# Seamless Cloud Collaboration with BIM 360 Design

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Subject Matter Expert, Buildings





# Today's Speaker

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

I'm a registered architect, civil/structural engineer-in-training, sustainability professional, and AEC technology evangelist. I advise customers across North America on AEC project lifecycle strategies and workflows. I frequently speak and write on AEC-related topics. I've earned graduate degrees in architecture and engineering (M.Arch, MSCE, BSCE). I have 15+ years' worth of widespread experience in AEC practice. I've led BIM transition efforts in two design firms.

# Agenda

The Evolution of Collaboration

BIM 360 Design

Accessibility

Communication

Security

Customer Stories

Q&A

# The Evolution of Collaboration Revit Worksharing



## The Evolution of Revit Collaboration

Team
Single location
Firewalled



- Daily BIM Management
- No Internal Activity Tracking

Localized Central Model

User 1

User 2

User 3

Enterprise Multiple locations Firewalled



Slow Data Exchange



Project
Multiple companies
Multiple locations
Managed access

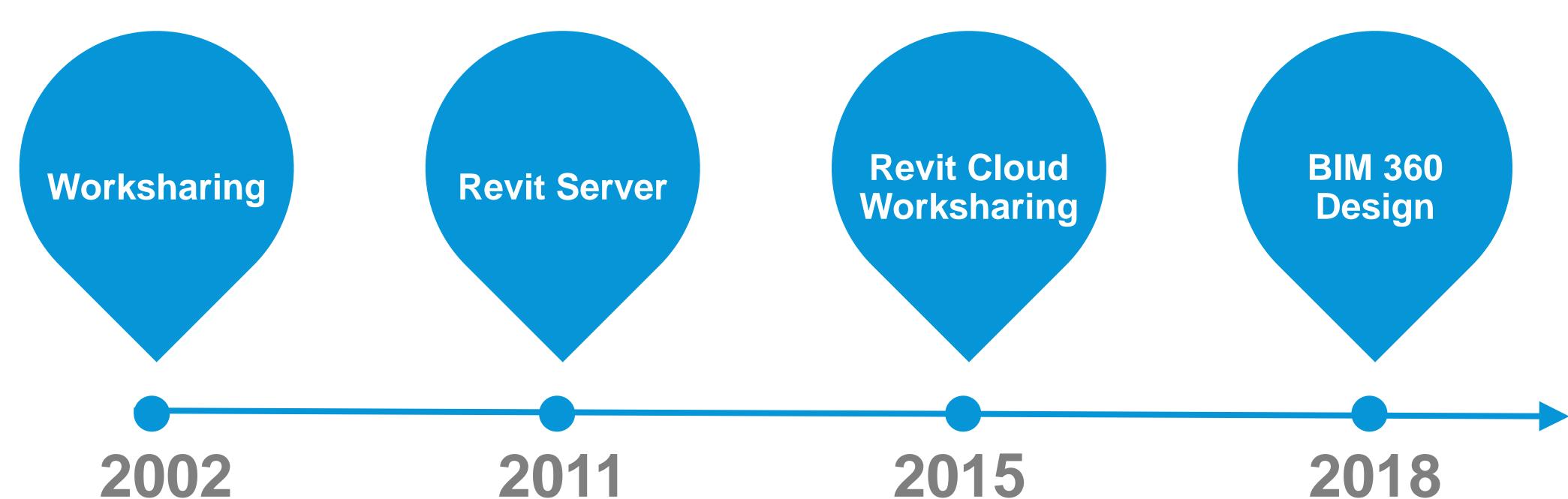








### The Evolution of Revit Collaboration



Worksharing is introduced for the first time in Revit

Revit Server enables collaboration with users across a WAN

With Collaboration for Revit & BIM 360 Team, the cloud powers anytime, anywhere collaboration

Next-level Revit Cloud Worksharing, equipped with greater access controls, multidiscipline coordination, and data centralization

