Seamless Cloud Collaboration with BIM 360 Design

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AEC Subject Matter Expert

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About the speakers

Aaron Vorwerk, AIA, EIT, LEED AP BD+C

Aaron is a registered architect, EIT, LEED AP BD+C, and AEC industry technologist. He advises customers across North America on AEC project lifecycle strategy and workflows, frequently speaking on AEC-related topics. He holds graduate degrees in architecture and engineering (M.Arch, MSCE, BSCE); has acquired 20+ years’ worth of industry experience; and has led BIM transitions in two design firms.

Cara Wilczynski

As a designer with a passion for technology, education in architecture, and experience in construction, Cara applies her skills and experience to the challenges the AEC industry is presently facing. As a Subject Matter Expert in Construction at Autodesk, she works to address workflow challenges and improve collaboration across the project delivery team. Cara’s experience includes mixed-use/residential high-rise, corporate headquarters and renovations ranging from $500,000 to $120M.
Agenda

• Industry Trends
• Our Strategy
• BIM 360 Design
• Adoption
• Q&A and Resources
Poll

(Questions 1-2)
Industry Trends
Project Delivery
Urbanization

BIM Mandates

Distributed Project Teams
Data Explosion
Collaboration is still a challenge
Poll
(Question 3)
Current tools are not built for design data

- Expensive and complex
- Difficult to find and track information

- Hard to share / access outside of office
- Expensive
- Hard to organize and find latest version

- Not built for design process
- No model viewer or data access
- No design review

- Address niche workflows
- Difficult to integrate with other tools
- Do not support lifecycle collaboration
Our Strategy
Connecting the AEC Project Lifecycle
What customers want from us

“If you came up with really simple tools that integrated information seamlessly and worked really well and you treat it like a platform…”

“When you think about looking at data as it moves from the procurement, design and construction operations processes, that’s...the holy grail…”
Why Autodesk?

- BIM Leadership
- Native Cloud Platform
- Industry Compliance
- Scalability
- AEC Ecosystem Extensibility
- Depth of Cloud Portfolio
### BIM Collaboration: Revit Evolution

**Team**
- Single location
- Firewallled

**Enterprise**
- Multiple locations
- Firewallled

**Project**
- Multiple companies
- Multiple locations
- Managed access

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<thead>
<tr>
<th>Localized Central Model</th>
<th>User 1</th>
<th>User 2</th>
<th>User 3</th>
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</thead>
<tbody>
<tr>
<td><strong>Limited Collaboration</strong></td>
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<td><strong>Daily BIM Management</strong></td>
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<td><strong>No Internal Activity Tracking</strong></td>
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**User 1**
- Single Firm
- Expensive Hardware
- Slow Data Exchange

**User 2**

**User 3**

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**BIM Collaboration:**
- Revolution Evolution
BIM 360 Design
Seamless Revit Collaboration
Poll
(Question 4)
BIM 360 Design

Document Management Module
- Coordination folder
- Aggregated model viewing
- Markups, issues

Revit Cloud Worksharing
- Anytime, anywhere Revit collaboration
- Controlled cloud worksharing

Design Collaboration Module
- Update to Latest
- Package creation & sharing
- Visual version compare
Complexity: Worksharing

• Extend worksharing to virtually anywhere
• Enable easy and secure multi-firm concurrent authoring

Connects project teams with centralized access to BIM project data in the cloud, with no need for costly IT setup
Demo: Worksharing
Revit & BIM 360
Communication: Design Collaboration

- Deliverable coordination
- Milestone tracking
- Change visualization

Track project activity, monitor changes, and manage collaboration between teams to best suit your project needs.
Demo: Collaboration
Create & Share Packages
Communication: Design Review

- Place issues on 2D & 3D views and sheets
- Assign and track issues
- Add private or shared markups

Keep your team on the same page and ensure accountability with assignable, version-aware issues and markups.
Demo: Design Review
Issues & Markups
Security: Sharing & Viewing

• 5 levels of permissions per folder
• Control access by user, role or company

Control worksharing and design deliverable exchange with the assurance that the right information is in the right hands.
Demo: Sharing & Viewing
Views, versions, permissions
Adoption

Cloud-based Collaboration
“Can I trust it?”
155 COUNTRIES
17,500 ACTIVE PROJECTS
150,000 MODELS IN THE CLOUD
2 million SYNCS PER MONTH
Q&A