Learning Outcomes

• Roles our people, technology, and process play in our BIM Plans
• Types of BIM tools employed and how do we decide
• Identifying the best tools available to help get us the highest rate of return on our BIM investment
• Lessons learned… Applications at the job sites
BIM Process

Source: Unknown
People

• At what stage do we start to engage our team in the BIM process?
  • Project Development – RFQ/RFP
  • Preconstruction/Design Management
  • Construction Management
    • Office
    • Field
  • Owner Groups
    • End Users
    • Facility Management
Technology

• Software
  • Authoring: Revit, CAD, Tekla
  • Coordination: Navisworks, VEO, iConstruct, Synchro
  • Capturing: Faro, SkyCatch, Matterport
  • Processing: Scene, ReCap
  • Collaboration: BIM360, VEO, Sharepoint, Skype
  • Field: BIM360, VEO, Bluebeam

• Hardware
  • Computers: Dell, Origin, Alienware, Razer
  • Mobile Devices: iOS, Android, Windows
Process

• Putting together people and technology
  • BIM Scope of Work
  • BIM Staffing
  • BIM Program
  • BIM Execution Plan
  • Document Control
  • Field Management
Lessons Learned

PRE-CONSTRUCTION

• Look for BIM specs at RFQ/RFP stage
• Write clear and finite BIM scope of work
• Establish BIM discussion early with Owners to understand their goals
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PRE-CONSTRUCTION

• Establish control point – Both in model and field

• Plan for lean integration of new technology mid-way through construction

• Mitigate risk for BIM scope of work by aligning contracts to all appropriate BIM documentation and tools
Lessons Learned

CONSTRUCTION:

• Have a robust Field to BIM program for field validation and as-built processes
• Have file sharing platform with revision history for potential claims
• Track, record and maintain BIM lessons learned
Thank you