Get the Most Out of the AEC Collection: Use FormIt for Early Stage Design

AS466565

Heather Lech, AIA
Product Manager | Autodesk, Inc
About the speaker

Heather Lech, AIA

Heather has been working for Autodesk since 2005 where she’s been involved in designing, developing and testing Autodesk software. She is a licensed architect, practicing in the field for eight years before joining Autodesk. Her current role is Product Manager for FormIt, which is part of the AEC Generative Design Group.

Heather.Lech@Autodesk.com
Click to view video:
https://youtu.be/fE9PemPzvqA
Get the Most out of the AEC Collection: Use FormIt for Early Stage Design

LEARNING OBJECTIVES

Bring in 3D context from InfraWorks to use in FormIt Pro to start your model with accurate buildings and terrain.

Integrate the power of Dynamo into early design exploration without leaving FormIt’s intuitive interface.

Import a FormIt model into Revit for scheduling and quantification of space-planning and feasibility studies.

Import a FormIt model into Revit for advanced visualization while preserving FormIt materials.
InfraWorks Model Builder is a great way to quickly generate 3D context for your FormIt project. Model Builder generates roadways, topography, and building data, which then imports to FormIt via FBX.
Click to view video:
https://youtu.be/t7QhF1fEZmk
Click to view video:
https://youtu.be/tR-NM6g0Kuo
FormIt’s integration with Dynamo allows you to use computational algorithms for repetitive tasks like stairs and curtainwalls, and explore design options for building layouts, façade studies and more.
Click to view video:
https://youtu.be/nGbn-MqjsCA
Click to view video:
https://youtu.be/pDXUeLvMY4k
FormIt and Revit together create enticing workflow for early studies of programming and site feasibility. This exercise will demonstrate how to assess three design options for a site and quantify area and usage in simple diagrams to present to the client.
Click to view video:
https://youtu.be/Dnn1rOdhch8
Walkthroughs and real time visualization are a great way to engage clients and consultants in the design process. FormIt’s geometry and advanced materials for early stage design easily transition to Revit for more visualization options. FormIt materials display in Revit’s realistic visual style with no additional rework.
Click to view video:
https://youtu.be/xtUxc5hiUQ
Get the Most out of the AEC Collection: Use FormIt for Early Stage Design

LEARNING OBJECTIVES

✓ Bring in 3D context from InfraWorks to use in FormIt Pro to start your model with accurate buildings and terrain.

✓ Integrate the power of Dynamo into early design exploration without leaving FormIt’s intuitive interface.

✓ Import a FormIt model into Revit for scheduling and quantification of space-planning and feasibility studies.

✓ Import a FormIt model into Revit for advanced visualization while preserving FormIt materials.
FormIt is for Designers who want...

A fluid 3D sketching experience for early stage design inside the Autodesk ecosystem.
A combination of environmental analysis (Insight) and compute integration (Dynamo) for informed design exploration.
A seamless integration with Revit for less rework when transitioning from conceptual design to detailed design and documentation.
Get the Most out of the AEC Collection: 
Use FormIt for Early Stage Design

NEXT STEPS

See the handout for detailed step-by-step instructions for each learning objective, tips and tricks, and links to more information about FormIt!

Please join the Q+A session to ask questions and get insight into the product roadmap:
   Check the AU guide for the specific time!

Tune into more AU 2020 FormIt classes:
   Early Design Workflows for Building Design Projects Within the AEC industry, Daniel Wood
   Generative Design at Hogwarts: Using Tech Instead of Magic, Jacob Small
   双剑合璧, 从FormIt概念设计到Revit施工图设计, Zhengrong Fu (in simplified Chinese)

Thank you for watching!