The Arch Way

Archway Systems

The Newsletter for Friends of Archway Systems

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Check out our Training Classes in Arizona!

See page 3 for more details.

Upcoming Events:

May 15-17 — Be Together Conference in Philadelphia, PA
May 28 — Archway closed for Memorial Day
June 9 — Bentley Bash 2012 @ Pierce College

Be Together Conference

The Be Together Bentley User Conference is coming up quick! And there is still time to register! It will be held **May 15-17, 2012**, at the Pennsylvania Convention Center in **Philadelphia, PA**. This year's theme is "Working *Smarter*, Together."

With 12 different tracks to follow, you can get exactly the information you need from this conference. Also with the ability to choose which workshops and lectures you want to attend, you can maximize your networking and learning potential. For certain tracks, there are even early workshops being held on the afternoon of Monday, May 14th.

And don't forget to check out the highly interactive **LIVE Zone**! It is an interactive exhibit and demonstration area, that allows you to test out the latest products from Bentley. Experts from Bentley partner organizations will be there to help you learn about how all of the technology works. This way you can interact with, ask questions of, and learn the most about all of the latest Bentley products.

This year the **LIVE Zone** has eight zones for Information Mobility (new this year!), Information Modeling, Integrated Projects, Intelligent Infrastructure, Intelligent Deliverables, CAD Management, Visualization, and Knowledge Resources. Check out this video and hear what attendees had to say about last year's LIVE Zone.

Register now! Mention that you heard about it from Archway! To learn more about this conference check out Bentley's website here or watch this video about the conference here.

Be Careers Social Media

Check out Be Careers social media sites. They contain a wealth of information on the latest in Bentley education.

Their Facebook page connects you to thousands of other Bentley academic users and keeps you up to date on everything going on in the Be Careers Network including design contests and more.

Their YouTube channel contains pertinent videos to your work. These videos include everything from past webinars, like the first two in our academic webinar series on Bentley Navigator and StormCAD, to instructional videos about how to get started with different Bentley products including InRoads, STAAD.Pro, and others.

Check out these sites and be a part of the social network of Be Careers. Keep up on the latest Bentley software and network with others doing the same thing.

Any questions about Be Careers? Don't hesitate to give us a call!

Pierce Bentley Bash

On **June 9**, the Southern California Bentley User Group will be hosting the 2nd annual Bentley Bash at Pierce College in Los Angeles, CA. The Bentley Bash, as always, is **FREE**, with optional hands on training.

This year all of the classes are offered with optional hands on experience. If you bring your own laptop, you can follow along and do the exercises with the instructor. Even if you don't bring your own laptop, you will still be able to watch and learn from the demonstration and lecture.

Some of the classes offered this year are Intro to MicroStation, Intro to AECOsim Building Designer, Rail Track, Customizing MicroStation, InRoads Fundamentals and Advanced, Descartes/Pointools, and more!

Signup today! It is a free event, but you must pre-register as classes fill up fast!

Who's Who at Archway Systems

Tom Lazear	Administration, Sales & Training	**Sandy Lazear**	Accounting
		Linda Grubb	Sales Manager
George McMeans	Sales & Training in Nor. Cal.	**Josh Lazear**	IT Specialist
Mike Lazear	Programming & Support	**Daniel Lazear**	Sales
Phill Frye	Training & Consulting	**Lauren Jansen**	Marketing & Sales
Greg Hamano	Training & Support	**Shannon Schoenberger**	Marketing

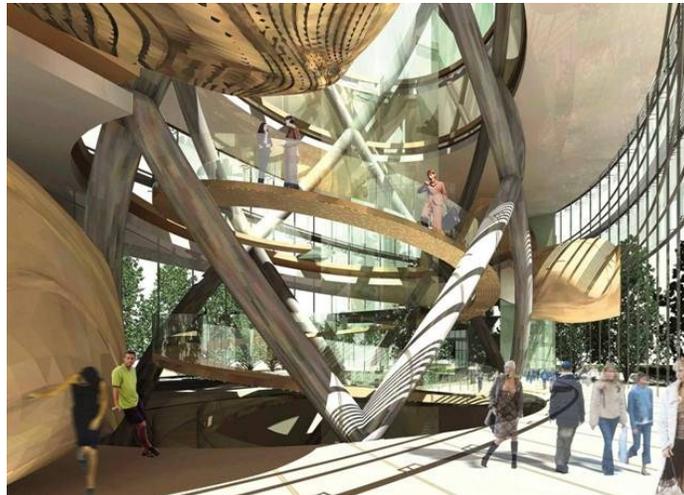# REPORT   The New AECOsim Building Designer

The long anticipated release of Bentley's AECOsim Building Designer was released last month! It is an efficient interdisciplinary product that has advantages for architectural, structural, mechanical, electrical and many more disciplines. It is a great product to take care of all of your BIM needs.

