

AS19433-L FormIt Lab

Brandon Wlosinski and Daniel Siroky

Virtual Design and Construction at BNIM

@bwlosinski @dsiroky

Class summary

This lab is designed to give users hands-on experience with FormIt software. We will go step-by-step through creating geometries in FormIt, bringing geometries in from other programs, modeling them together to form a cohesive model utilizing basic and advanced tools, creating and applying materials, adding levels, reporting different object properties, grouping objects, arraying objects, running energy and daylight analyses, starting a sharing session with others, and then transitioning the model to Revit software. You will gain firsthand experience with utilizing this new and powerful toolset that can literally travel anywhere with you

Key learning objectives

At the end of this class, you will be able to:

- Learn basic functions of FormIt
- Discover advantages of Pro features
- Discover difference between existing products and how they fit into a FormIt workflow
- Learn how to create your own FormIt workflow

A360 Account and FormIt Pro

- If you do not have an A360 Account, you can either sign up for one or use one of our generic ones:
bnimau1-5@bnim.com
 - Password is formittraining1
- Go to formit360.autodesk.com and click Launch.
- Click the Sign In button
- Click the Pro Menu and choose to start your free trial of FormIt Pro
 - If you have already used up your trial, let us know so we can get you a generic account to use for the day.

What is FormIt?

FormIt is a BIM tool

FormIt is derived with the intent to create BIM geometries. Immediately, upon starting to model in FormIt, you are creating smart geometries that begin to carry information about themselves to be used later. We will drill into how we create and manage this information throughout this training.

FormIt is for Pre-Design onwards

FormIt is the tool to use at any stage of design from Pre-Design all the way through Design Development for different tasks. Right off the bat, you can begin modeling off of a sketch or surrounding site conditions or design criteria. Once you get a design challenge, FormIt can be your tool to start, and it can start anywhere, be it from a desktop or mobile, in the office or with a client. You can update and refine the design as you go forward, and bring it into latter stages of design to hand off to other tools when needed.

FormIt makes everyone friends with Revit

FormIt natively saves your models in a RVT file, so the geometries and information you define in it are carried over natively. Not only that, but we can import Revit information to FormIt. We can also convert SketchUp, Rhino, and other geometries to be inserted into the files as well. Once they are brought in and become part of the file, they too can be layered with information and natively moved to Revit.

FormIt is for all systems

FormIt is a web-based tool, which means that the program is made with hardware agnosticism in mind. Whether you are on a Mac or PC or something altogether different, as long as you have a WebGL enabled browser, you will be able to run FormIt. Since FormIt is cloud based, it gets updates direct from the developers and happens without any downtime for reinstallation or massive firm-wide deployments.

FormIt is still progressing

FormIt has been released for over two years now, and in that time has seen itself change drastically. By being a web-based cloud tool, quick development and change will keep FormIt on the cutting edge of design tools.