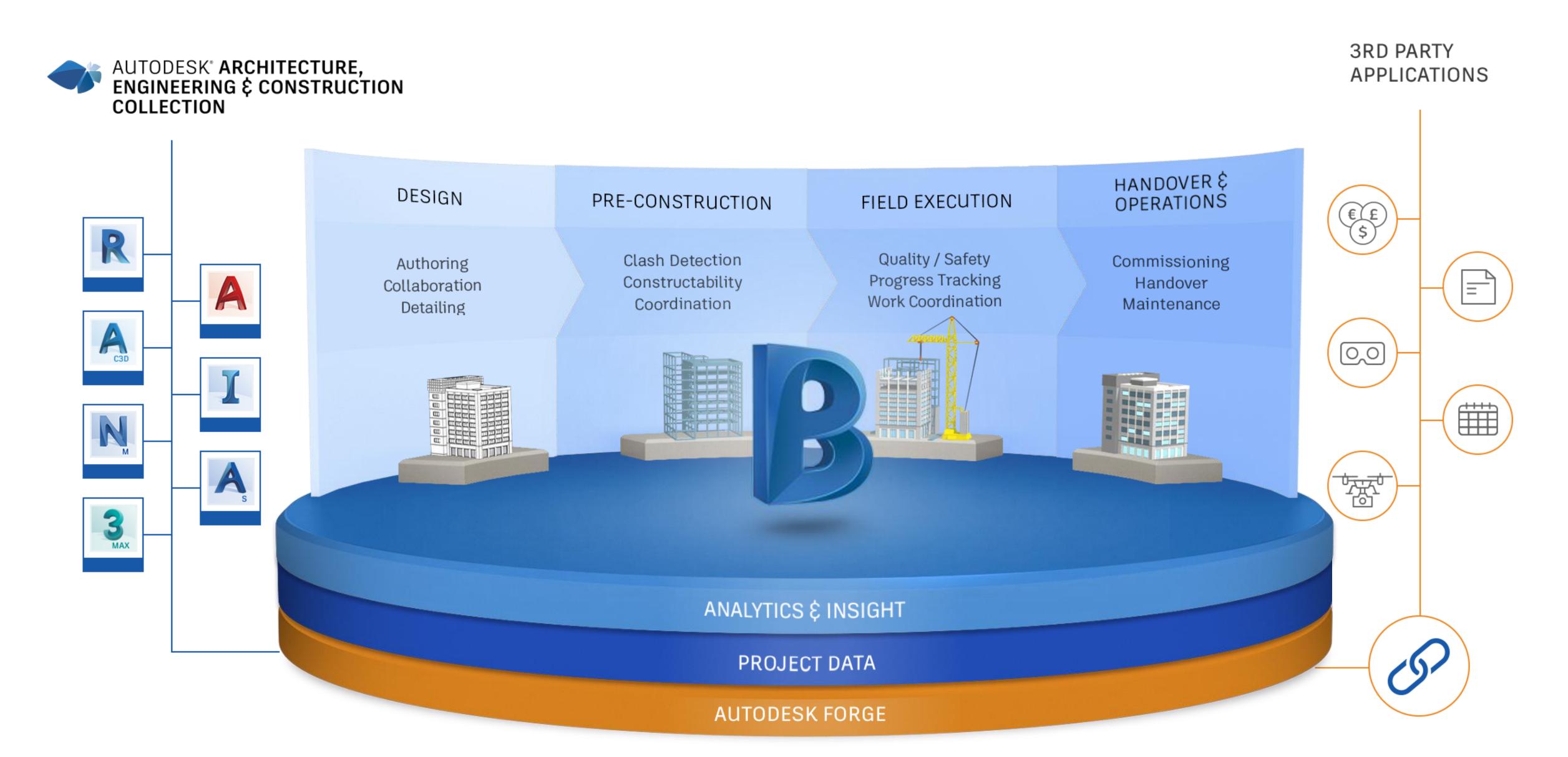
# Beyond Revit Worksharing

|  | SERVER-BASED (EX:<br>REVIT SERVER, VDI) | BIM 360 DESIGN |
|--|---|----------------|
| Basic file sharing and data exchange       | ~                                       |                |
| Worksharing within a company               |   | ~              |
| Worksharing with multiple companies        |   | ~              |
| Deliverable coodination                    |   |                |
| Powerful change visualization in a browser |   | ~              |
| Issues and markups on mobile devices       |   |                |
| Data centralization in a single repository |   | ~              |

# BIM 360 Design Seamless Revit Collaboration



## BIM 360: A Connected Platform



### BIM 360 Modules



BIM 360 Docs

Controlled Access to Project Information, Versioning, Markups & Issue Creation



BIM 360 Design

Cloud Worksharing and Collaboration (Revit & AutoCAD)