AECOsim Building Designer integrates interdisciplinary tools to ensure that your project is efficient, well done, and the best it can be. This integrated software is Bentley Architecture, Bentley Mechanical, Bentley Building Electrical, Structural Modeler, and Clash Detection, all running on top of MicroStation. By implementing the interdisciplinary collaboration, generative design, and multiple levels of simulation, it is one of the best BIM software products available on the market. This software can change the way you do Building Design because of the intuitive design process of collaboration. AECOsim Building Designer has advantages for all design disciplines.

For **Architectural Design**, there are many advantages to the new Building Designer. It helps architects improve project quality, reduce risk and save money in the design and documentation. An architect can create virtually any form without limits. It can compress your design development time and you get immediate visual feedback. You can easily predict performance, quantities and costs and reduce construction documentation time.

A visual of the complexity that can be accomplished in AECOsim Building Designer when designing a building.

For **Structural Engineers**, there are also many advantages including the ability to create structural components of any complexity. You can also integrate design, analysis and documentation to avoid data loss and reentry. You can avoid errors and omissions by assuring consistency across all forms of the project's documentation and enforcing compliance with corporate and project standards.

For **Mechanical Engineers**, you can empower your organization by working the way you want with flexible workflows and tools. You can compress your design development time by rapidly designing and modeling the most complex systems. And with multidisciplinary coordination and interoperability you can save time and costs for fabrication and installation through clash-free design.

For **Electrical Engineers**, you can focus on electrical design by automating construction documentation with support for real-world electrical design workflows. You can refine your design easily as you add design detail as the information becomes available with minimal effort. This will automatically update labels and other design data.

Overall, AECOsim Building Designer is advantageous for **Architects**, **Structural Engineers**, **Mechanical Engineers**, and **Electrical Engineers** because of the time and money it will save in the long run. It is efficient and an overall design product that will help collaboration between disciplines and give you an a well built, sustainable building that starts with the design.

Contact Archway today to find out how you can use this product to make your design process more efficient and money-saving.

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**), S.F. Bay area (**BA**), and Phoenix, AZ (**AZ**). 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 & AZ**
  - ◊ **HB Dates** — 7/17 to 7/20; 8/21 to 8/24; & 9/25 to 9/28
  - ◊ **AZ Dates** — 5/22 to 5/26
- **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 & BA**
  - ◊ **HB Dates —** 6/26 to 6/28; 8/1 to 8/3; & 9/5 to 9/7
  - ◊ **BA Dates** — 6/4 to 6/6; 7/9 to 7/11; 8/13 to 8/15; & 9/10 to 9/12
- **MicroStation User Update** — This course covers all of the major new capabilities of MicroStation V8i in a series of hands-on exercises. Students will learn about Workflow Task based interfaces and Project Explorer among other topics. Cost is $950. Location: **HB**
  - ◊ **V8 XM to V8i SS1** — 7/5 to 7/6 & 8/29 to 8/30
- **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.**
  - ◊ **V8i SS2 Edition —** 6/12 to 6/15 & 9/11 to 9/14
- **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.**
  - ◊ **V8i SS2 Edition** — 7/10 to 7/13
- **MicroStation for Advanced Users** — This course is for the experienced MicroStation user and focuses on improving user and work-group productivity. Cost is $1200. Location: **HB**
  - ◊ **HB Dates** — 5/9 to 5/11 & 8/7 to 8/9
- **Bentley Navigator** — This course covers how to use Bentley Navigator for review analysis, mark-up, and distribution of results to project team members. Cost is $500. Location: **HB**
  - ◊ **Dates** — 8/28

