BIM 360: No Model, No Problem!

Adam Schilling
Designer/Design Team Lead
About the speaker

Adam Schilling - Arcadis

• Staff designer and Designer team lead in the Environmental Division of Arcadis
• Based in Syracuse, New York
• Avid runner, woodworker and amateur brewer
CLASS DESCRIPTION

• BIM 360 software is not just for models! You can use the built-in tools within BIM 360 to manage many different tasks in a collaborative environment outside of traditional BIM industries. In this class, we will explore collaborative issues that limit productivity and limit the ability to transition to a BIM environment. We'll look at how to implement a Level 1 BIM system to enhance collaboration, efficiency and consistency while also utilizing Forge to automate time-consuming tasks.

LEARNING OBJECTIVES

• Learn how to utilize the benefits of BIM 360 without the need for a model
• Learn how to set up BIM 360 projects to maximize efficiency
• Learn how to utilize BIM 360 built-in tools for work-request submissions and tracking
• Learn how Forge can be used to automate repetitive tasks
About Arcadis

Arcadis is the leading global Design & Consultancy firm for natural and built assets. Applying our deep market sector insights and collective design, consultancy, engineering, project and management services we work in partnership with our clients to deliver exceptional and sustainable outcomes throughout the lifecycle of their natural and built assets. We are 27,000 people active in over 70 countries that generate €3.3 billion in revenues. Arcadis. Improving quality of life.
Rate Your BIM 360 Experience/Knowledge

Go to www.menti.com and use the code 20 37 99

How would you describe BIM 360 experience/knowledge

- I am an Expert
- I have used it some
- I have never used it
BIM Descriptors

Go to www.menti.com and use the code 220727

What Word Would You Use To Describe BIM
Level 0: Paper based

Level 1: Object-orientated computer readable datamodels

Level 2: Sharing information in a federated model single source of truth based on a predefined and collaborative process

Level 3: Open shared information throughout the asset lifecycle, including performance and operation data

Common Data Environment
BIM Execution Plan

100% BIM
Background
Where We Started

- >550 Clients
  - Primarily in the United States

- >8000 Projects
  - Primarily in the United States

- 49 Staff
  - Globally

- 22 Servers
  - Globally
Where We Started

THE PROBLEM
• Staff located across the world
• Files housed across the world
• Access rights not uniformly managed
• Staff were frequently unable to access required files

OPTIONS
• Maintain the status quo while trying to manage work via file exchanging
• Store everything on a central server
• Move to a cloud solution
Our Solution - BIM 360 Docs

WHY
• Create a centralized location for all drawings
• Easy access
• Version Control

HOW
• Created one project for each client in portfolio
• Created individual folders for each job worked on in the current calendar year with folder structure pre-populated
• Assigned permission levels by company
• Trained staff via Skype meeting and one on one help
Initial Setup

This folder is empty.
Drag and drop or use the Upload button to upload project drawings and models.

Upload

Learn more about file types and upload.
Implementation

However...

- Uploading and downloading
- Permissions
- Creating new projects (per client) fell to a small number of individuals
New Approach

- Separate each project into its own BIM 360 Project
- New BIM 360 Modules
- Switched permissions to role based (template)
- New folder structure (template)
Original Format

- 1 BIM 360 project = many actual projects
- Folder structure provides support for only AutoCAD files
- Permissions were company based
- Modules beyond Document Management unable to be used due to inefficiencies

Revised Format

- 1 BIM 360 project = 1 project
- Inclusive folder structure
- Permission by project role
- Ability to efficiently use other BIM 360 Modules
BIM 360 Tools
Document Management
Sets

This folder is empty.

Drag and drop or use the Upload button to upload project drawings and models.

Learn more about file types and upload.
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Reviews

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Drag and drop or use the Upload button to upload project drawings and models.

Upload

Learn more about file types and upload.
Project Management
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Showing 1 - 20 of 34
Project Home/Insight
Forge Integration Example
### Manual Project Creation

#### Project Directory

The Project Directory lists all projects in your account.

[Add]

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Sharepoint & Forge Project Creation
“There is a way to do it better…..FIND IT.”

Thomas Edison
Contact Information and Additional Resources

ADAM SCHILLING
Adam.Schilling@arcadis.com

MORE ON BIM 360 DOC REVIEWS
BES320308: Going Digital on Large Projects: BIM 360 Markups, Issues, and Reviews
November 21 @8:30
Delfino 4003