

SMART Competition Getting Started

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.

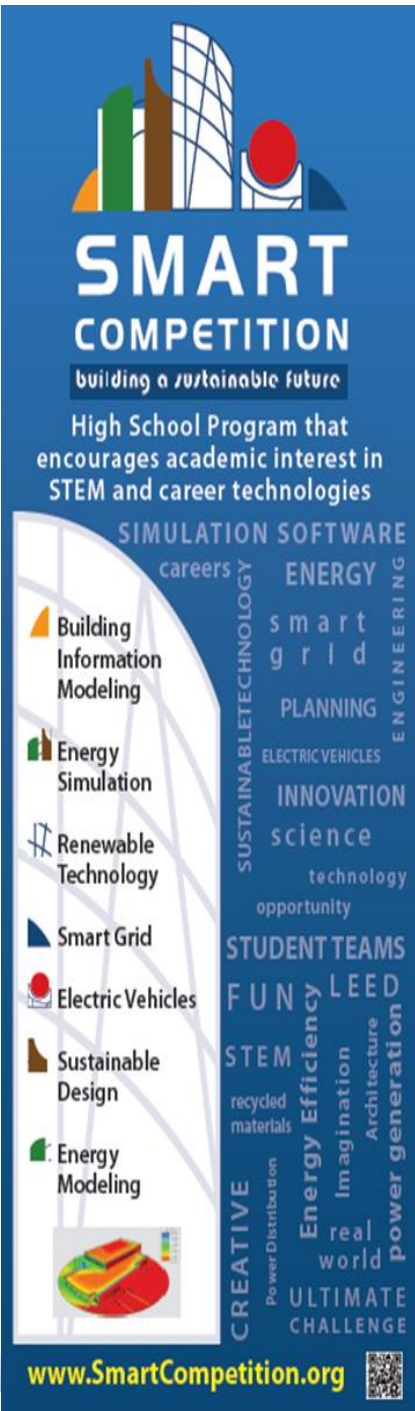
Questions? Contact Mike Andrews at m.andrews@smartcompetition.org or Mark Schneider at m.schneider@smartcompetition.org. Our address is 3702 East Shea Blvd, Ste. 500, Phoenix, AZ 85028.



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.



Student Resources Hardware Requirements, Software Downloads and Installation

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

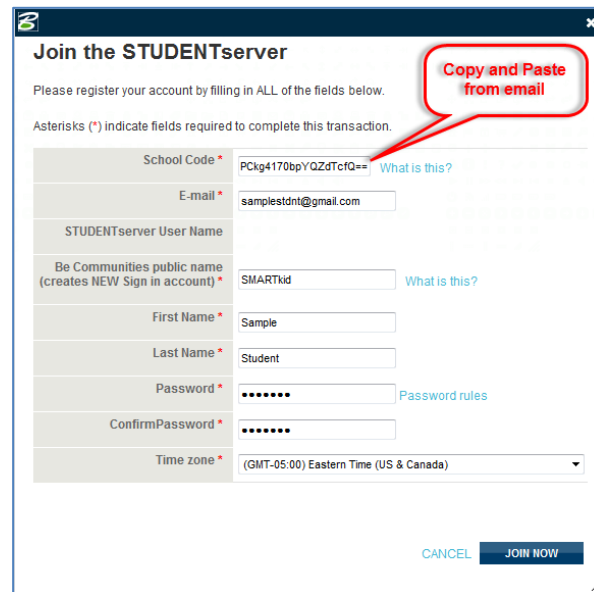
To access Bentley's STUDENTserver, use the following link: <http://www.bentley.com/studentserver>

