

# Partnering for BIM Lifecycle Success

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# Class summary

**FM2275** - FM:Systems® Building Information Modeling (BIM) integration software enables architecture, engineering, construction (AEC), and facilities professionals to connect Autodesk® Revit®-based software models to a cloud-based system to help them manage space, plan maintenance, and more. This class explores the opportunity for AEC professionals and building owners and operators to partner on a BIM lifecycle approach to managing facilities. We demonstrate how to create and maintain a live bidirectional integration between Revit software and the FM:BIM cloud-based system. We explore how AEC professionals can work more closely with building owners to develop BIM guidelines, workflows, and methods of integrating Revit models into a full BIM lifecycle. Finally, we discuss setting up a model in Revit, including defining rooms, spaces, and assets and publishing facility plans from Revit into FM:BIM.

# Key learning objectives

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

- Describe how the design team fits into the BIM lifecycle of a building
- Explain how a Revit model can be used to expand the services that design and construction teams provide to building owners
- Set up BIM lifecycle workflows, including round-tripping model information between Revit and an integrated workplace management system
- Connect a Revit model to FM:Systems BIM lifecycle solutions

# Lifecycle BIM for AEC and Facilities Teams



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*Lifecycle BIM for AEC and Facilities Teams*

*Ziggurat of Mesopotamia*



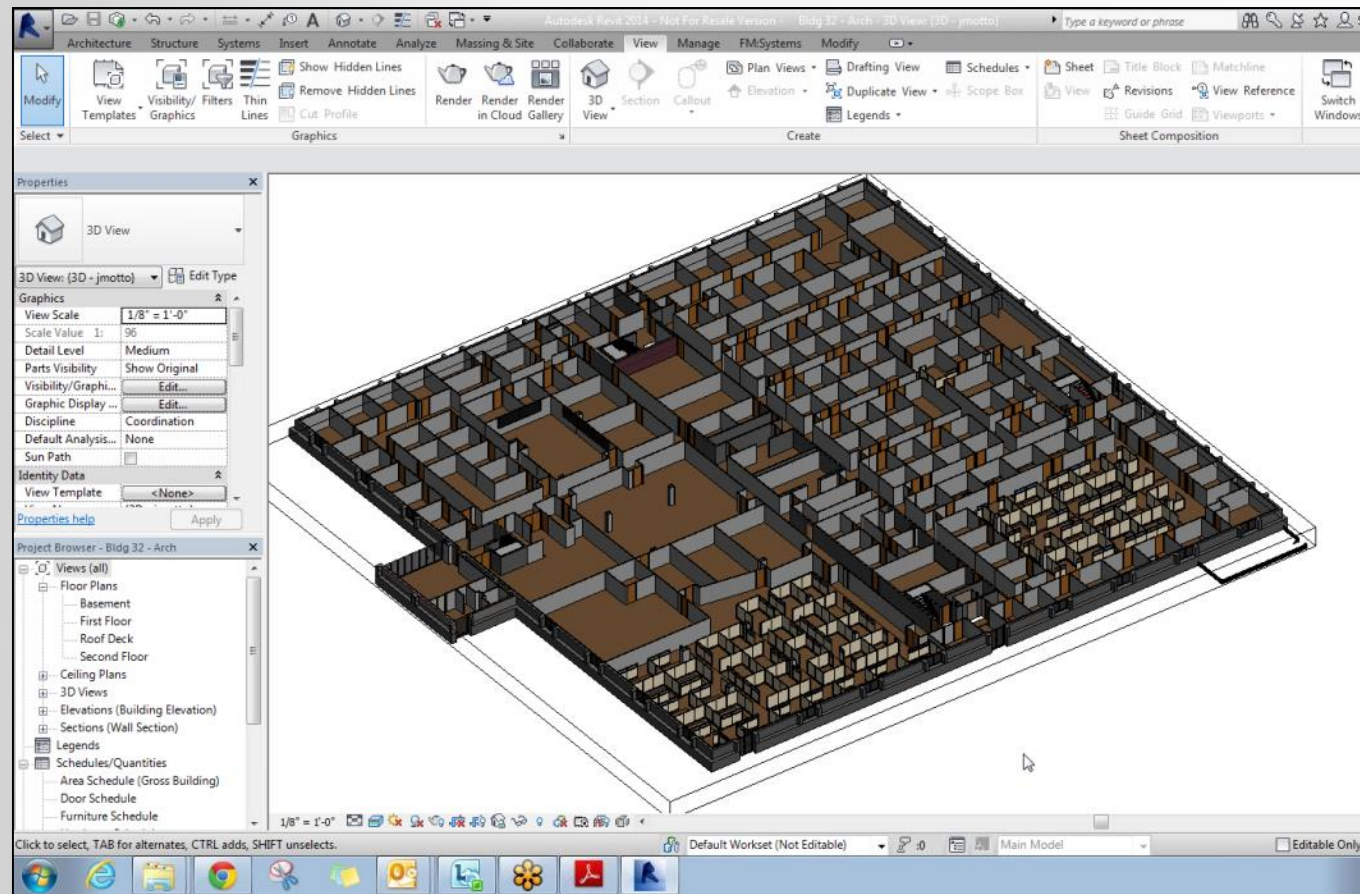
*Pyramids of Egypt*



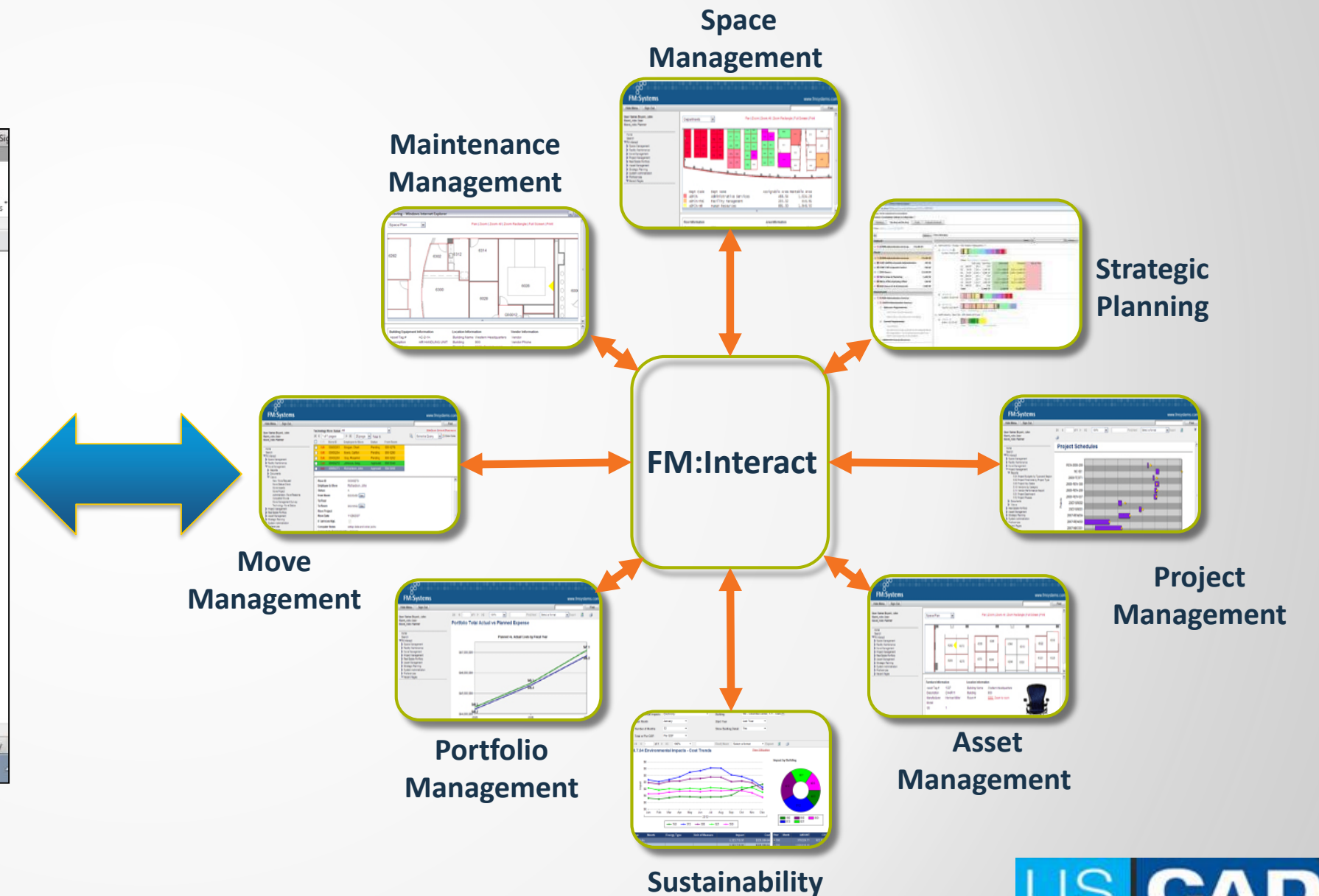
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## *Lifecycle BIM for AEC and Facilities Teams*

