

CONSTRUCTION MANAGEMENT SOFTWARE

Connect, organize, and optimize your projects

BIM 360 Solutions

B AUTODESK[®] BIM 360[®]

Today's design and construction projects require distributed teams to collaborate closely, but with that comes data silos and disconnected communication. Autodesk[®] BIM 360[®] removes these barriers with a single cloud-based platform that connects your project teams and data in real-time, from design through construction.

BIM 360 digitizes project data and workflows, connecting the design and build processes, using the data to measure progress and establish benchmarks, and extracting insights through machine learning to drive continuous improvement across risk factors such as time, budget, quality, and safety.



DESIGN COLLABORATION

Collaborate on models in real-time & manage design data exchange



DOCUMENT MANAGEMENT

Organize, distribute & review files in the cloud



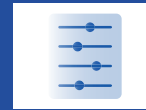
COORDINATION

Accelerate reviews and identify and resolve clashes



CONSTRUCTABILITY

Support design reviews, version comparison, and issue resolution



RFI & SUBMITTALS

Streamline management of RFIs and submittals



COST MANAGEMENT & CONTROL

Budget control and change orders



QUALITY MANAGEMENT

Standardize a proactive QA/QC process



SAFETY MANAGEMENT

Proactively prevent incidents by capturing safety observations



DATA & ANALYTICS

Understand project performance and root causes

A Common Data Platform

Rather than working in siloed systems, BIM 360 integrates the entire project workflow from design through construction across one common data platform. Teams can easily transfer information from one phase to the next while housing all project information and data within a single solution.

Secure

Security is at the core of BIM 360. BIM 360 is designed and built using best-in-class cloud software practices and powered by Amazon Web Services (AWS), the world's leader in cloud infrastructure.

Autodesk has selected industry standard SSAE-16 AT 101 SOC 2 attestation and ISO 27001, ISO 27017 and ISO 27018 certifications to validate our security posture.

Integrated

Get the most out of your construction technology by integrating the software you already use with BIM 360. Built on an open and secure API platform, BIM 360 enables users to easily integrate with various other construction softwares, including drone technology, estimating and bid management, as well as safety management tools.

Design

Connect design teams to improve project outcomes

Successful project outcomes depend on consistent communication with the team throughout every phase. BIM 360's real-time Revit worksharing allows teams to work on the same model. With change visualization, issue management, and mobile markups, BIM 360 is a comprehensive solution for Revit teams, centralizing design data across the project lifecycle.

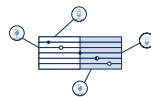
KEY CAPABILITIES



Revit Cloud Worksharing – Upload Revit models to BIM 360 to co-author them concurrently with other approved users, using worksharing processes based in the cloud.



Access Controls – Set permission levels to keep the right information in the right hands.



Tracking & Timeline – Track project progress in a shared timeline, with transparency and accountability for all data exchanged between teams.



Manage Design Data Exchange – Share design data via curated packages and reuse them to reduce manual workflows. Flexibly collaborate as required, referencing only approved WIP work or collaborating live.



Change Visualization – Better understand incoming design changes to understand how new information will impact ongoing work. View a live Revit model published into BIM 360 or schedule a publish at any time.



Assign Issues & Add Markups – Ensure accountability with assignable, version-aware issues and markups.

“Collaboration in BIM 360 Design gave us a cost reduction of 90% and a time savings of 20% on the Brown University New Engineering Research Center Project”

PAUL MCGILLY, BuroHappold

Preconstruction

Cloud-connected multi-disciplinary coordination & constructability reviews

Democratize BIM coordination with BIM 360, bringing more accountability to model authors and reducing the strain on VDC & BIM managers. With BIM 360 teams can quickly identify and resolve costly issues before construction through automated clash detection and clash resolution workflows in a single shared multi-model coordination space.

KEY CAPABILITIES



3D Model Access & Navigation – Access models online or offline, including RVT, DWG and IFC formats. Easily pan, zoom, and orbit models using gravity assisted walk through navigation or make calculations using point-to-point tools.



Automatic Clash Detection – When models are published or updated clash detection runs automatically providing teams with quick visibility into the impact of changes.