***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.*

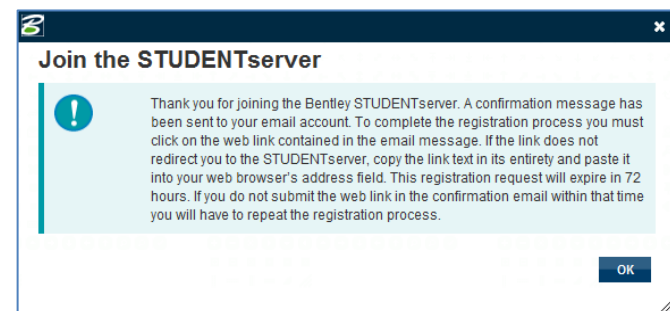
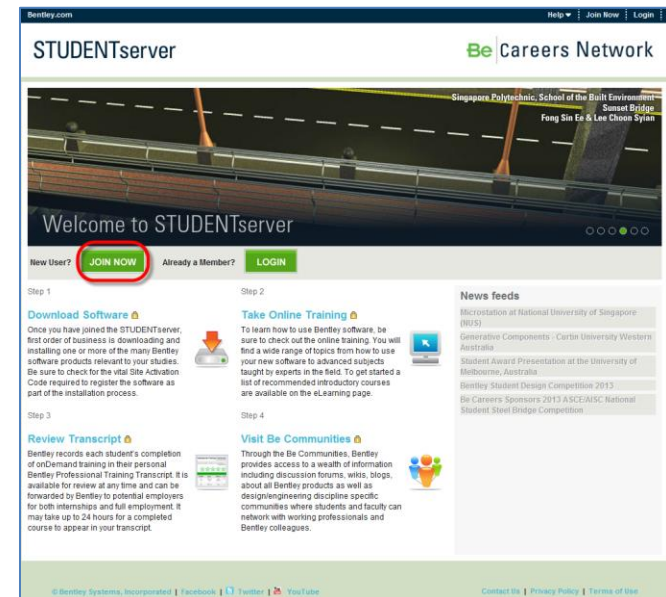
1. From the main page of the STUDENTserver, click **JOIN NOW**.
2. **Fill out** the online form. **Make sure that you write down the username and password that you create.**

3. Click **JOIN NOW** when finished.

4. You will get this message:



6. You will receive an email from StudentServer-Admin@bentley.com that has a web unique to each student:



link

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.

STUDENTserver**Be Careers Network**

Verify your Email Address



Thank you for activating your STUDENTserver account. At this point, you can log in using your email address and password. To take full advantage of STUDENTserver be sure to explore its options starting with downloading and activating Bentley Software.

In addition to activating your account on STUDENTserver, a separate account on Be Communities, Bentley's social network site, has been created on your behalf. The username on Be Communities is the screen name you entered when you joined STUDENTserver and the password is the same as the one used on this site.

You can directly access the Be Communities via the Student landing page by clicking the Additional Academic Resources link on the STUDENTserver home page.

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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

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.

Bentley.com

Bentley

Introducing Single Sign-on

The next time you sign in to SELECTservices, Be Communities*, Bentley LEARN Server, STUDENTserver or any other Bentley web site, your sign-on will be updated, allowing you to access any and all of these sites.

ONE TIME SETUP

Bentley Users: Enter your email and password to follow the steps to create your single sign-on. [Learn more](#)

*Be Communities Members: When setting-up your single sign on for the first time, use your sign-in name in place of email. Then follow the steps to create your single sign-on. [Learn more](#)

Sign In

Email* samplestdnt@gmail.com

Password *****

[Forgot password?](#)

[Sign In](#)

[CREATE AN ACCOUNT](#)

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

Bentley.com

Hello, Sample My Profile Help Logout

STUDENTserver **Be Careers Network**

Welcome to STUDENTserver

Step 1

Download Software

Once you have joined the STUDENTserver, first order of business is downloading and installing one or more of the many Bentley software products relevant to your studies. Be sure to check for the vital Site Activation Code required to register the software as part of the installation process.

Step 2

Take Online Training

To learn how to use Bentley software, be sure to check out the online training. You will find a wide range of topics from how to use your new software to advanced subjects taught by experts in the field. To get started a list of recommended introductory courses are available on the eLearning page.

Step 3

Review Transcript

Bentley records each student's completion of onDemand training in their personal Bentley Professional Training Transcript. It is available for review at any time and can be forwarded by Bentley to potential employers for both internships and full employment. It may take up to 24 hours for a completed course to appear in your transcript.

Step 4

Visit Be Communities

Through the Be Communities, Bentley provides access to a wealth of information including discussion forums, wikis, blogs, about all Bentley products as well as design/engineering discipline specific communities where students and faculty can network with working professionals and Bentley colleagues.

News feeds

- Microstation at National University of Singapore (NUS)
- Generative Components - Curtin University Western Australia
- Student Award Presentation at the University of Melbourne, Australia
- Bentley Student Design Competition 2013
- Be Careers Sponsors 2013 ASCE/AISC National Student Steel Bridge Competition

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Bentley.com

Help Join Now Login

STUDENTserver **Be Careers Network**

Welcome to STUDENTserver

New User? [JOIN NOW](#) Already a Member? [LOGIN](#)

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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

[AECOsims 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

Download

Download Software

YOU NEED THIS KEY TO ACTIVATE YOUR SOFTWARE

Site Activation Key:

How do I activate my Bentley Software?