Design Collaboration



BIM 360 Coordinate

Model Coordination & Navisworks Integration

**Model Coordination** 

#### Cost Management



BIM 360 Build

Checklists, Submittals, & RFIs

Field Management

Project Management

Document Management

BIM 360 Insight (Project Analytics)

# BIM 360 Design

#### Document Management Module



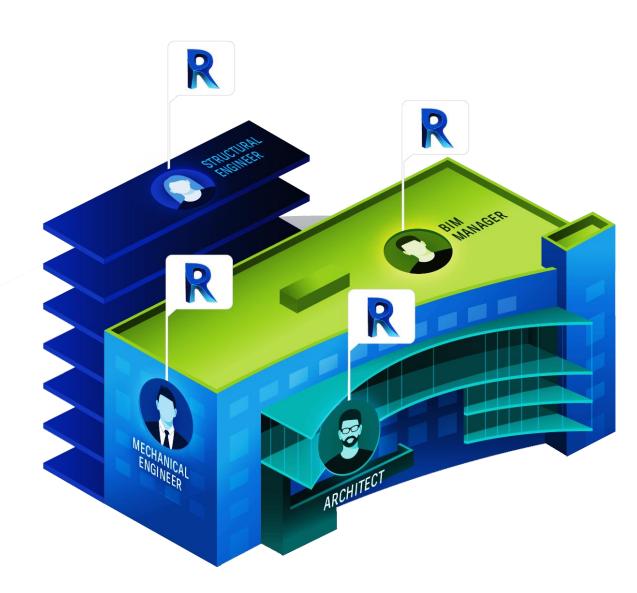
- Coordination folder
- Aggregated model viewing & comparison
- Markups, issues

#### Revit Cloud Worksharing



- Anytime, anywhere Revit collaboration
- Controlled cloud worksharing

#### Design Collaboration Module



- Publishing of sets
- Package review and distribution
- Visual version comparison



