



CS1687

Putting BIM 360 Glue to Work

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Learning Objectives

- Understand how and why Holder uses BIM 360 Glue for coordination
- Learn processes for converting to BIM 360 Glue from other tools and then using it
- Discuss challenges associated with BIM 360 Glue on large projects
- Discuss workflows for BIM 360 Glue that increase levels of engagement with more members of the design and construction team

Description

This class will explore how and why Holder Construction has standardized construction coordination around BIM 360 Glue software. The discussion will cover processes around BIM 360 Glue software, advantages provided by the BIM 360 platform, and challenges faced in the implementation process. Content will cover case studies demonstrating the use of BIM 360 Glue software on projects ranging from small office buildouts to large-scale projects, including airports and National Football League stadiums. This session features BIM 360 Glue, Navisworks Manage, and Revit.



How and Why Holder uses BIM 360 Glue for Coordination

Introduction

- About Holder
- About speakers

Why did we switch to Glue?

- Understanding our coordination philosophy
- Why we don't change our processes to fit our tools

Learn processes for converting to BIM 360 Glue from other tools and then using it

Holder's History with Glue

- Early testing failures
- Pilot Project
- Implementation
- Today

Challenges to Large Scale Adoptions

- Financial Issues
 - Challenges to the value proposition
 - Scaling our license pools
 - Licensing model(s)
 - Cost recovery
- Change is Scary
 - Trade community wasn't ready (by and large)
 - Confidentiality and the cloud
- Early Adopter Issues
 - We've broken Glue.....a lot
 - Seriously.....a lot
 - Crazy slow load times in the early days
 - Heavy investments in training internally and externally

The payoff

- Why has this been worthwhile
 - We needed to replace the ftp site
 - Outdated
 - Slow
 - Less secure
 - We're not in the business of owning IT infrastructure anymore
 - Increased ownership from trades
 - More collaborative coordination process
 - Coordination cycle time reduced
 - Sometimes we break the cycle entirely...which is good
- The dirty secret is we're still clashing in Navisworks
 - This isn't really bad
 - Don't lose sight of actual goals
 - Replacing Navisworks was never a goal



Discuss challenges associated with BIM 360 Glue on large projects / Discuss workflows for BIM 360 Glue that increase levels of engagement with more members of the design and construction team

But can Glue scale to large projects????

- Hell Yes!
 - The three of us represent 3 projects using Glue on a combine \$5b in construction
 - There are bigger issues but the payoffs are bigger too
- Things to think about early on big projects for Glue success
 - Break up the model
 - The model needs to be broken up to;
 - Facilitate logical clashing
 - Stay small enough to load on the ipad app
 - Stay small enough to refresh on pc relatively quickly
 - Managing the data will be a serious undertaking
 - Folder structures and file naming are key
 - Police the Glue site
 - The rules are the rules, it's not a democracy
 - Ruthlessly delete things that are wrong
 - My job has ~9000 separate models if you lose control of the data you'll never get it back
 - Find a way to standardize clash detection
 - Show consolidated clash matrix/search sets/clash batches from AC2
 - Quickly create the same clash batches in all 60 merged models
 - Less wasted time and more consistent clash batches across project, regardless of who is running clashes
 - Don't forget the payoff
 - Empower everyone to take more ownership
 - Break the weekly coordination cycle
 - Better decision making with current information
 - Mercedes Benz Stadium Case Study