The Bermuda Triangle: Autodesk BIM 360 Glue-Trade.GC.Architect

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Class summary

We will examine a mega project utilizing Design Assist and implementing Autodesk BIM 360 Glue[®]. The real story here is how we resolve information drop through handover from the design team to the GC and from GC to the trade team and back. The answer is create a triangle and utilize BIM 360 Glue[®] for pushing authoring models in both directions depending on the phase of the project. We will discuss workflows on a mega healthcare project utilizing BIM 360 Glue[®] that limit additional work from the design team by simply collaborating in BIM 360 Glue[®].



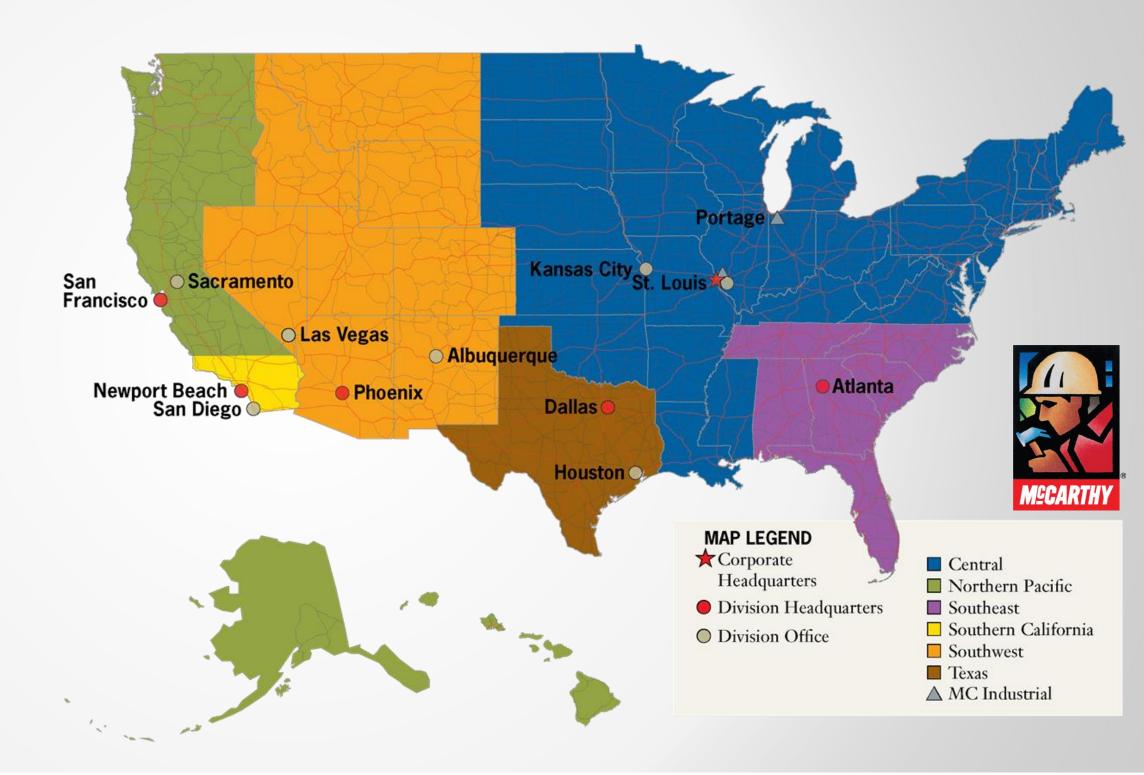
Key learning objectives

- Create better relationships with your design teams and trade partners through collaboration.
- Eliminate re-work and information drop through active participation.
- Understand the full capability of BIM 360 Glue by engaging all parties in the process.
- Understand how clash avoidance is being utilized to streamline the process



