ASSEMBLE YOUR PRECON TEAM

Instant Access to BIM Data for Preconstruction Workflows

Assemble Systems provides a SaaS solution that enables construction professionals to condition, query and connect BIM data to key workflows including design reviews, takeoffs, estimating, change management, value engineering and schedule management. By extracting an entire model inventory in minutes, we provide project teams with quick access to comprehensive model inventories that offer greater efficiencies to your work.

START USING ASSEMBLE TODAY:

1. Model-Based Takeoff

Instant access to complete project inventory to easily organize project data by user defined parameters such as bid-package, locations, phase, WBS or Work Activity codes.

2. Condition the Model

Easily create bids, scope, and views with your company's coding system.
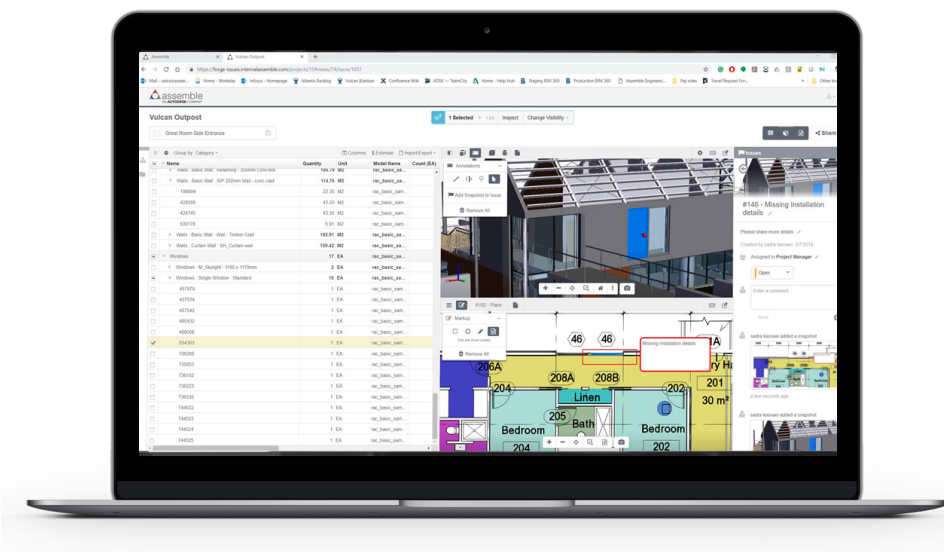
3. Change Management

Automatically track changes for any design updates in models, drawings, and quantities.

4. Access Models & Views

Provide the entire project team with access to "Conditioned" BIM in the cloud.

5. Work in Place Tracking

Models leveraged in the field for work in place tracking and schedule sequencing and coordination discussions.

KEY FEATURES:

Rapid data extraction for quick model takeoffs.

Publish your models within minutes for a complete inventory of the project. Have insight into every model parameter, whether custom, shared or project-based.

Visual variance reporting to manage change.

With each new model published to Assemble, run a variance report to pinpoint adds and deducts in the model. Variance reports track all model objects and can report on any cost changes and other critical parameters in your project.

Conceptual estimating to track design iterations.

Based on your unit cost database, 'Automated Estimating' in Assemble supports early budgeting while the project is still in the design phases. Combined with variance reporting, your conceptual estimate can track project trends as quickly as you can publish out a new model.

Properties manager for model conditioning.

To leverage your BIM investment throughout the project lifecycle, the 'Properties Manager' facilitates populating model information quickly and accurately, outside of the model. Your team can add more information without having to use Revit to do it.

Color coding for organizing inventories.

Whether you use color to manage activity breakdowns, estimates or schedules, Assemble allows you to see the color in the model view, the grid view or your Excel export to communicate the information to the team members that need it.

Level of development tracking for team coordination.

Use 'Level of Development' tracking to coordinate model development with the design team. Communication and coordination improves significantly when all team members understand the expectations for how model elements should be used at project milestones.

Upload unique work breakdown structures.

Use an Excel spreadsheet to upload your unique work breakdown structure or your 'Model Development Specification'. Uniformat, CSI Masterformat and Omniclass are all supported. Using your own 'Assembly Code' scheme allows you to organize model information for your workflow.

Sync data back to the model.

Whether you are modifying type names, adding descriptive data at the instance level, such as manufacturer names or comments for team members, sync the information back to the Revit model to reduce redundancy and build out a robust deliverable.

Create and share views.

Communication and collaboration is improved and simplified when the project team is sharing the same information. Use views to organize information in the way you and your team need to see it.

Work in Place Tracking.

Easily track, visualize, and report on the status of work in progress by leveraging the coordinated model in Assemble and inputting installation status in the field via Assemble mobile app.