Accessibility



Communication

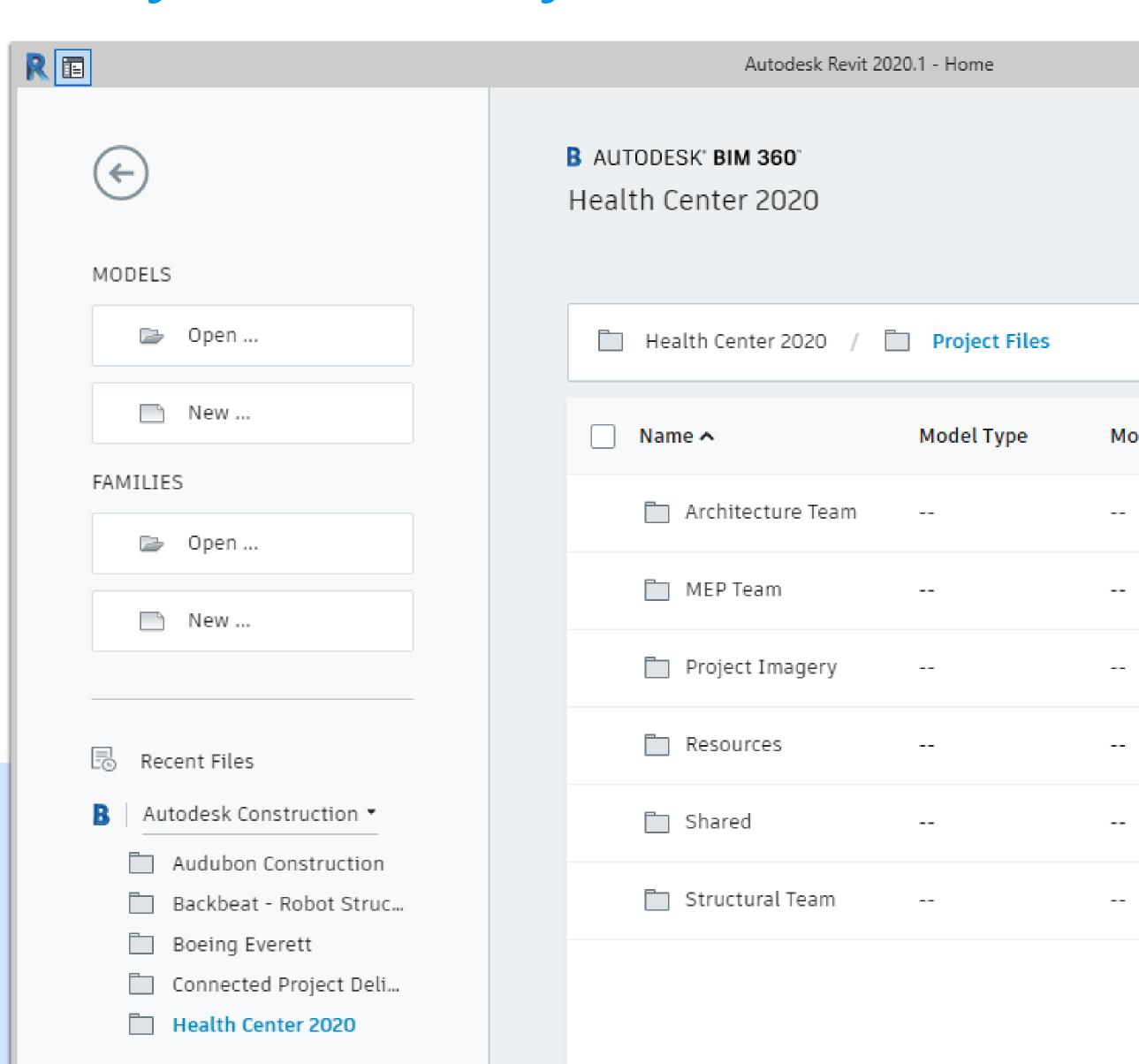


Security

# Accessibility: Anywhere, Anytime, Anyone

- 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

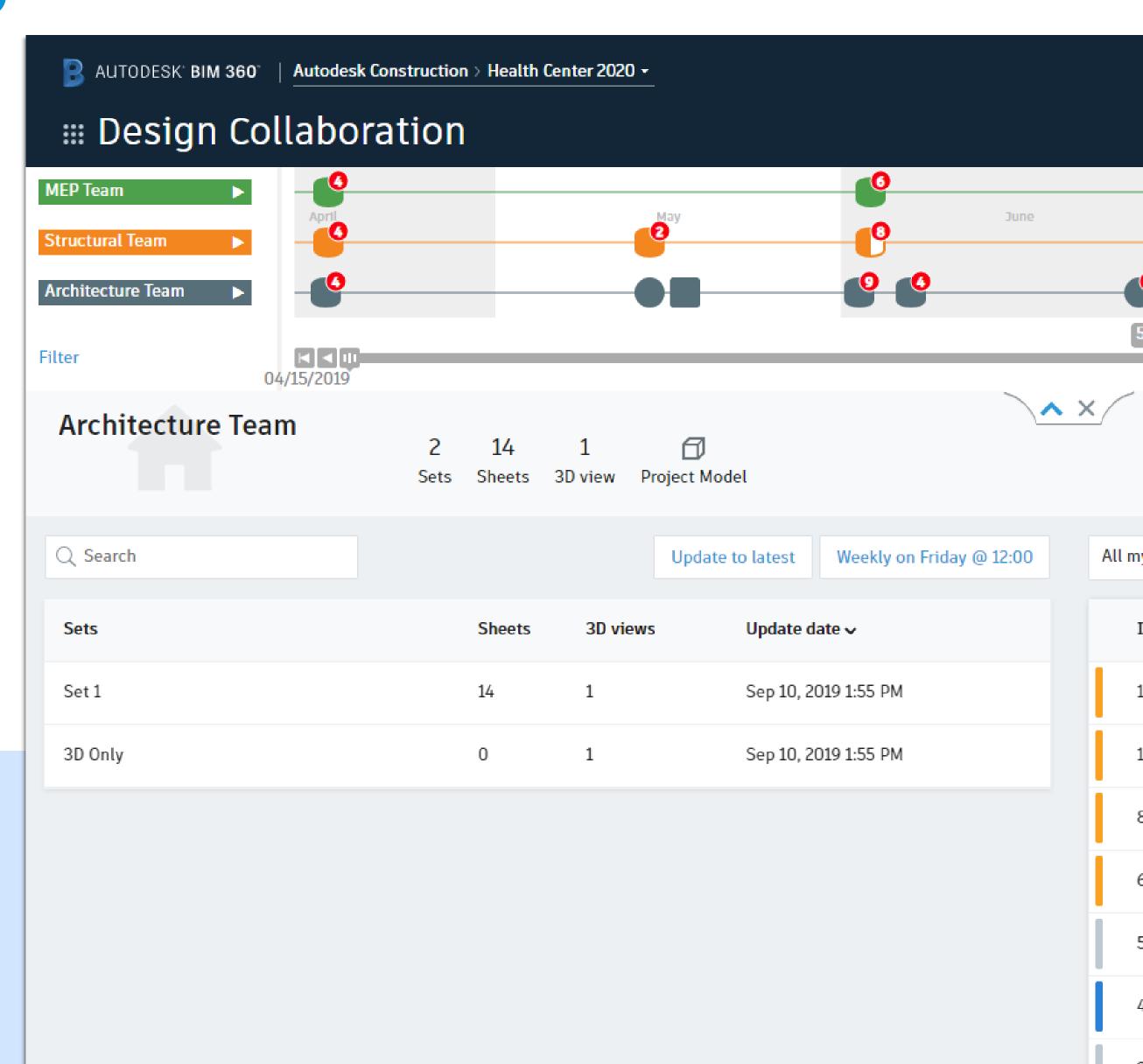


# Demo Worksharing

## Communication: Managed