Journey to a Collaborative Environment

• Providing value through academia and industry.
  “BIM for BIM’s Sake”- A reality check.

• Defining a framework for success.
Academia-Industry Partnership

• Washington State University and Turner Construction Co.
• Expanding the BIM framework to identify opportunities for providing value to the Design and Construction industry.
BIM for BIM’s Sake
Making BIM Profitable . . . has been challenging

Obtaining a financial advantage or benefit . . . . .
BIM Services - Framework for Success

VDC Dept. Services

- Project Engineering
- Estimating
- Business Development
- Safety
- Quality Assurance
- Superintendent
- Carpenters
- MEP PreCon. Mgr
BIM Services - Framework for Success

MEPS
- Exterior Envelope
- Concrete/Structure
- Interiors
- Specialties

Model Development
- Design Coordination
- Procurement
- Trade Coordination
- Communication/Information Flow
- Close-out & Commissioning
BIM Services - Framework for Success

VDC Department

- Centralized Skills
- Cost Tracking / Forecasting
- Focused Development
- Billable Rate
Case Study: Thompson Hotel, Seattle, WA
Case Study: WSU Global Team Project
Case Study: Lessons Learned

(1) Utilize kick-off and BIM execution documents that define rules of engagement for each stakeholder, i.e. how and when to engage them.

“When dealing with global partners, it is worth the effort to put a strong plan together before proceeding ... otherwise your project will suffer.”

“Communicate early and have the end of the project in mind”
Case Study: Lessons Learned

(2) Conduct effective and efficient coordination meetings that keep team members on task.

“You can’t have a functioning team without proper meetings.”

 “[The meetings were] … a waste of time because no one was on the same page.”
Case Study: Lessons Learned

(3) Clearly communicating modeling expectations to the team (e.g. modeling to LOD 200 for speed and adaptability).
Case Study: Lessons Learned

(4) Understanding *when* to handoff from design to construction for each project is important.
BIM Services - Framework for Success

- Project Engineering
- Estimating
- Business Development
- Safety
- MEP PreCon. Mgr
- Quality Assurance
- Carpenters
- Superintendent

Project Engineering
- MEPS
- Exterior Envelope
- Concrete/Structure
- Interiors
- Specialties

Model Development
- Design Coordination
- Procurement
- Trade Coordination
- Communication/Information Flow
- Close-out & Commissioning

#BIMForumED  #wsu_sdc  #GoCougs  @TurnerSeattle  @aalanting