*Revit – A daily tool for AEC professionals*



*FM:Interact – A daily tool for facilities professionals*



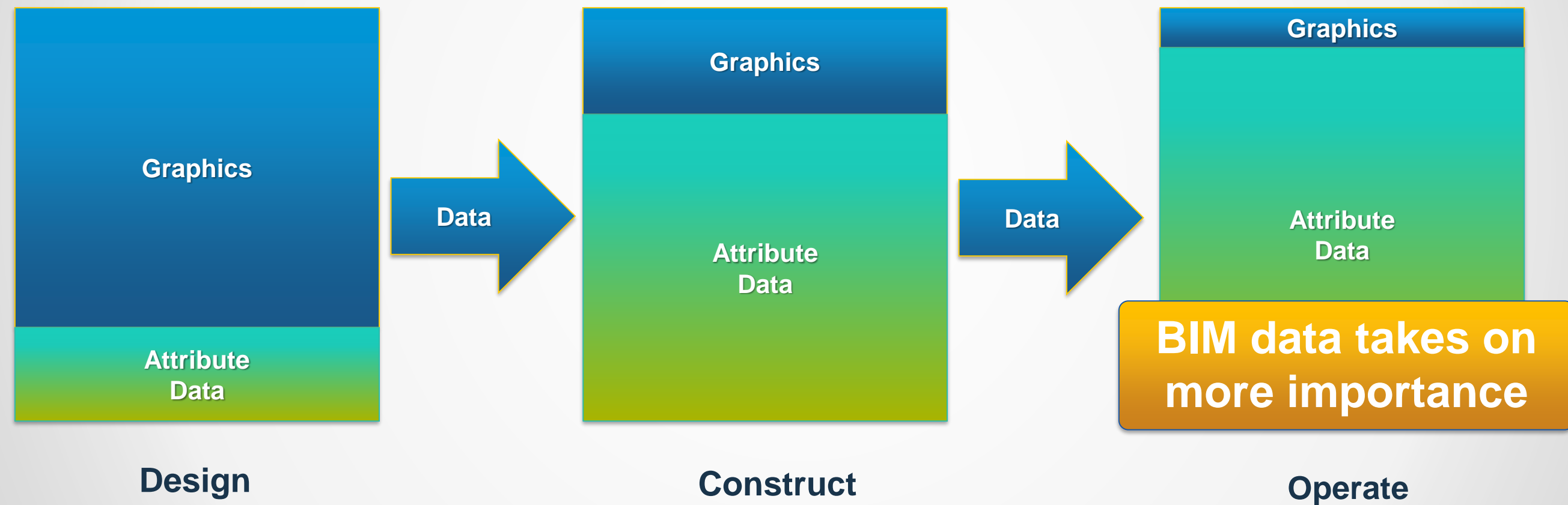


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*Lifecycle BIM for AEC and Facilities Teams*

## BUILDING INFORMATION MODELING

*THE IMPORTANCE OF THE “I” (INFORMATION) IN BIM increases once a building becomes operational*