Collaboration

- Deliverable coordination
- Milestone tracking
- Accountability
- 2D and 3D Change visualization

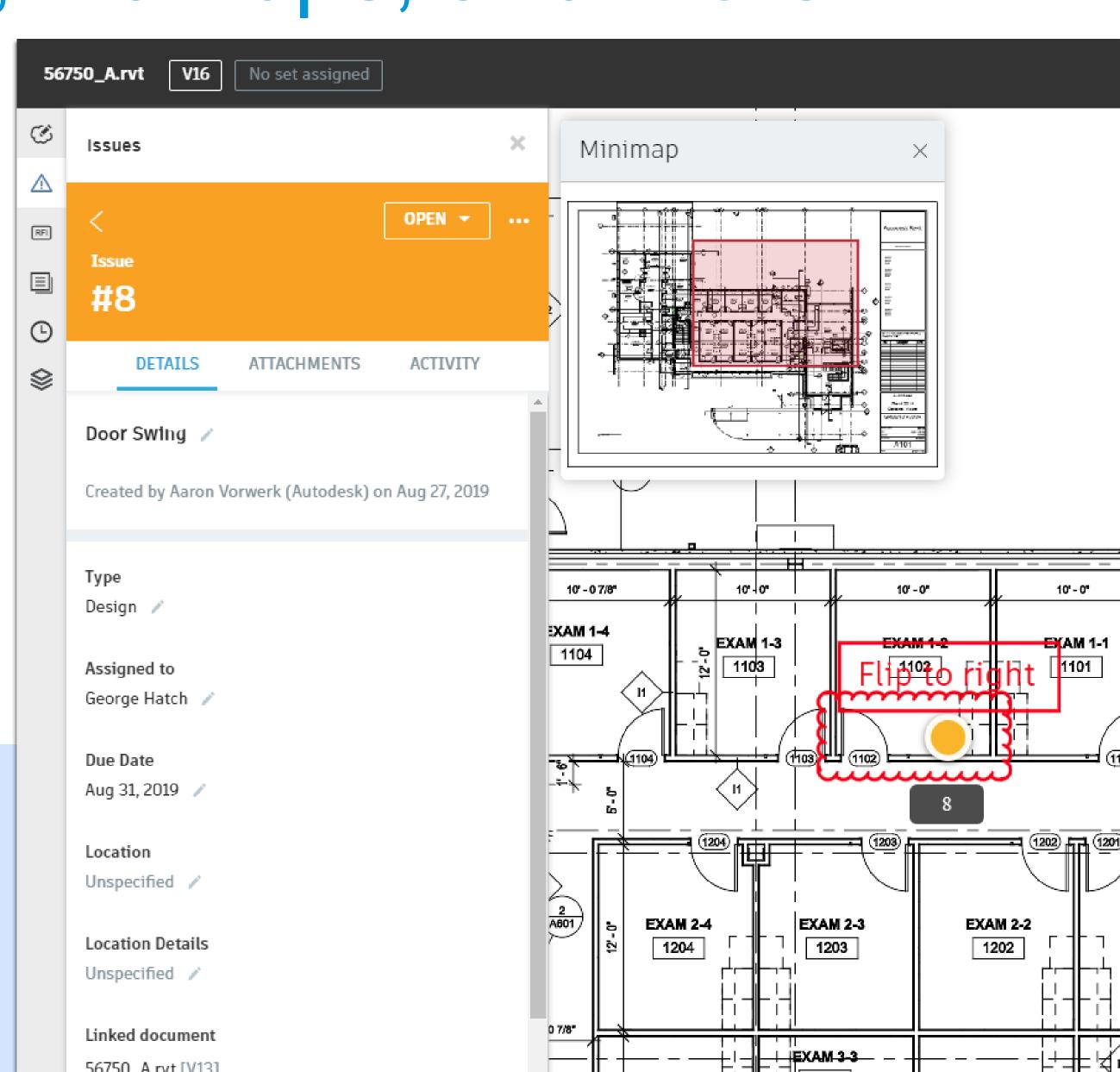
Track project activity, monitor changes, and manage collaboration between teams to best suit your project needs