Clash Matrix – View clashes across all published models in a coordination space and drill into clashing objects. Heat maps identify areas with the most clashes to prioritize efforts.



Model Aggregation – Automation of multi-discipline model aggregation. Take advantage of project standards for spatial breakdown to easily review coordination issues.



Issue Management – Assign coordination issues with details including type, location, and due date to speed up clash resolution, increase accountability, and resolution tracking. Or mark clashing objects as ‘not an issue’ to remove noise.



2D & 3D Compare – Better understand incoming design changes with advanced change visualization features on 2D plans or individual 3D models.

Construction & Handover

Improve quality control, safety & project management on the jobsite

BIM 360’s integrated field and project management capabilities streamline the management of RFIs and submittals to help meet contractual obligations, supports proactive quality and safety management programs, and track field performance with dashboards and reports.

KEY CAPABILITIES



RFI & Submittal Management – Create, review & approve RFIs with easy-to-configure workflows. Manage submittal items, create packages, and distribute reviewer privileges



Quality & Safety – Standardize and digitize your quality & safety programs keeping everyone involved and able to perform inspections and report problems in real-time.



Issue Management – Assign issues to team members, including automatic issue creation for non-conforming checklist items. Add photos or comments to aid in issue resolution.



Daily Logs – Log daily site activities to keep track of your project progress and performance. Track weather conditions, detailed labor information, and issues and incidents.



Reporting & Analytics – Detailed & summary checklist and issue reports for a project-wide view of program conformance. Use customizable dashboards to view real-time project status around Quality, Safety, RFIs & Submittal items.



Handover – A single common data platform used to centralize all project documentation and data throughout the lifecycle of the project enables a seamless digital handover process.

“We don’t have to wait for weekly coordination meetings anymore. Clash detection and coordination happens in real-time”

CHRIS WEAVER, Andy J. Egan Company

“BAM achieved a 20% reduction in quality and safety issues on site as a result of better decision making supported by Construction IQ”

MICHAEL MURPHY, BAM Ireland

BIM 360 Docs is the common data platform for BIM 360 and is included in three additional BIM 360 subscription offerings (Design, Coordinate, and Build).

B AUTODESK®
BIM 360® DESIGN

Connect teams, enable secure real-time design collaboration, manage the exchange of design data, and easily understand design changes.

KEY CAPABILITIES:

- Revit cloud worksharing
- Access controls
- Tracking & timeline
- Coordinate deliverables
- Change visualization
- Assign issues & add markups

B AUTODESK®
BIM 360® COORDINATE

Streamline VDC & BIM workflows with model coordination and automatic clash detection.

KEY CAPABILITIES:

- 3D model access & navigation
- Aggregate, filter & view models
- Create coordination spaces
- Automatic clash detection
- Clash matrix
- Model aggregation
- Issue management
- 2D & 3D compare

B AUTODESK®
BIM 360® BUILD

Manage the creation and resolution of RFIs & Submittals and support proactive quality and safety management programs.

KEY CAPABILITIES:

- RFI & submittal management
- Checklist templates
- Mobile inspections
- Issue management
- Root causes
- Daily logs
- Reporting & analytics

+ **COST MANAGEMENT**
(add-on to BIM 360 Build)

Budget control & change order management.

ADDITIONAL BIM 360 PRODUCTS SOLD SEPARATELY

B AUTODESK®
BIM 360® PLAN

Software to build reliable work plans using Lean Construction principles.

B AUTODESK®
BIM 360® OPS

Mobile-first maintenance management solution.

B AUTODESK® **BIM 360® DOCS**

Securely publish and distribute construction drawings, documents, and models in a single, cloud-based repository.

KEY CAPABILITIES:

- Unlimited storage
- Document control & versioning for all file types
- Revit & AutoCAD Publishing

- 2D & 3D viewing & compare
- Document sets
- Approval workflow
- Design issues & markups
- Mobile access
- Reporting & analytics

BIM 360 Resources

To learn more, visit our website at autodesk.com/bim-360

or our Resource Center at bim360resources.autodesk.com

For more information on subscriptions and pricing:

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440 Arsenal Street
Watertown, MA 02472

Phone: 617-923-0500
Fax: 617-923-7006
mtcinfo@microcad3d.com
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