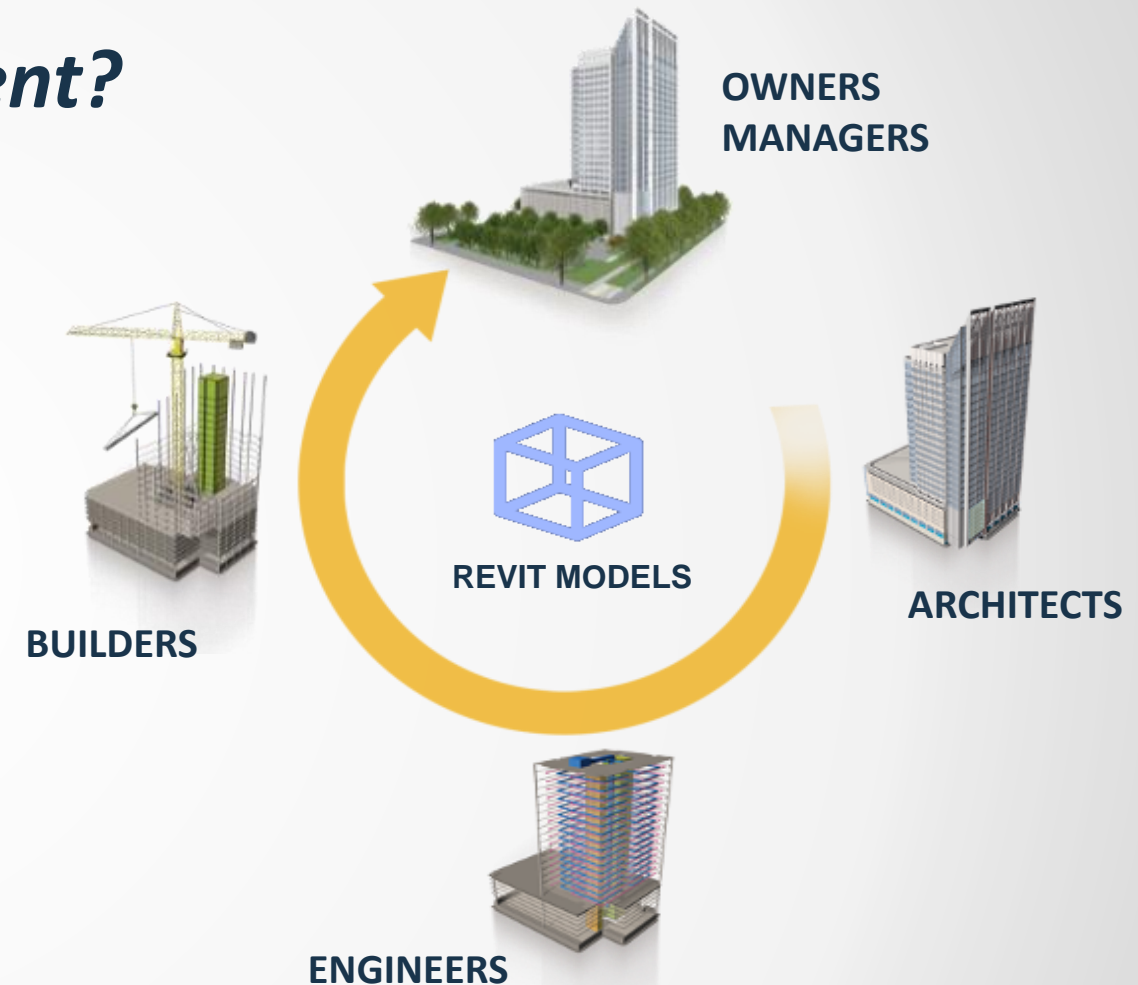


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## *Lifecycle BIM for AEC and Facilities Teams*

### ***What is FM:Interact's BIM Integration Component?***

- Cloud-based system for facilities with an Autodesk® Revit® add-in
- Maintains a live integration between the Revit model and the Cloud
- Allows for the population and maintenance of building data at any point in a buildings lifecycle