Search by product name

Sort By Product Name Copy Link

Product Line

Brand

Generation

Release Type

General Availability (444)

Language

English (444)

Deliverable Type

Application Architecture

Operating System

Deliverable Status

Released (444)

Product Status

Date

Clear All

ABB Content (General Availability)

ABB Content

All Downloads

ABB Content for Promis.e (DGN) (General Availability)

All Downloads

ABB Content for Promis.e (DWG) (General Availability)

All Downloads

Acute3D Viewer (General Availability)

Acute3D Viewer: ContextCapture's free lightweight visualization module. It is optimized for ContextCapture's 3MX and S3C formats, which handle level-of-detail, paging and streaming, thus allowing vis... [More »](#)

All Downloads

AECOsims Building Designer (General Availability)

AECOsims Building Designer is multidisciplinary Building Information Modeling (BIM) software for building teams including tools for architectural, structural, mechanical, and electrical systems design,... [More »](#)

All Downloads

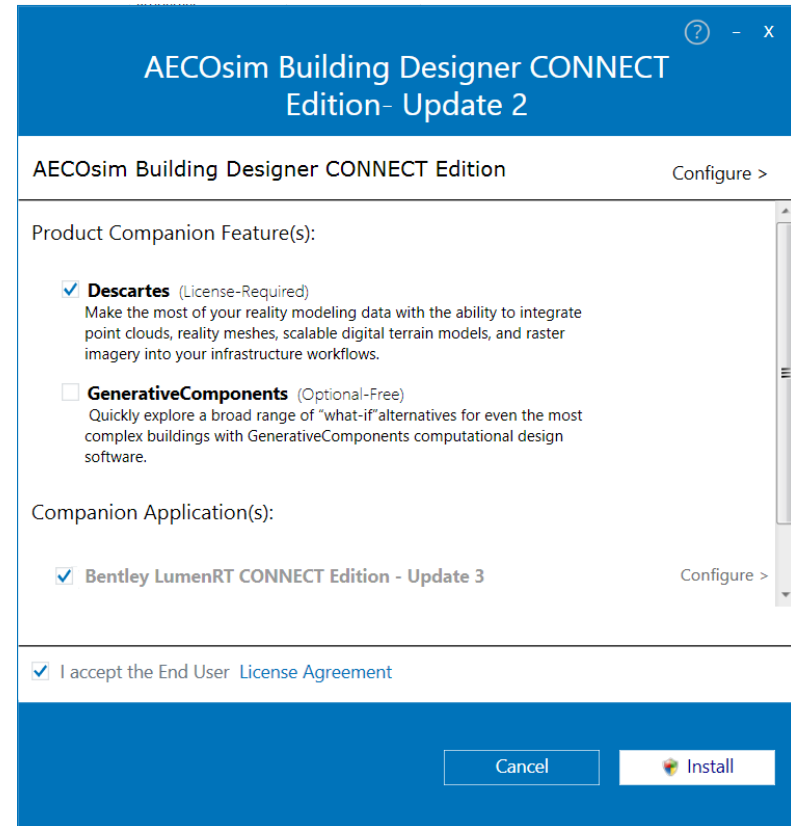
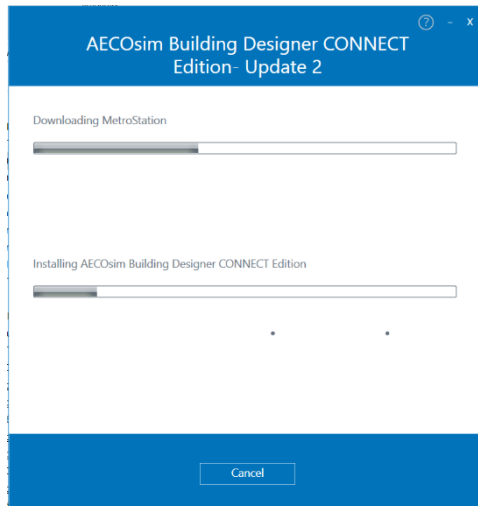
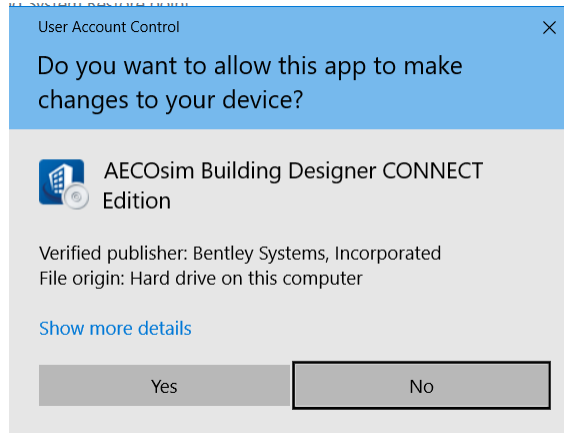
	Product Download	Version	Date	Size	Download
<input type="checkbox"/>	AECOsims Building Designer CONNECT Edition x64 Update 2 (English)	10.02.00.35	12/16/2017	1145 MB	<input type="button" value="Download"/>
<input type="checkbox"/>	AECOsims Building Designer CONNECT Edition x64 Update 1 (English)	10.01.00.36	09/21/2017	1064 MB	<input type="button" value="Download"/>
<input type="checkbox"/>	AECOsims Building Designer CONNECT Edition x64 (English)	10.00.00.154	05/25/2017	1274 MB	<input type="button" value="Download"/>
<input type="checkbox"/>	AECOsims Building Designer V8i (SG) (English) 32-bit	08.11.09.866	05/25/2016	1989 MB	<input type="button" value="Download"/>
<input type="checkbox"/>	AECOsims Building Designer V8i (US Metric) (English) 32-bit	08.11.09.866	05/25/2016	1769 MB	<input type="button" value="Download"/>
<input type="checkbox"/>	AECOsims Building Designer V8i (UK) (English) 32-bit	08.11.09.866	05/25/2016	1906 MB	<input type="button" value="Download"/>
<input type="checkbox"/>	AECOsims Building Designer V8i (ANZ) (English) 32-bit	08.11.09.866	05/25/2016	2004 MB	<input type="button" value="Download"/>
<input type="checkbox"/>	AECOsims Building Designer V8i (DK) (English) 32-bit	08.11.09.866	05/25/2016	1879 MB	<input type="button" value="Download"/>