# Communication: Issues, Markups, and More

- Place, assign, and track issues anywhere
- Add private or shared markups and comments
- Create review workflows
- Send transmittals

Keep your team on the same page and ensure accountability with assignable, version-aware issues and markups together with document control

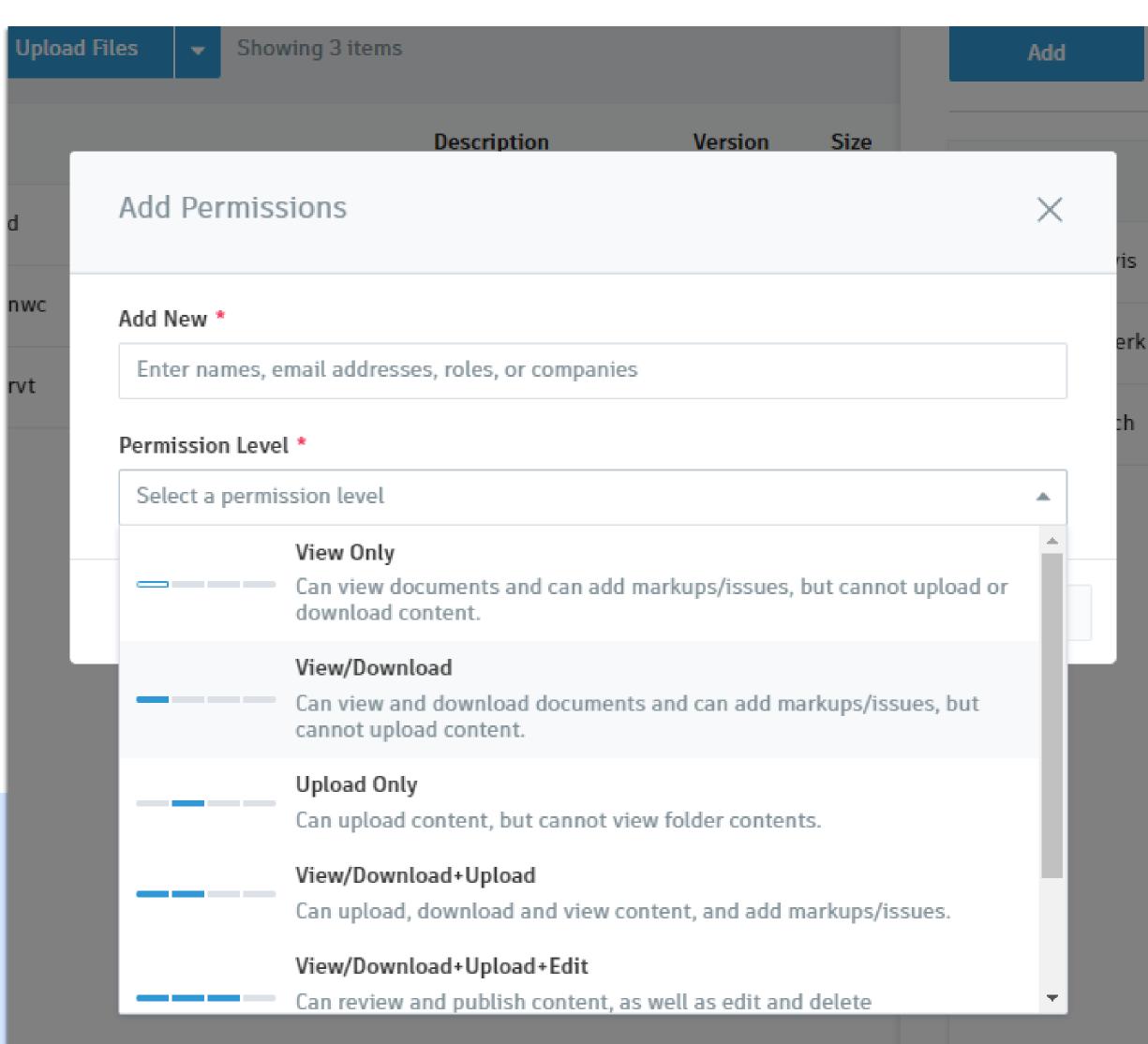


# Demo Communication

## Security: Robust Access Controls

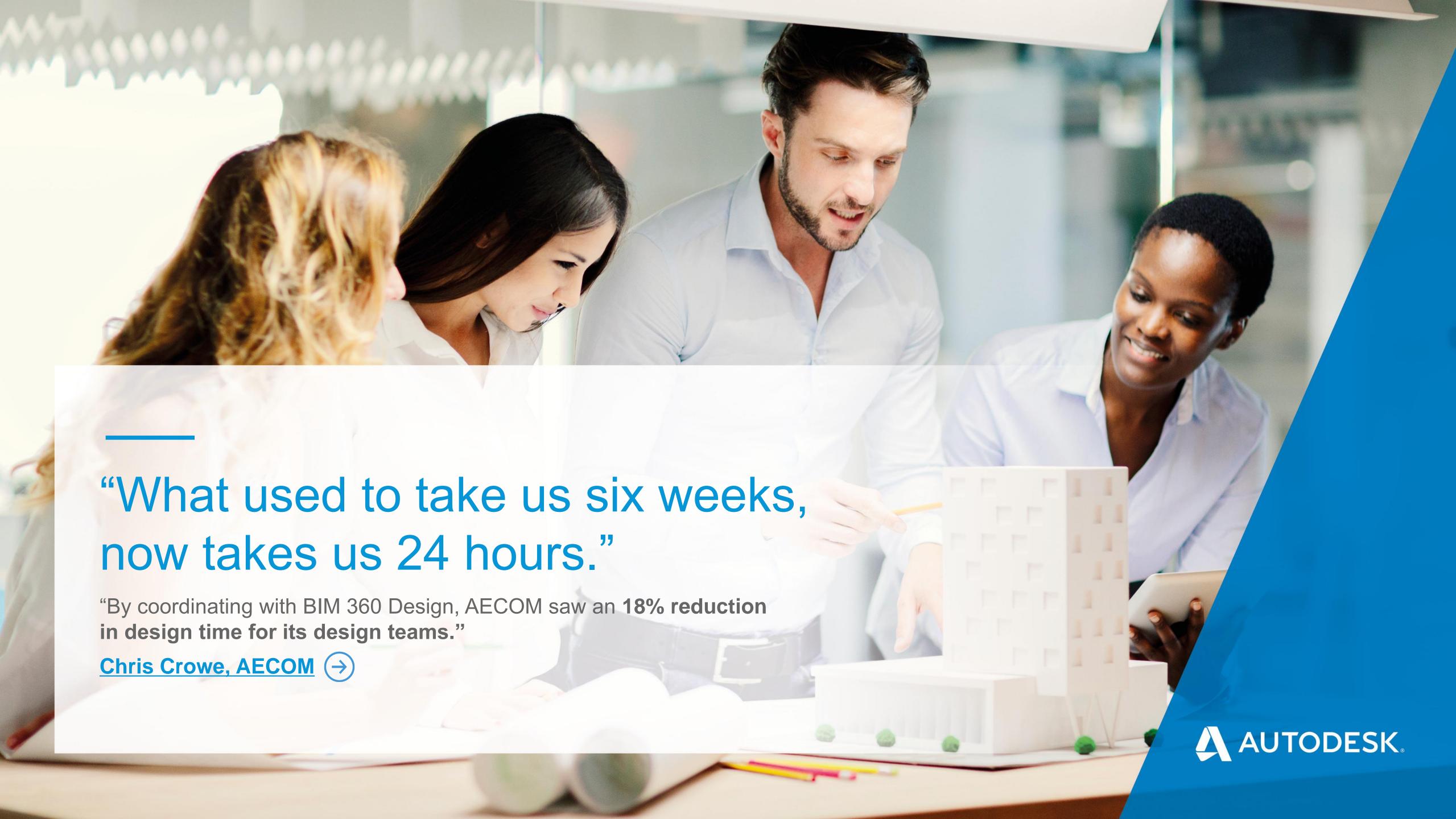
- Manage account and project access for internal and external users
- Up to 6 permission levels configurable by user, role or company

