Building Better Building Information Modeling

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Architecture, Engineering and Construction Design Solutions
Building information modeling (BIM)

Cloud collaboration offerings

Autodesk University 2022 announcements
Building information modeling (BIM)
BIM is the backbone of digital transformation

Empowering seamless collaboration, decision making and better outcomes for all stakeholders, and built on a connected data experience allowing continuous iteration and improvement.
Digital transformation enables better outcomes

<table>
<thead>
<tr>
<th>Informed design exploration</th>
<th>Automate / eliminate repetitive tasks</th>
<th>Maintain design continuity throughout workflows</th>
<th>Design for constructability</th>
<th>Support models as deliverables</th>
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<tbody>
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<td>Relying on data and reasoning to generate options and predict outcomes</td>
<td>Shifting the burden of non-creative tasks from the user to the system</td>
<td>Supporting coordinated, but not fully consistent models created for different purposes and LODs</td>
<td>Providing ways to capture project goals and constraints to minimize errors downstream</td>
<td>Increasing trust in BIM and reliance on models as the single source of truth</td>
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Manage, reuse, and share BIM data

Flexibility to access current and past project data from different tools and transform it to the desired form.
Cloud collaboration offerings
Cloud collaboration offerings

**Customer pain points**

- Disconnected data
- Disconnected teams
- Disconnected workflows

**Solutions**

- **D** AUTODESK® DOCS
  Access controls, secure, centralized data, monitoring dashboards
- **C** AUTODESK® BIM COLLABORATE
  Better project data, better predictions, more transparency
- **C** AUTODESK® BIM COLLABORATE PRO
  Anytime, anywhere collaboration, web applications, flexible solutions

**Outcomes**

- Operational efficiency
  Better team collaboration & data handover
- Risk mitigation
  Reduce errors & rework, manage complexity and client demands
- Business growth
  Improve win rate, client satisfaction, project forecasting and more
Cloud collaboration offerings

- Designers across disciplines, model authors
- Project managers, owners, non-authoring reviewers
- AutoCAD users
- Adjacent business functions (planning, finance, compliance)
- Public / governmental reviewers
Building information modeling (BIM)

Cloud collaboration offerings

Autodesk University 2022 announcements
Autodesk Forma
Spacemaker AI and predictive analysis
Unlocking the value of design data in Revit

IFC 4.3 support
BIM-based workflow for electrical engineering

Revit-based extension from Schneider Electric
New visualization capability in Revit workflow

Revit to Twinmotion integration
Collaboration for Civil 3D
Bridge in Autodesk Construction Cloud
Simplified collaboration between construction cloud projects
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Simplified collaboration between construction cloud projects
Tandem extends digital thread to facility monitoring
Building a resilient water infrastructure
PLAN
- Autodesk Forma

DESIGN
- Revit IFC certification
- Advanced electrical design for Revit (Schneider Electric partnership)
- Twinmotion (Epic Games partnership)
- Collaboration for Civil 3D

BUILD
- Bridge in Autodesk Construction Cloud

OPERATE
- Tandem
- Innovyze