SMART Competition – Getting Started

Installing Software Process

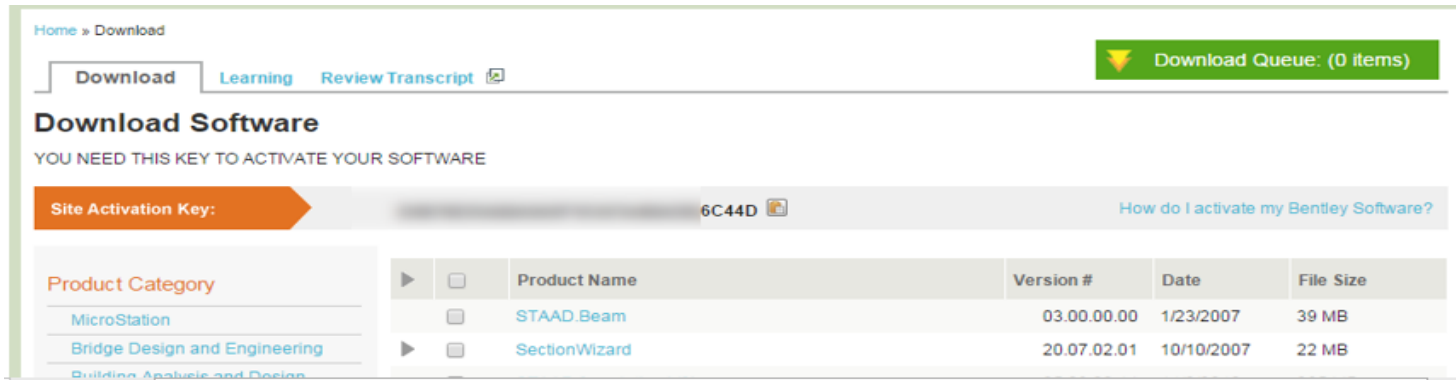
Install AECOsim Building Designer From the download or from the file in the download folder. abd10020035en_updt2.exe

- 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 .



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.



Home » Download

Download Learning Review Transcript

Download Queue: (0 items)

Download Software

YOU NEED THIS KEY TO ACTIVATE YOUR SOFTWARE

Site Activation Key: 6C44D [How do I activate my Bentley Software?](#)

Product Category		Product Name	Version #	Date	File Size
MicroStation	<input type="checkbox"/>	STAAD.Beam	03.00.00.00	1/23/2007	39 MB
Bridge Design and Engineering	<input type="checkbox"/>	SectionWizard	20.07.02.01	10/10/2007	22 MB
Building Analysis and Design					

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.



Product Activation Wizard

Activating against a SELECT Server
Please enter your SELECT Server information.

If you are activating against a local SELECT Server, you are required to provide the server name and site activation key. If you are activating against Bentley's SELECT Server, your server name is provided.

Server Name: selectserver.bentley.com

Site Activation Key: [Redacted]

☐ Use HTTPS (SSL)

Proxy... Test Connection

Settings stored for: All Users of this Machine

<Back Next> Cancel

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.

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.