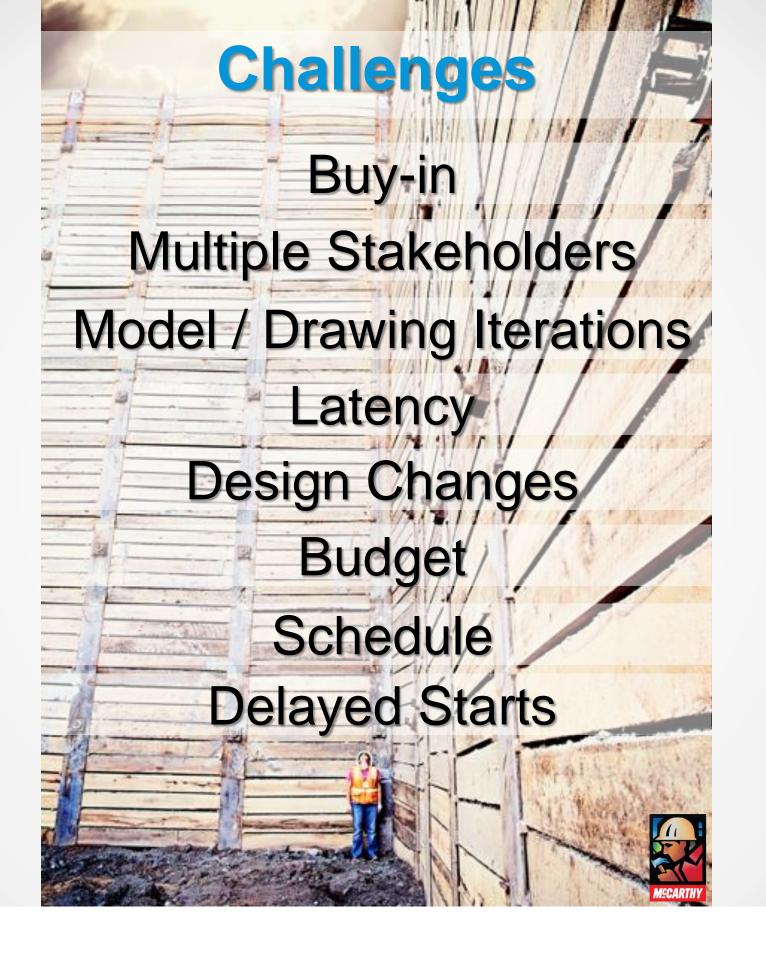
McCarthy Building Companies, Inc.

- Over 150 Years in Business
- Largest, Oldest Privately—Held
 Firm in US
- Experience in 45 States
- 100% U.S. Employee Owned
- 85% Repeat Clients
 - Growing Trend DB, DA
- Self-Performing Builder
- Technology at the forefront of Business