Control worksharing and design deliverable exchange with the assurance that the right information is in the right hands throughout your project

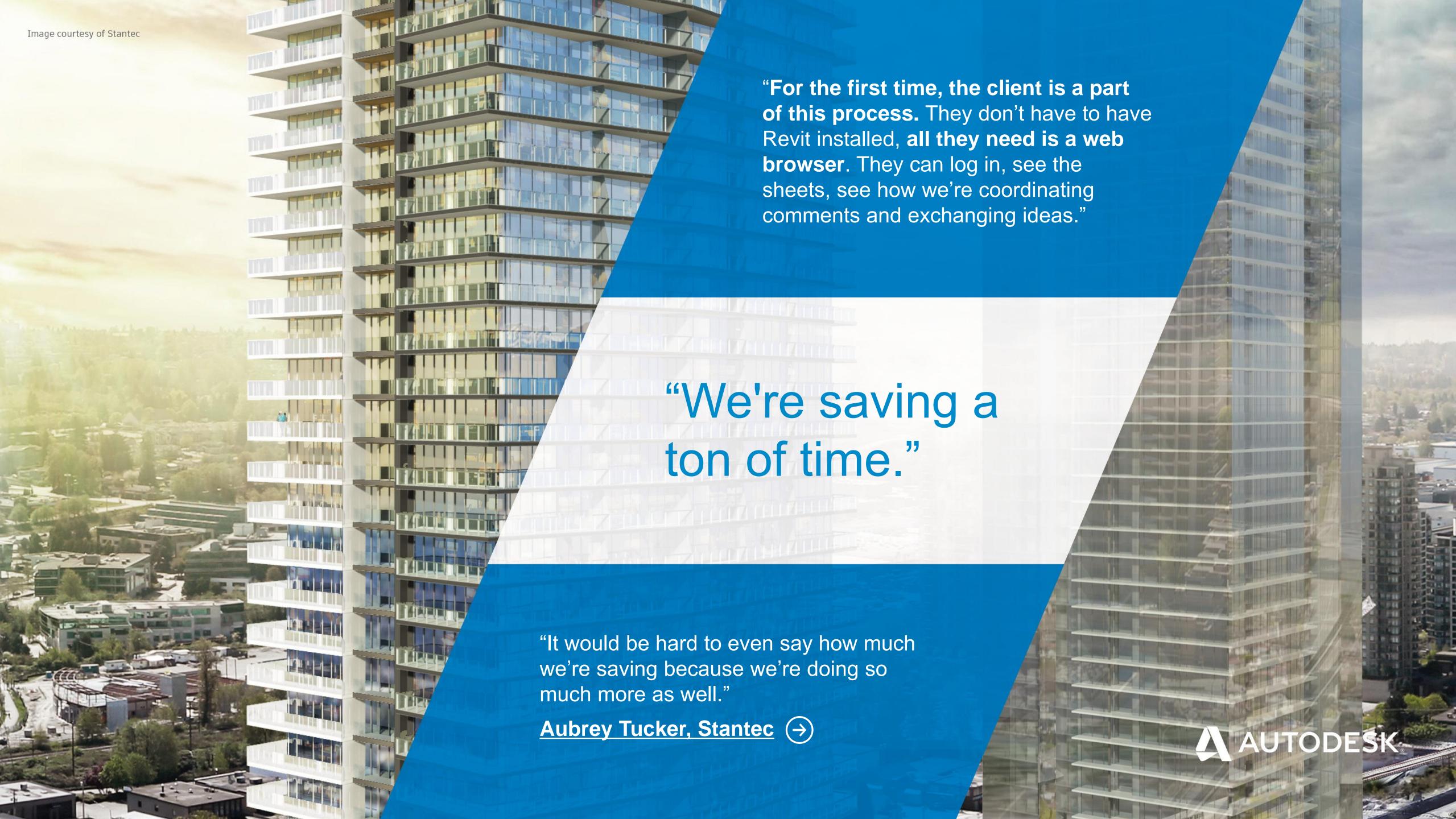


# Customer Stories BIM 360 Design









120 COUNTRIES 30 K+
ACTIVE PROJECTS

117 K+
MODELS IN THE CLOUD

5 M SYNCS/MONTH

# Q&A BIM 360 Design



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