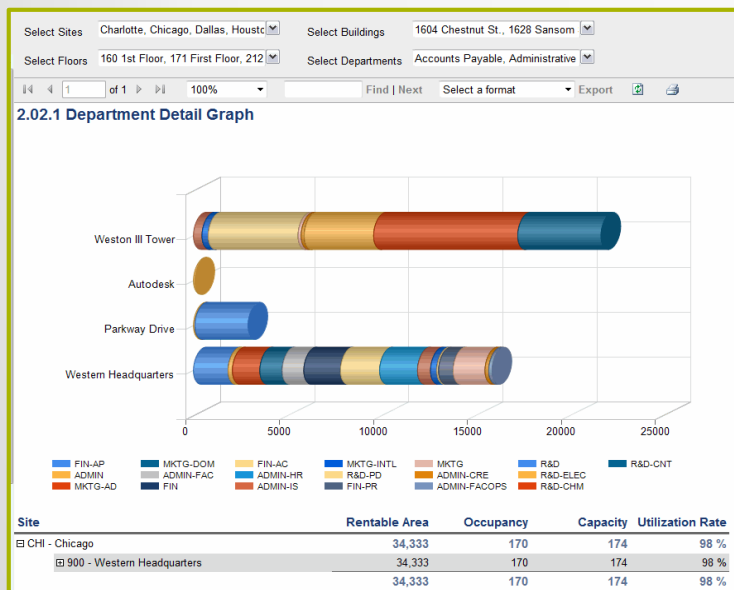


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## *Lifecycle BIM for AEC and Facilities Teams*

### *What does this supplement Revit?*

- Infinite Attribution
- Big Data Reporting
  - Space + HR + CMMS + IT + etc.
- Role and User based security
- Integrates BIM Lifecycle process into daily facilities workflows

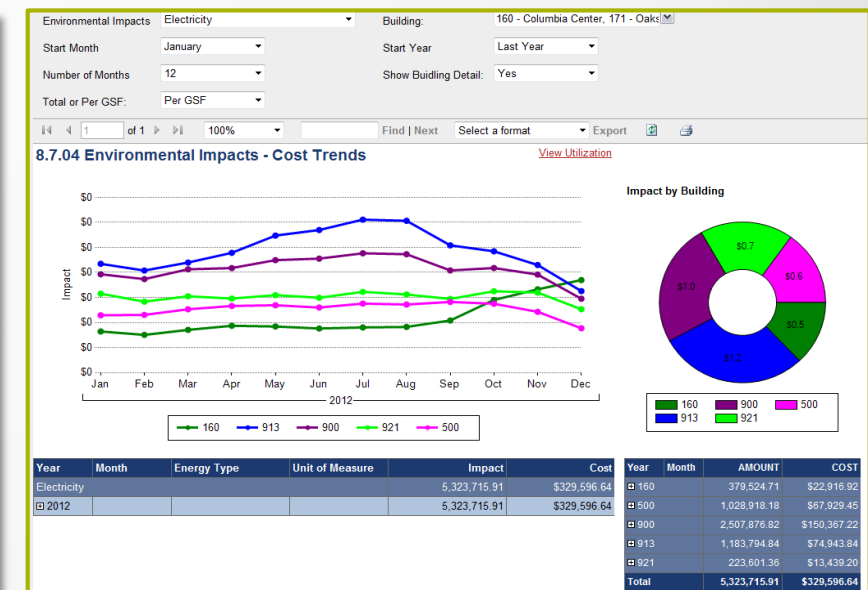


FM:Systems

Welcome Robert Talley  
Primary User Role is: Service Admins

Service Status Check

Req No.	Requestor	Requester	Department	Date Rec.	Room For	Status	Service C.	Assignee
00008016	John Bryant	Gray, Ros.	ADMIN-HR	12/20/2012	900 6262	D		Hodd, Do
00008015	John Bryant	Bryant, Jo...	ADMIN-FAC	7/5/2012	900 6870	O		
00008014	John Bryant	Bryant, Jo...		2/17/2012	900 6870	O		
00008013	John Bryant	Bryant, Jo...		2/17/2012	900 6870	O		
00001555	administra...			8/16/2012		O		
00001545	John Bryant	Jodrey, Don		8/16/2012	900 6600	O		Hodd, Do
00001544	John Bryant	Henry, Da...		8/15/2012	500 1SE02	P		
00001543	Sandra C. Carsoni			8/15/2012	900 6526	H		
00001542	Sandra C. Carsoni			8/15/2012	900 6526	O		Patterson
00001541	John Bryant	Michaels...		8/15/2012	900 6006	O		Patterson