- **ProjectWise User Essentials** — This course introduces students to ProjectWise Explorer for managing documents throughout a project cycle. Cost is $500. Location: **HB**
  - ◊ **Dates** — TBD
- **Bentley Building Suite (3D) and Bentley Architecture Fundamentals V8i** — This course allows users to learn Bentley Architecture software products in order to create 3D building projects. Cost is $1250 Location: **HB**
  - ◊ **Dates** — 5/31 to 6/1; 7/25 to 7/26; & 9/18 to 9/19
- **InRoads Fundamentals** — This class is to introduce civil engineering designers to InRoads software for road design projects. Cost is $1500. Location: **HB & AZ**
  - ◊ **HB Dates** — 5/23 to 5/25; 7/24 to 7/26; & 9/19 to 9/21
  - ◊ **AZ Dates** — 8/7 to 8/9
- **Advanced Roadway Designer for InRoads** — This course is for advanced users of InRoads wishing to enhance their abilities in roadway design. Cost is $1500. Location: **HB**
  - ◊ **Dates** — 8/13 to 8/15
- **InRoads Surface Modeling for Roadway Designers** — This course is intended for advanced InRoads users and covers surface design and editing commands to modify and create surface models. Cost is $1025. Location: **HB**
  - ◊ **Dates** — 7/17 to 7/18
- **Pointools** — This course teaches point cloud users how to use Pointools Edit to create, edit, and animate their designs from point cloud scan data. Cost is $900. Location: **HB**
  - ◊ **Dates** — 6/12 to 6/14

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**
  - ◊ **Dates —** 5/22 to 5/24; 8/21 to 8/23; & 10/9 to 10/12
- **Rhino II** — This class will be an advanced version of the Rhino I class following more intricate processes at a faster work pace. It will cover the rest of Rhino's functionality which you do not cover in the first class. Cost is $795. Location: **HB**
  - ◊ **Dates —** TBD

Archway's Small Business Certification with Metro

Archway Systems, Inc. has officially been certified as a Small Business Enterprise (SBE) with the State of California and more specifically, the Los Angeles County Metropolitan Transportation Authority (Metro). This means we are now a certified SBE to do business on non-federally funded contracts through Metro. If you are working on a contract for Metro and need to fulfill your SBE goal, please consider Archway for any of your computer service or training needs.

The services we provide include custom computer programming, administrative management and general management consulting services, software publishing, professional and management development training, as well as other computer related services. More specifically we train and sell Bentley software products for many types of projects including:

- **ProjectWise**—Implementation, Training, and Customization
- **Energy Simulation**—Retrofit Studies, New Construction, Training for Energy Plus or Revit/Bentley based
- **BIM Modeling**—Starting from Blueprints, 2D CAD files, Point Clouds, and producing 3D Architectural model, 3D structural model and renderings
- **Point Clouds**—Scan and create the cloud, edit and fly-throughs
- **Software Training**—Bentley BIM, MicroStation, InRoads, Rhino, SketchUp, and more
- **3D Physical models**—Start from 3D computer model and produce 3D printed, physical scaled models
- **Software Development**—C Visual Basic and other languages

We have a lot of experience when it comes to working with large contracts. Some of our more recent contracts include:

- Customization of ProjectWise for **Connecticut Department of Transportation** (2011-Present)
- Developing 3D models, both computer and physical, of existing plant and adding new construction for **San Diego Gas and Electric** (2011-Present)
- IT work, ProjectWise consulting and training for **Los Angeles Community College District**'s Measure J projects including over 50 building projects (2009-Present)
- Training and software sales for **Stanford Linear Accelerator** (2001-Present)

Past contracts also include **Caltrans** and **Port of Long Beach** for specialized training in Bentley software.

If you have any questions about what we do, what we could do for you, or about Metro's SBE goals, please give us a call. We would love to help you in your projects and reach your SBE goal!

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 Win & Mac
- Bentley Architecture & Generative Components
- InRoads, PowerCivil & Geopak Civil Software
- Haestad Hydraulic Analysis Software
- AECOsim Energy Software
- Solid Edge and applications
- Promis*e
- Pointools Edit and applications

SERVICES:

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

3D GRAPHICS & ANIMATION SOFTWARE:

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

Archway Training Center

Checkout the training classes on page 3. Classes for every need for MicroStation, Haestad, InRoads, STAAD.Pro, RAM, Rhino, Solid Edge 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.

MyCADvideos.com

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