Intro to the UI

Example 1: Modeling the Johnson Wax

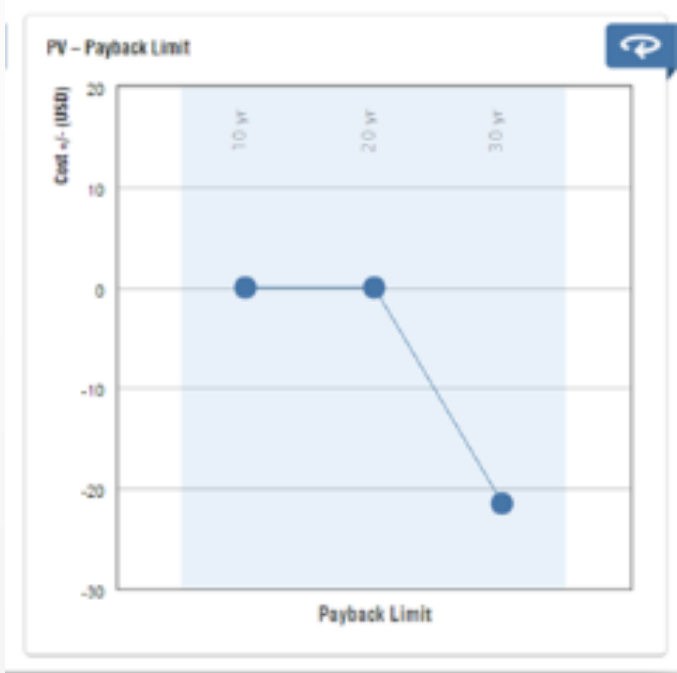
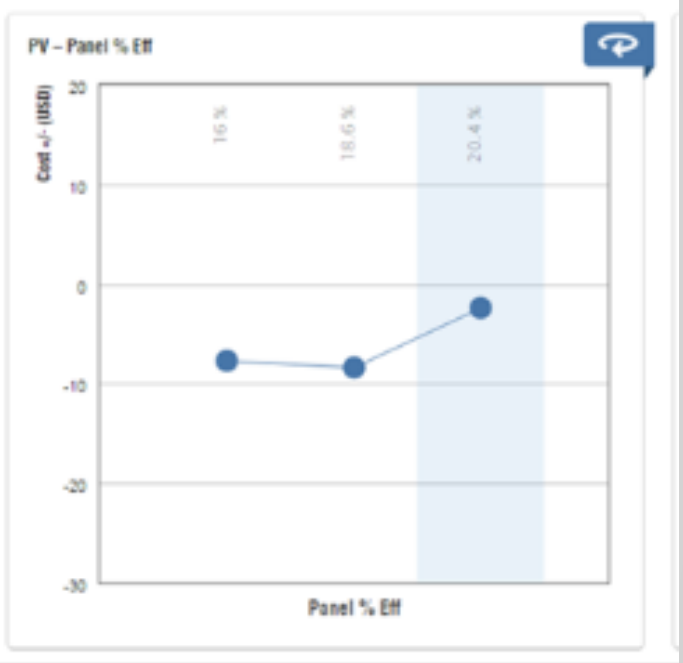
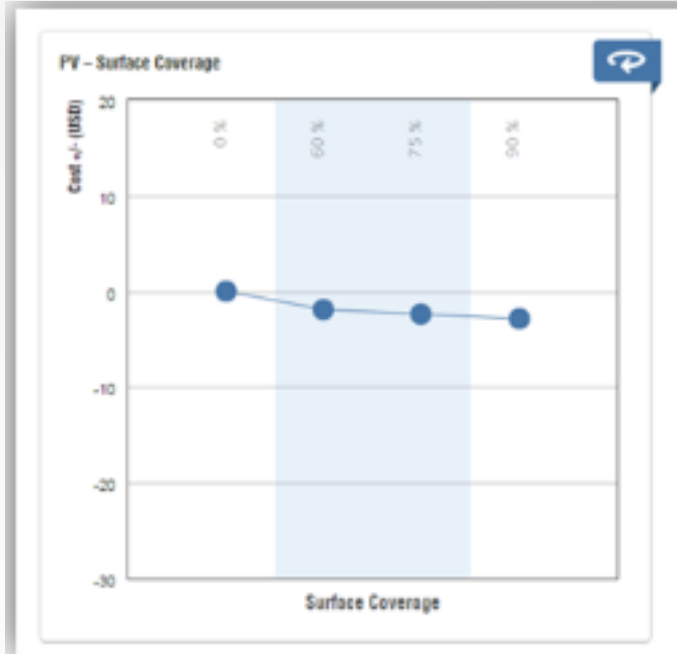
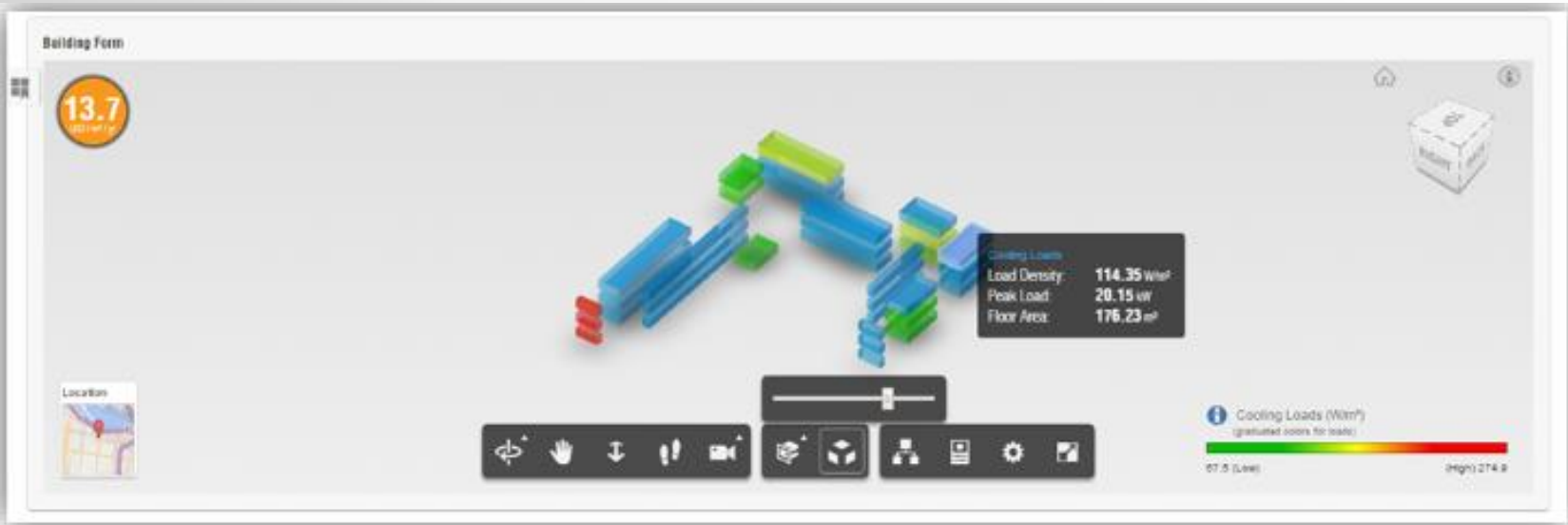
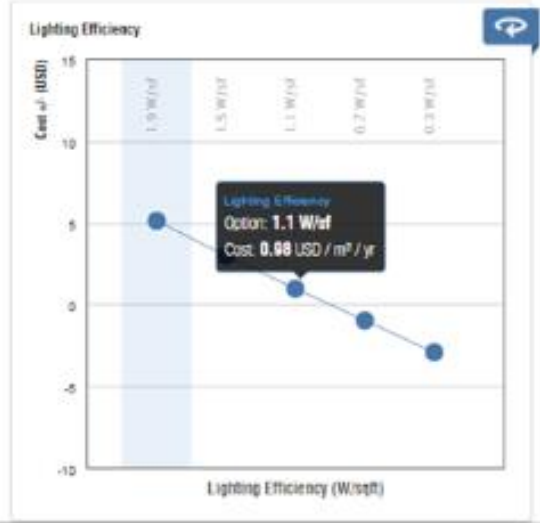
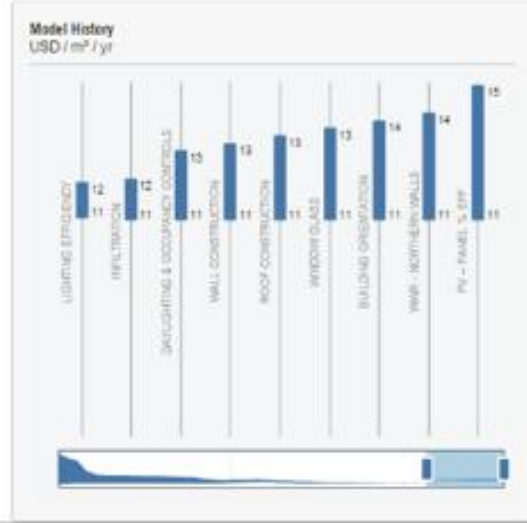
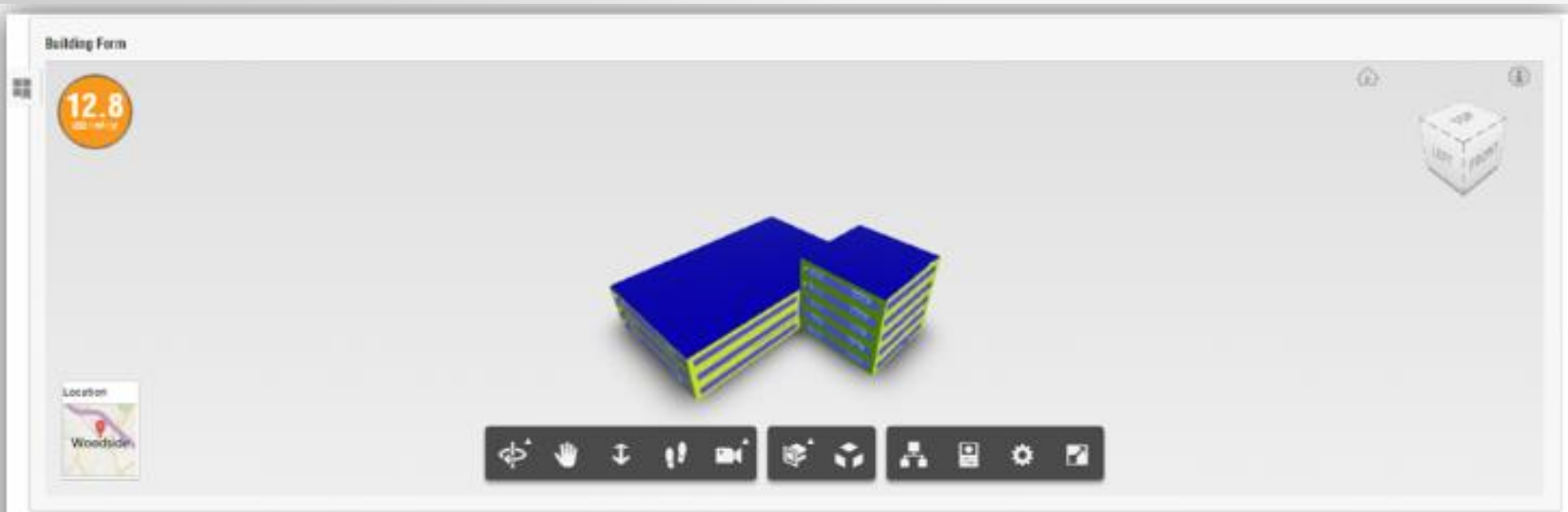
Before We Begin...

- Download the plan image file at <https://goo.gl/5dC5Xi>

Example 2: Analyzing a Model in Context

Before We Begin

- Download the site file located here: <https://goo.gl/jg0Pqm>
- If you get lost, download the full pre-made file and go to the scene where we are at: <https://goo.gl/xWAtNO>



Questions?

Thank You!

- Keep in Touch:
 - Daniel Siroky
 - dsiroky@bnim.com
 - @dansiroky
 - Brandon Wlosinski
 - bwlosinski@bnim.com
 - @bwlosinski
 - BNIM
 - @BNIM
 - <http://bnim.com>

