Energy Software
- Promis*e
- Pointools Edit and applications

Archway Training Center

Check out the training classes on page 3. Classes for every need for MicroStation, InRoads, Rhino, and VersaCAD. Increase your design productivity. If there is not a class listed to fit your needs, call us and let us come up with a custom solution for you.

SERVICES:

- Training
- Phone support
- On-site support
- Customizing
- Consulting
- Contract software development
- CAD file translation

3D GRAPHICS & ANIMATION SOFTWARE:

- LumenRT
- Rhino 3D, Flamingo, Penguin & Bongo
- Bentley Navigator
- ArchVision libraries

MyCADvideos.com

Check out this site for free introductory videos and one hour webinars on the latest in CAD, FEM, and more.

Archway Job Site

Check out our job site where you can view jobs that local companies have posted specific to your industry.