The Alliance Roadmapping Initiative

A Project of the buildingSMART alliance

Kevin J. Connolly, AIA
Chair The Alliance Roadmapping Initiative
AIA Liaison to the Building Smart Alliance Board
Adoption Curve
Near Horizon

- Inconsistent BIM adoption continues
- “little bim” grows
- Minor advances in BIM standards
Just Over the Horizon

• Legal, Business, Process, Social and Personal Challenges
Just Over the Horizon

• An industry-wide collaborative effort to define and adopt the cultural conditions needed for significant advancement of the capital facility industry.
Further Beyond the Horizon

2021 Vision Task Force
- Energy analysis
- Environmental impact
- Metrics/Reporting
- Recycling
- Green is ‘normal’
- Actual performance
• Maintenance & management
• Internal ‘GPS’
• Monitor occupancy
• People, space, movement
• Building sensors common
- NBIMS-US ongoing ‘cycles’
- NBIMS-US certification
- Social media aids code & standards development
- Automated code checking & permitting
- Code cycles dramatically reduced
- Cloud everywhere
- RFID tracking
- Robots and Drones
- Technology and Safety
- Augmented Reality
- Smart Glasses
- Advance manufacturing
- Laser Scanning
• Interoperability just works
  – Seamless, Invisible
  – Shared, Integrated
  – Software and Data
• BIG Data integration
  – GIS, GEO, FM, BIM
  – Climate, Energy, occupancy
  – Design, codes, material specifications
  – Emergency preparedness and prevention
• Lean design
• Lean construction
• Integrated design and construction operations
• Enterprise Delivery
• Virtual design, fabrication, construction and operations
• Pre-engineered/fabricated modular
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Schematic multi-layered roadmap, aligning multiple perspectives
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Schematic multi-layered roadmap, aligning multiple perspectives
A Common Framework for BIM progress
Communication, Dialog and Collaboration
Guide the NBIMS – US development
### ARI Committee Members

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<tr>
<td>Kevin Connolly</td>
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Questions and Discussion

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