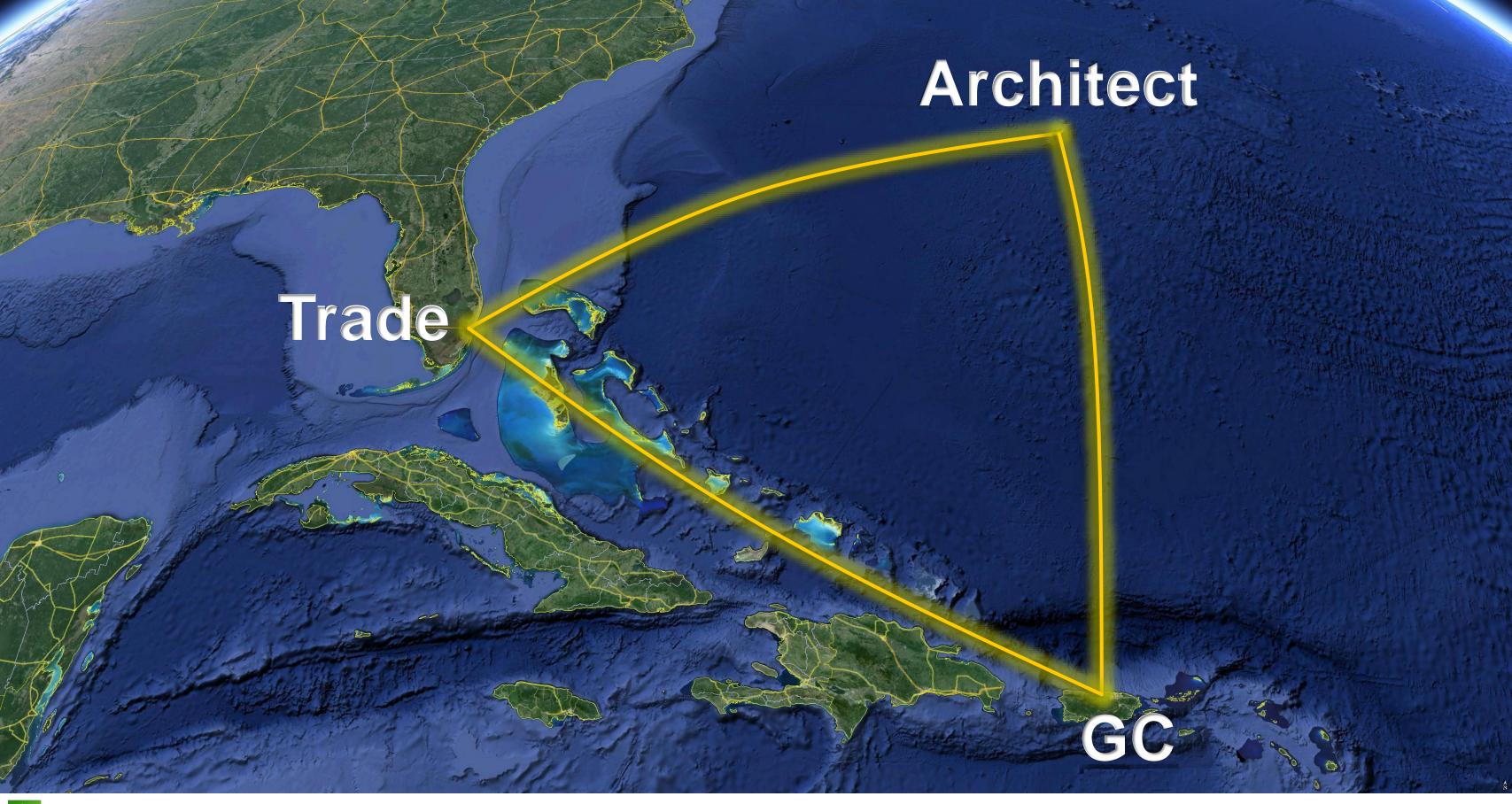












BIM 360 Glue Overview





Project Overview

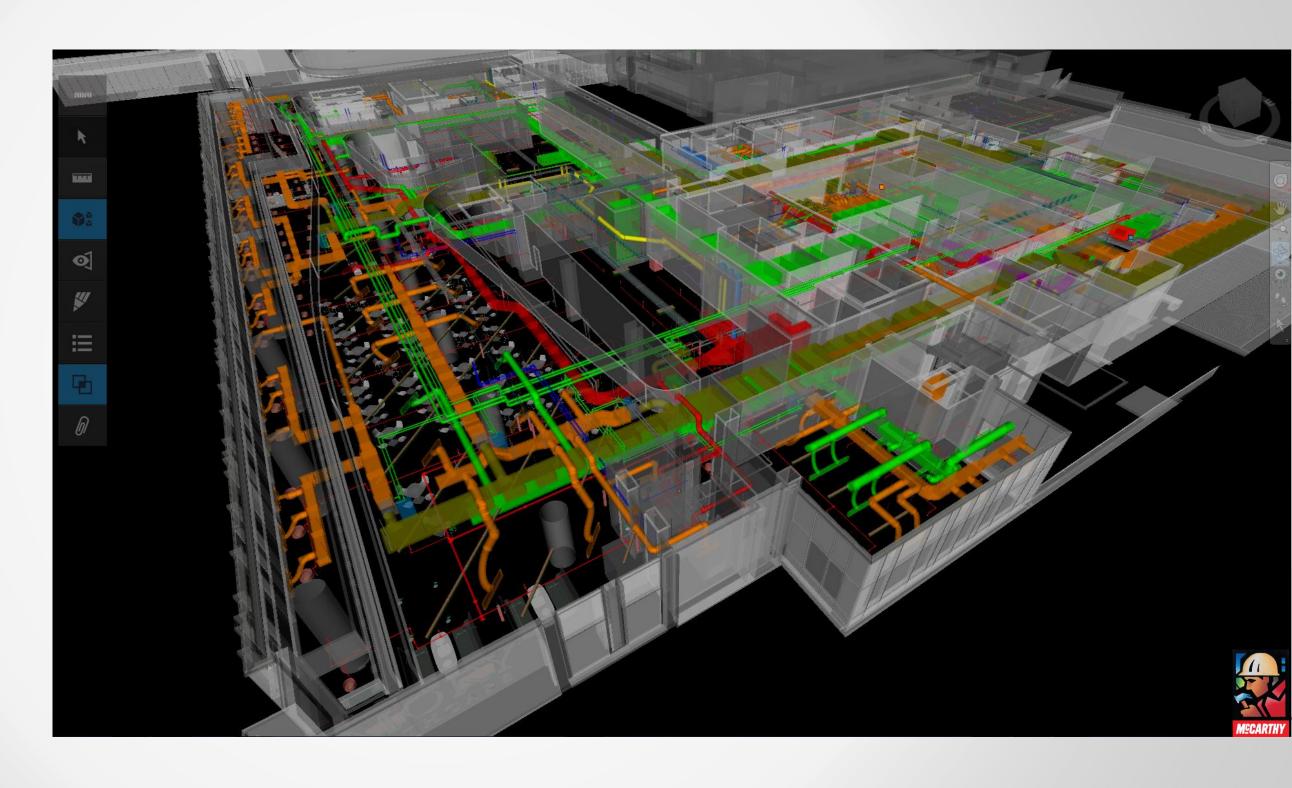
- 9 Story Hospital
 - 400K sf
- 4 Story Underground Parking Structure
 - 287K sf
- Underground CEP
- Pedestrian Walkways and Connectors





