About SMART Competition

The SMART Competition is a high school level career and technical education program created to challenge students to learn about sustainable building and energy management design. The ultimate goal of the program is to create student interest in pursuing science, engineering, and technology-related careers, as well as to help them build an understanding of how real-life buildings deal with energy consumption.

We are a 501(c)3 charity. For more information, or to make a donation to support our program, please go to www.smartcompetition.org.

Questions? Contact Mike Andrews at m.andrews@smartcompetition.org or Mark Schneider at m.schneider@smartcompetition.org. Our address is 3702 East Shea Blvd, Ste. 500, Phoenix, AZ 85028.

Bentley Systems has donated the engineering software tools to conduct the design and analysis requirements of the SMART Competition. The applications are based on Bentley’s MicroStation platform. Students will use AECosim Building Designer and AECosim Energy Simulator, all of which are real-life tools used by construction design professionals around the world. For more information about Bentley Systems, go to www.bentley.com.

Getting Started

This Getting Started workbook contains instructions on signing up for the Student Server for academic software, tutorials, and resources provided by Bentley for the competition.
Course Description

The instructions contained are for downloading and installing software used for the competition.

Skills Taught

- Student Server sign up, Login and use
- Downloading Software
- Installing Software
- Bentley Software Activation Process
1. Join the Student Server

Upon successful completion of this Lesson you will have a Student Server account for use on the SMART Competition

**JOIN STUDENTSERVER**

To access Bentley’s STUDENTserver, use the following link: [http://www.bentley.com/studentserver](http://www.bentley.com/studentserver)

**Note: Adobe Flash Player is required for the Student Server Website. You will be prompted to install it if you do not have the correct version.**

1. From the main page of the STUDENTserver, click **JOIN NOW**.
2. **Fill out** the online form. Make sure that you write down the username and password that you create.
3. Click **JOIN NOW** when finished.
4. You will get this message:
5. Click **OK**.
6. You will receive an email from StudentServer-Admin@bentley.com that has a web link unique to each student:
SAMPLE EMAIL

Dear Sample Student,

Thank you for registering on Bentley's STUDENTserver. To complete the process, please click the following link or copy / paste it into your browser's address bar:

http://apps.bentley.com/studentserver/account/verifyemail?userName=samplestdnt@gmail.com&confirmationCode=369799282

Once you have validated your email address you can log into the STUDENTserver and take full advantage of the resources provided by this comprehensive service.

Thank you,

The Bentley STUDENTserver Registration Team

7. Clicking the link within the email will verify your email address and you will get this message:

8. Now that your email has been verified with the Bentley STUDENTserver, you will receive an email from StudentServer-Admin@bentley.com to welcome you to the STUDENTserver site with useful information about how to get started.

SAMPLE EMAIL

Hi Sample Student,

Welcome to Bentley's STUDENTserver site. Now that you are a member you have full access to all that is offered including:

- Software downloads and licensing
- Online training
- Participation in the Be Communities, Bentley's own social network site.

Be Communities contains a wealth of information about Bentley products, its users, projects and much more. You'll find forums, blogs, wikis, tech notes, file and image galleries to name a few. With over 50,000 registered members and counting this is the place to get valuable help and ask questions of professional users and Bentley colleagues.

Welcome aboard!

The Bentley STUDENTserver Registration Team

SMART Competition – Getting Started
STUDENTSERVER LOGIN

1. From the main page of the STUDENTserver, click **LOGIN**.
2. Enter your **email address** and the **password** you created for the STUDENTserver.

3. You are now logged into the STUDENTserver and have four important steps to complete.
DOWNLOADING SOFTWARE

Click on the Download Software link.

Selecting Files for Download

The software is listed by **product Name** on the left side column and has a list of selection options selecting Language will limit the list to only English.

Under ACECOsim Building Designer select All downloads

Select the Green download box to the right of the product

AECOsim Building Designer CONNECT Edition x64 Update 2 (English) Version 10.02.00.35

Accept the Terms of Use box

And the download begins.

Upon request we can send you the software via mail if you have downloads issues.

Contact Mark.schneider@bentley.com
Installing Software Process

Install AECOsim Building Designer From the download or from the file in the download folder. abd10020035en_updt2.exe

- When starting installation, you will also check the boxes to install Descartes, and Bentley LumenRT for visualization.
- Check the I accept the end user License Agreement box
- Select Install
- Select Yes to all ow changes to be made on your computer
- The installation and downloading datasets and documentation will occur during installation.

![AECOsim Building Designer CONNECT Edition - Update 2](image1)

![AECOsim Building Designer CONNECT Edition - Update 2](image2)
Bentley Software Activation Process

As part of most Bentley software installation processes you are prompted to use the Product Activation Wizard to register your product. This requires the activation key provided on the Software Download page of the STUDENTserver. This is a 29+ character code associated with your school for "Home Use" on your personal laptop or desktop computer.

When you run the Product Activation Wizard immediately after installation you are prompted to identify the type of SELECT server your Site Activation Key will be activated against. You must choose the hosted (Bentley) SELECT Server option.

1. When the Product Activation Wizard appears, select the first option:
   "SELECT subscriber activating against a hosted (Bentley) SELECT Server"

2. Click Next.

You are prompted only for your Site Activation Key.

3. Enter the site activation key character string from the STUDENTserver Software Download page into the Site Activation Key field. You can use copy (Ctrl-c) and paste (Ctrl-v) from the software download web page to this field.

   Copy/Paste your key into the Site Activation Key field.

4. Click Next.

5. Confirm the Server Name (selectserver.bentley.com) and Site Activation key information then click Finish to complete the Activation process.

SMART Competition – Getting Started
At this point, you can run your Bentley product without interruption. Each time you start your program, the software will attempt to validate your account via the internet. You can run up to 30 days disconnected from the internet before the product reverts to its demo mode (runs for 15 minutes before automatically shutting down). Reconnection to the internet will revalidate your copy of the product and restart the 30 day timer.

**RESTARTING THE PRODUCT ACTIVATION WIZARD**

If, during the product installation process you skip the product activation step, you can always run it after the fact. Each Bentley product provides access to the License Manager either within the product itself or as part of the Start Menu > Programs product folder. For instance, to access the Product Activation Wizard in MicroStation V8i, follow these steps:

1. Start the program MicroStation V8i (in Classic Start menu mode: Start menu > Programs > Bentley > MicroStation V8i > Bentley MicroStation V8i)

   If you are past the 30 day disconnected mode and in the demo mode, you can still access the License Manager (Product Activation Wizard) during the 15 minute demo period.

2. Open any design file or create a new one and open it.

   The purpose of this step is to get into the MicroStation design environment.

3. Once in MicroStation V8i, select Utilities menu > License Management...

   The License Management Tool dialog appears.

4. From the License Management Tool dialog select Tools menu > Product Activation Wizard

5. Resume the product activation process described in the previous section.

Once you have installed and licensed the applications please send an email to mark.schneider@bentley.com and we will send the Dataset and competition guide to start the Project.