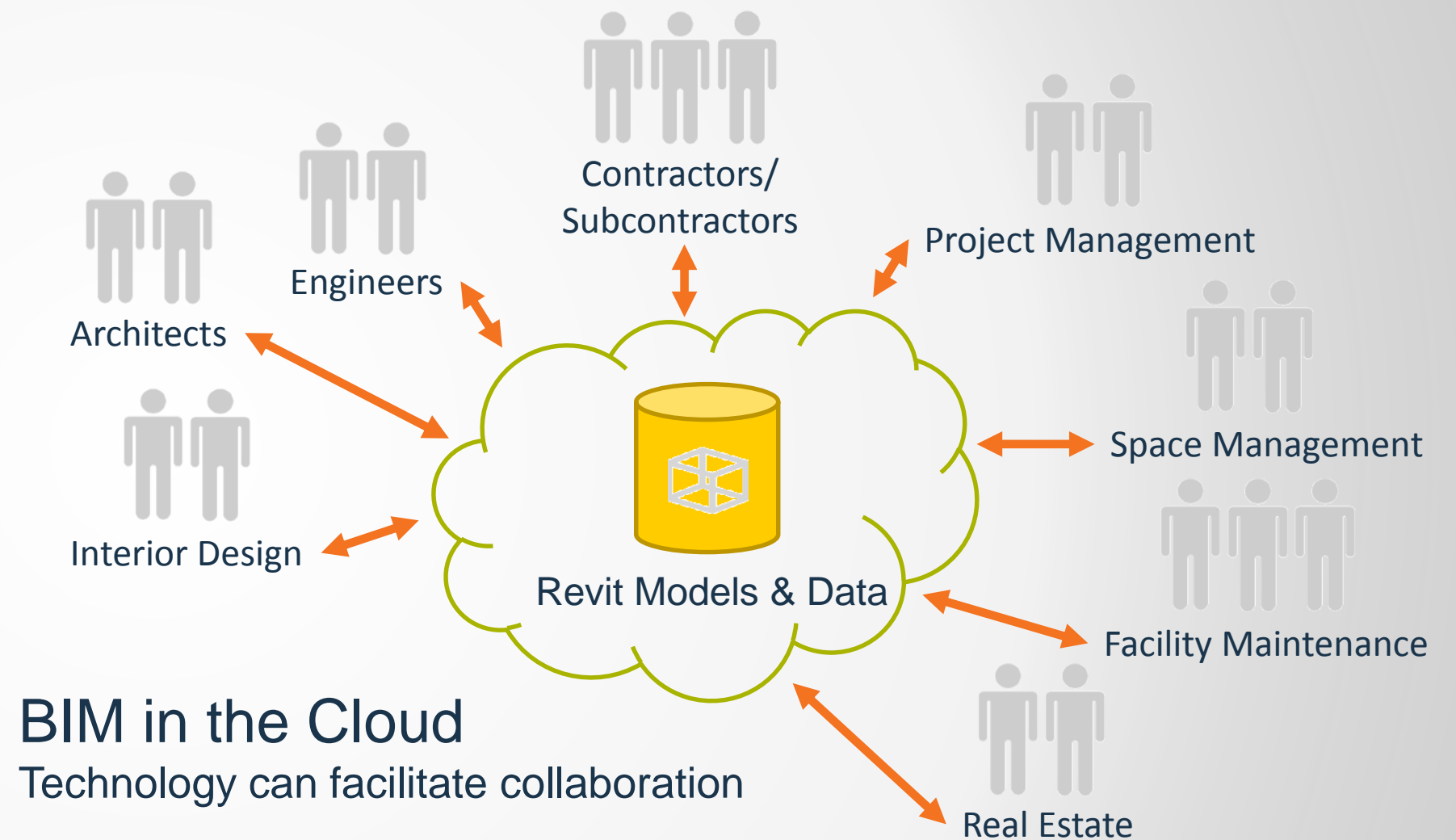


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## *Lifecycle BIM for AEC and Facilities Teams*