Project Specifics

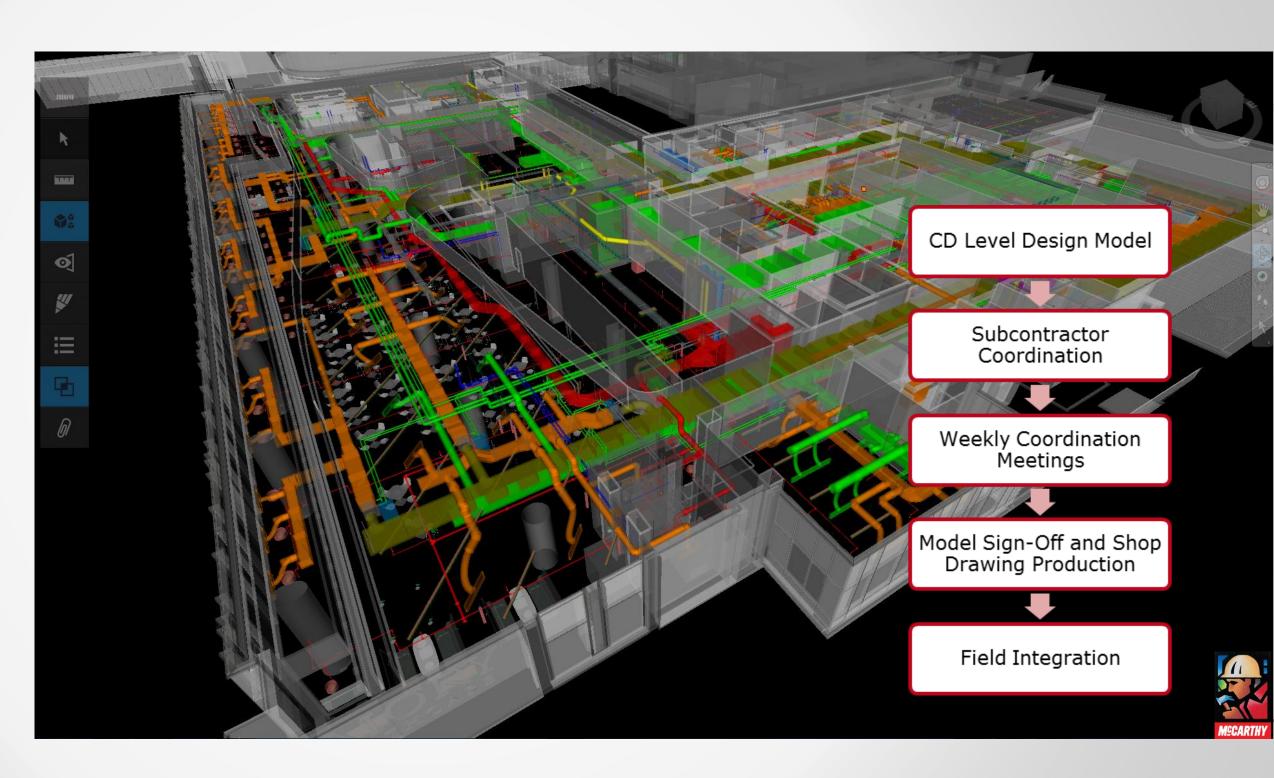
- Programming decision
- Design completion
- Bid Packages
- Design teams working remotely
- Majority web-based coordination





Project Solutions

- Dream Team
- Design Assist
- Clash Avoidance
- CD Level Design Model
- Expedited Coordination schedule 2 levels
- BIM 360 Glue
 - Design Team involvement
 - Real-time collaboration
 - Daily coordination





With Glue, the MEP design has been better able to communicate design iterations to the team I believe that Glue will eliminate a vast majority of conflicts between building elements and the MEP systems during construction thereby provid[ing] value to the owner." – Kyle Johnson, Smith Group JJR

Architect

Trade

- Simplified Model Exchange
- Improved Visualization of Issues
- Quicker conflict resolution





"This is the first project that I have coordinated utilizing BIM 360 Glue. After learning how to navigate through the application, it became a great coordination tool. It is nice how everything you need to complete coordination is all in one place for you to use. The updating of the working model with all the subcontractors models is great. The processes of clash detection are definitely user-friendly. It has been a great experience using the program." – Fire Protection BIM Coordinator

Trade

- ✓ Single Source of truth
- Online real-time access
- ✓ Improved Visualization of Issues

