Academia + Industry, the perfect partnership

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CHANGE is happening

• Tablets
• Smartphones
• Clash detection software
• Google Drive
• Facebook
• Cloud
• BIM
CHALLENGES

- Seamlessly upgrade technology and practices
- Training employees to use tools
- Project team members in different locations
Building Information Modeling is a process which aids in the integration, collaboration and project management for the Architecture, Engineering and Construction industries.
Industry use of BIM

- Programming: 30.6%
- Conceptual: 52.8%
- Schematic Design: 52.8%
- Design Development: 72.2%
- Construction Documents: 72.2%
- Pre-Construction: 55.6%
- Scheduling: 50.0%
- Estimating: 41.7%
- Procurement: 50.0%
- Submittals: 36.1%
- Documentation Management: 47.2%
- Turnover: 38.9%
Improving Industry

- Reduce training time of new hires
- Tech knowledge of younger generations
Better Prepared Students

- Hands-on opportunities
- Variety of Learning modes
- Current building practices/ methods/ techniques
Implementation

- DECIMaL
- Case studies
- Collaboration
- Realistic Environment
Site Logistics Planning
Schedules
Clash Detection
Conclusions/ Future Work

- Increase partnerships with industry
- Establish academic collaboration partners