### *Summary of capabilities and benefits*

- Distributed secure Cloud based access
- Model maintenance and health
- Model(s) are part of the continual facilities planning and upkeep process
- Helps to realized the promise of the “I” in BIM for facilities teams
- Enhancing without disrupting your current facilities process



# Benefits for AEC professionals



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*Lifecycle BIM for AEC and Facilities Teams*

## *Benefits for AEC for helping owners adopt a BIM based building lifecycle*

- Develop new revenue streams
- Differentiate your services
- Maintain ongoing relationships with key clients



Images Courtesy of Autodesk



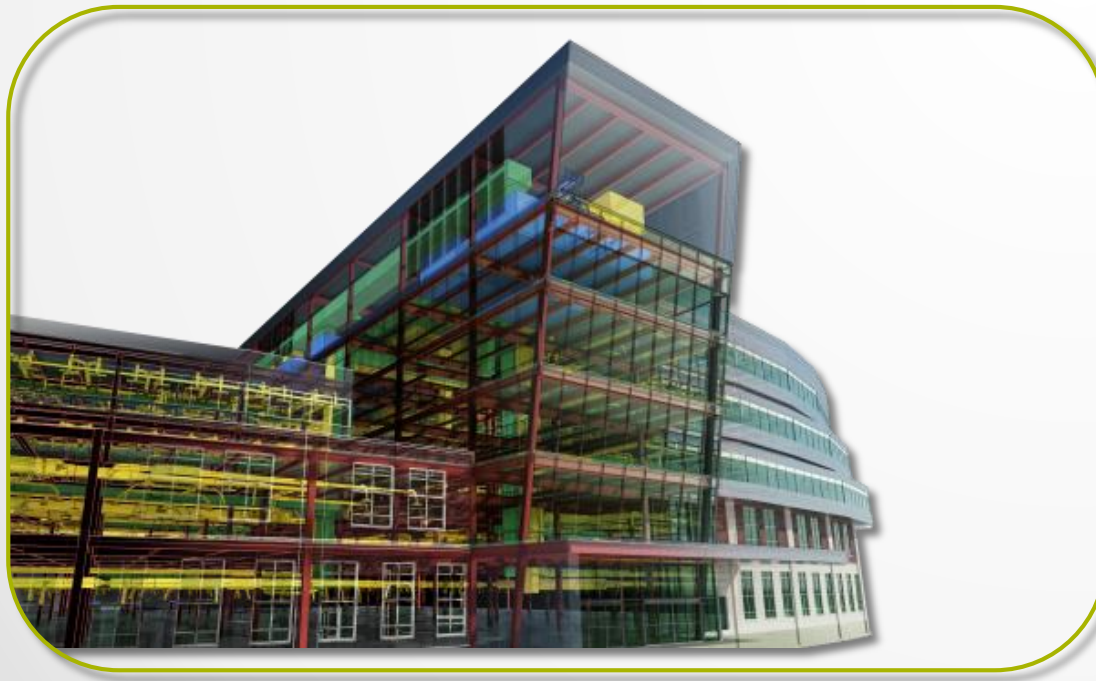
# Building Owner Benefits of Lifecycle BIM Pre and Post Occupancy

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## *Lifecycle BIM for AEC and Facilities Teams*

### ***Pre-Occupancy Benefits***

- Begin space and maintenance planning
- Entering building product data and documents
- Creating inventory of building equipment
- Streamlines the AEC handover process