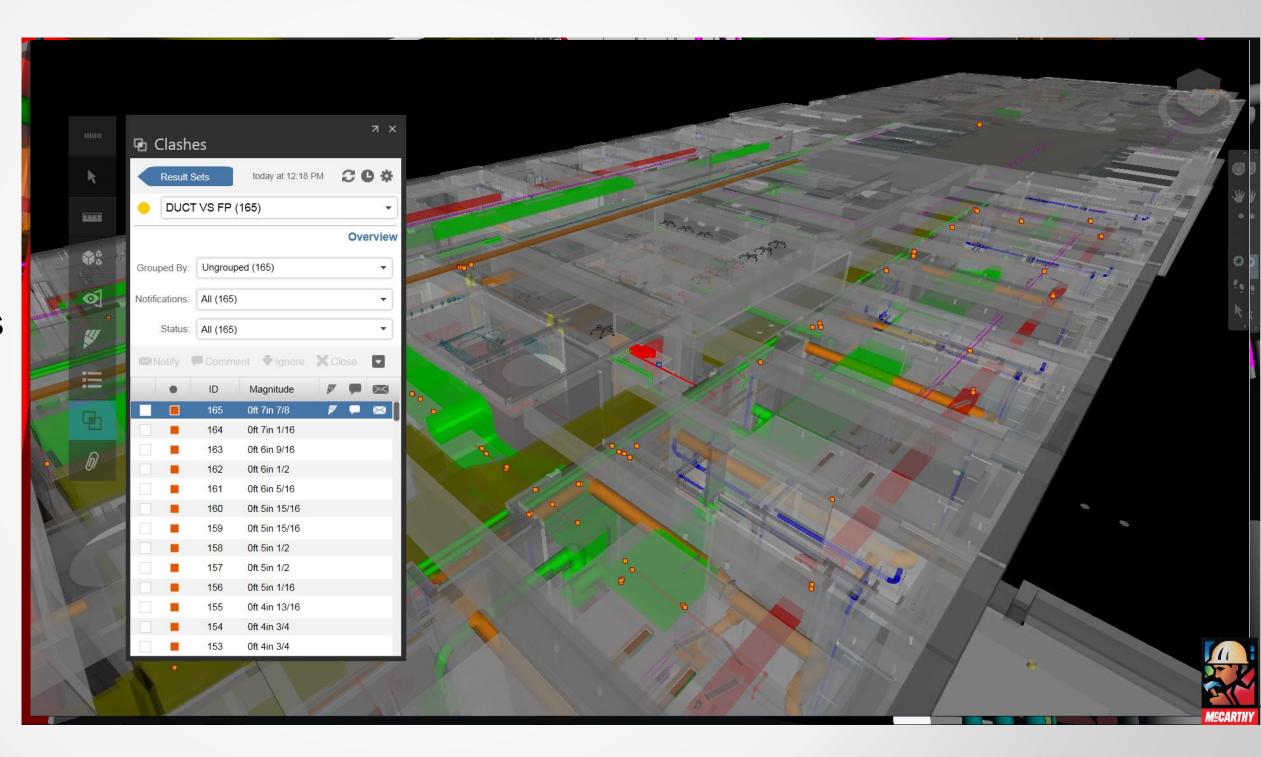


Architect



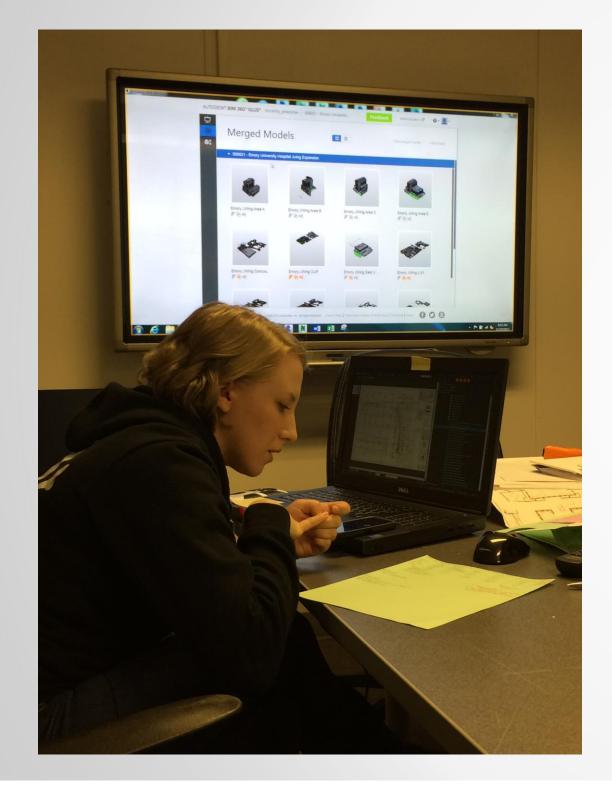
Project Takeaways

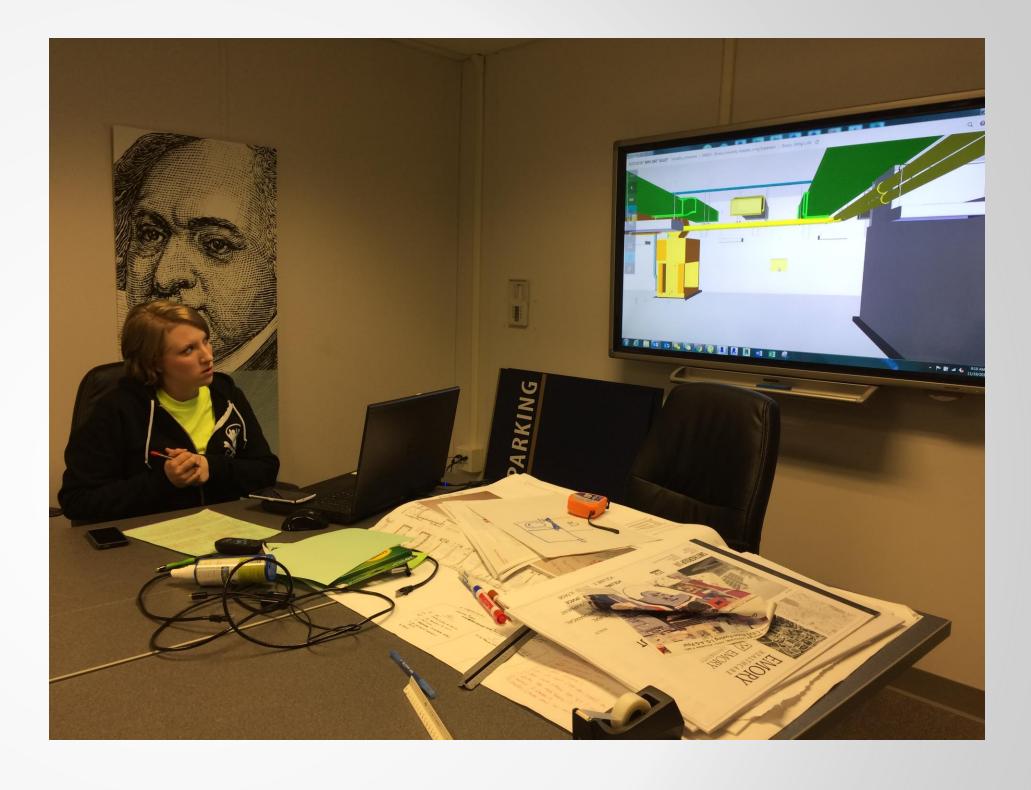
- Be proactive
- Find the best collaboration solution
- Create a lean process
- Allow technology to enhance the process





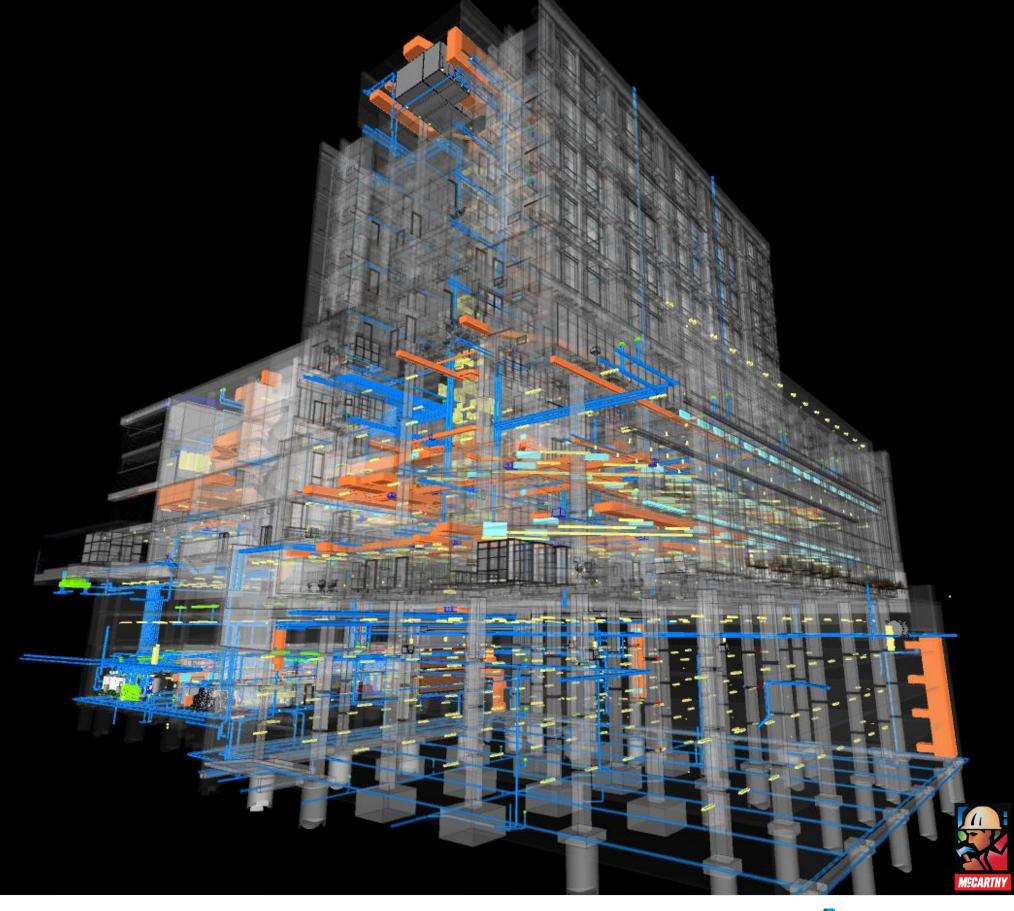
Unsung Hero

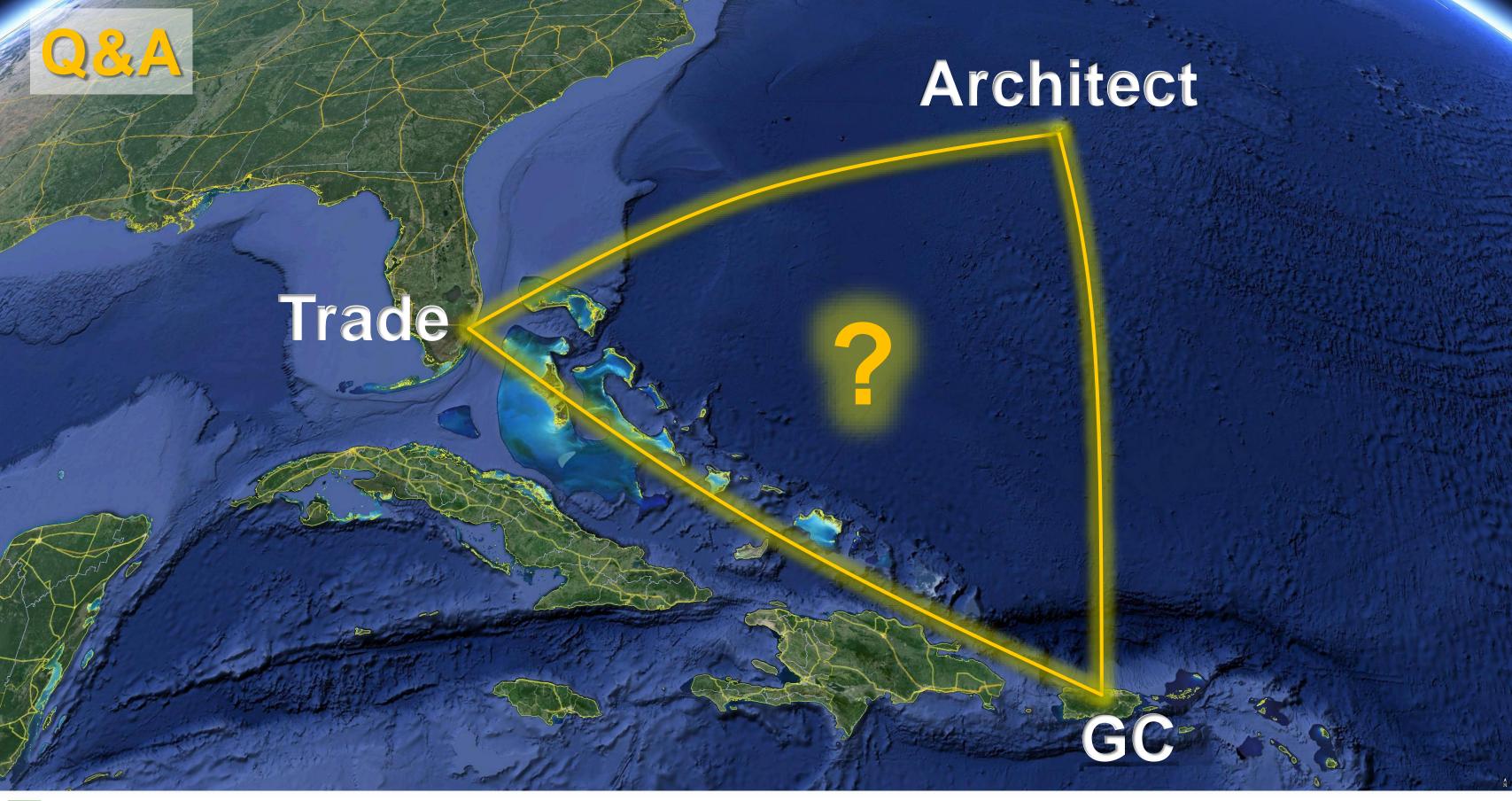




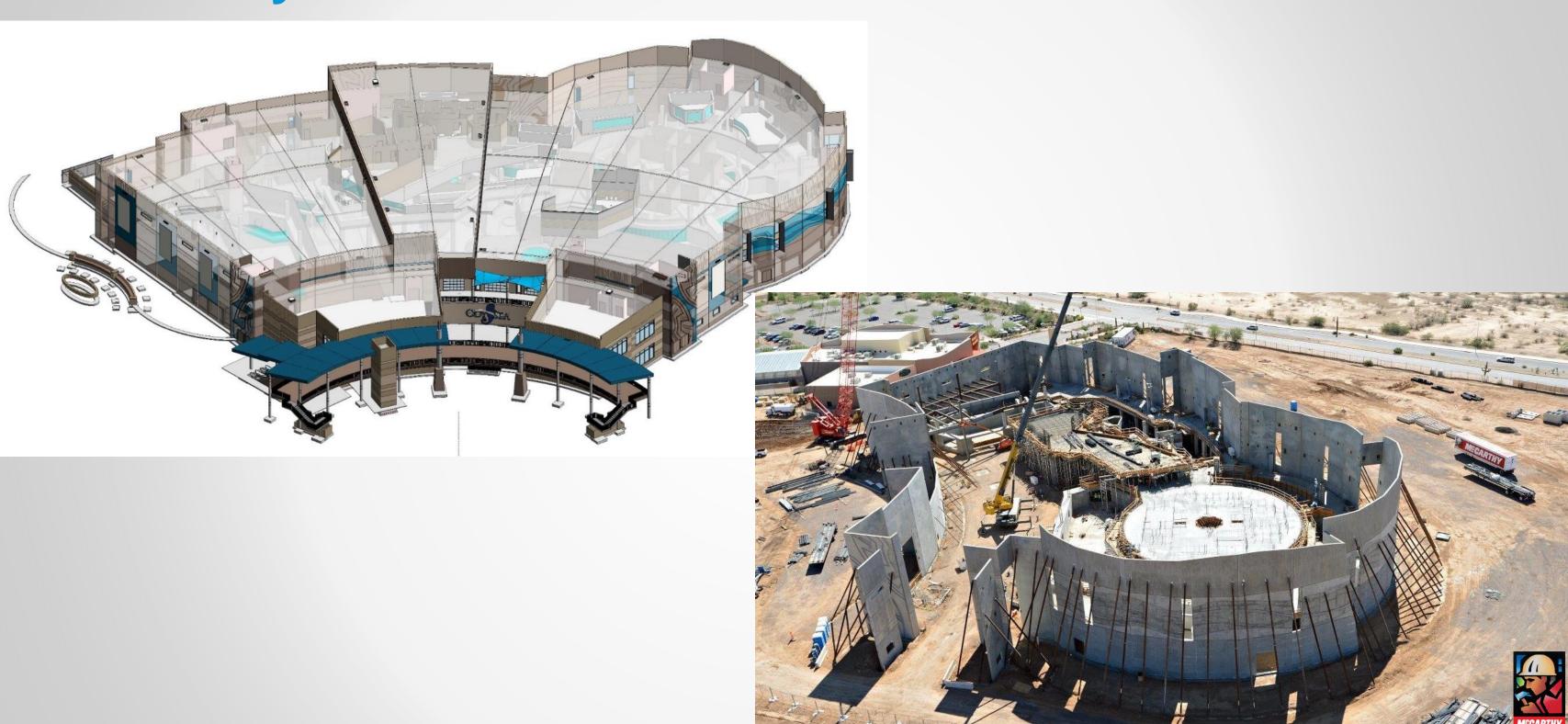
BIM 360 Glue Metrics

- 60+ active BIM 360 Glue projects online
- 600+ active project members collaborating
- Total Project Value \$4.2B
- 122% growth in Glue usage in 12 months
- So what?...





You OdySea This! (Class ID: CS11750 – Thursday, Dec. 3rd 1-2pm)



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