Images Courtesy of Autodesk

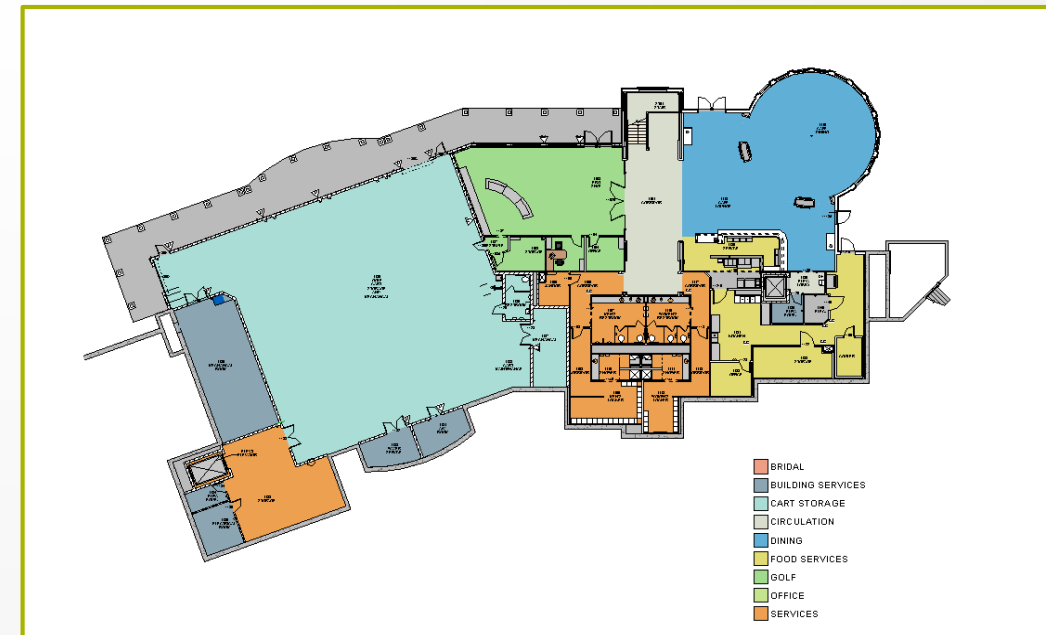
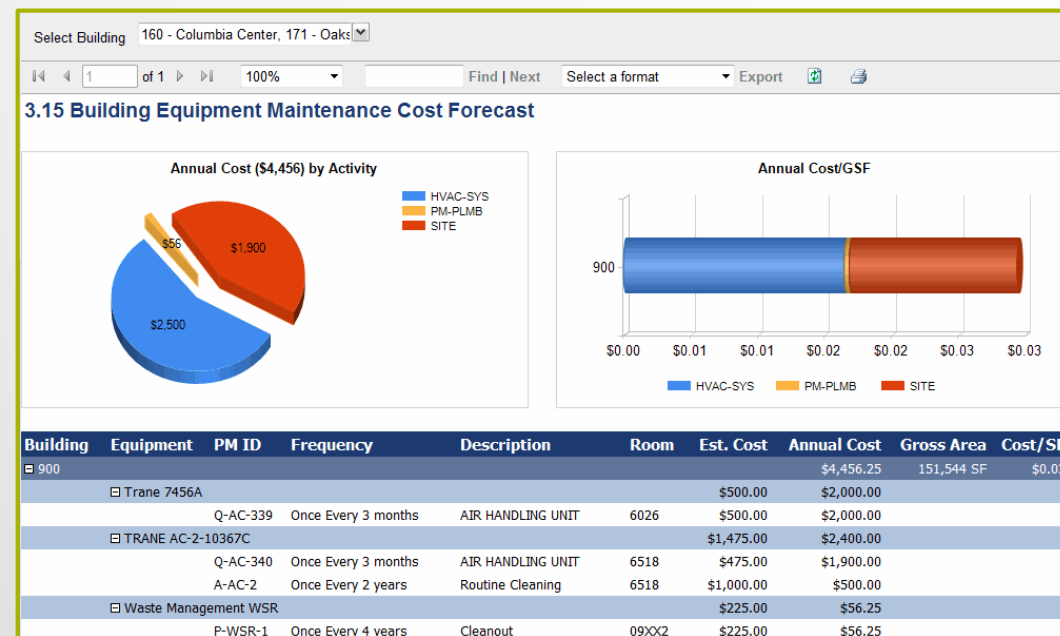


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## *Lifecycle BIM for AEC and Facilities Teams*

### *Post-Occupancy Benefits*

- Smoother transition to facilities operations
- Leverages BIM investment for the building lifecycle
- Greater efficiency and Accuracy (No polylining!)
- Models are ready for future projects



# Demonstration and discussion of the BIM lifecycle workflow