ASSEMBLE + BIM 360 INTEGRATION

Increase collaboration and accountability with access to issues tracking and project documents from BIM 360 directly in the Assemble model.
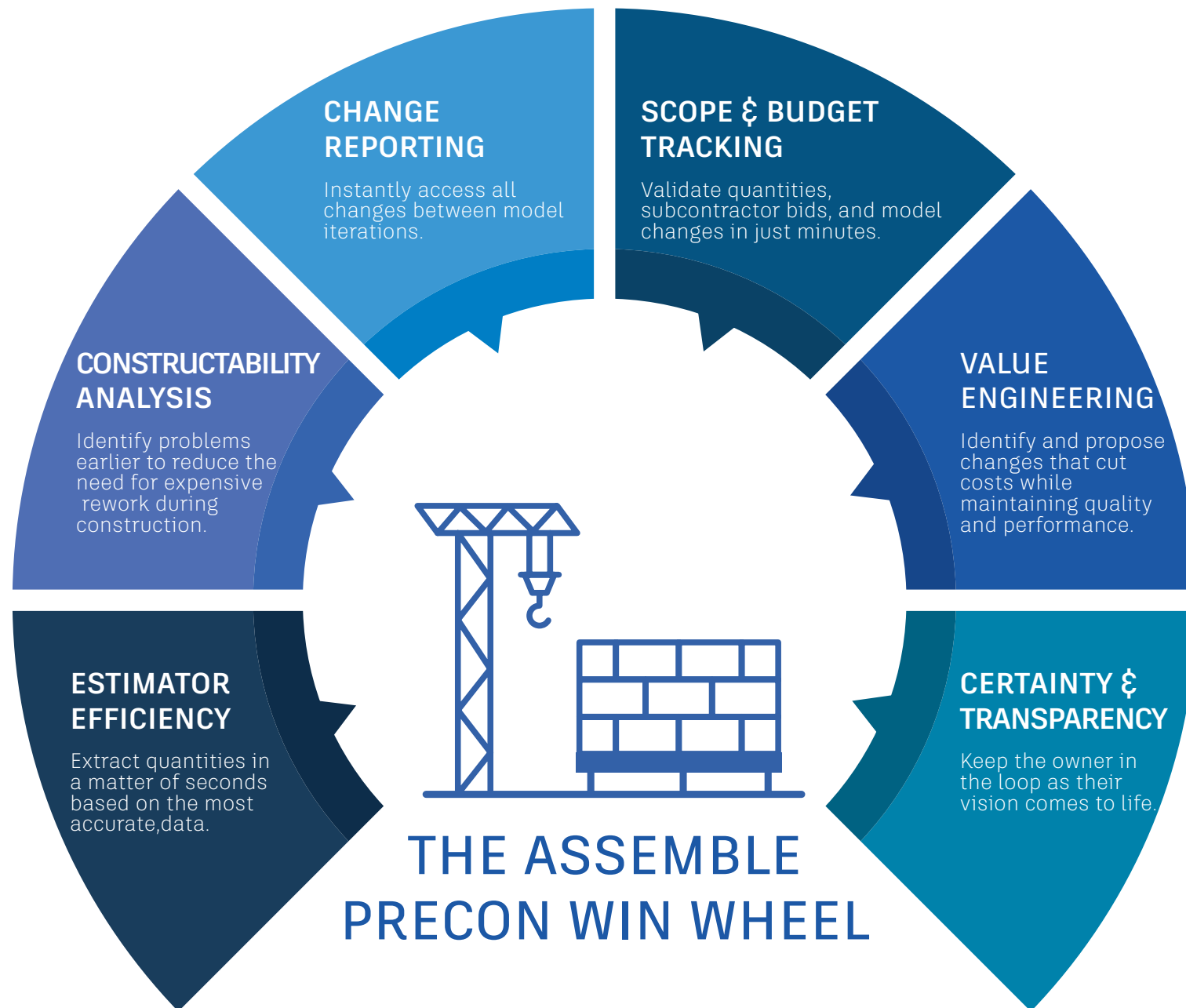
Document Linking

- Access specifications and other project documents from BIM 360 directly in the Assemble model to ensure everyone is working off the latest project data.
- Easily collaborate on the 3D models and supporting documents anywhere and anytime without leaving Assemble.
- Leverage BIM 360 permission based access and version control.

Issue Tracking

- Identify, track and resolve project issues in a faster, more traceable way.
- Create issues right in Assemble with 3D and 2D snapshots along with mark up capabilities.
- Ability to jump into live model or 2D view from the snapshot.
- Issues created in Assemble are available in both BIM 360 Issue Management and Assemble Issue panel.
- Avoid data duplication and errors by transferring information from one project phase to the next across a common data platform.

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POWER PRECON

Improving the path to GMP starts with estimating efficiency, but that's only the beginning.

THE ASSEMBLE PRECON WIN WHEEL

CHANGE REPORTING
Instantly access all changes between model iterations.

SCOPE & BUDGET TRACKING
Validate quantities, subcontractor bids, and model changes in just minutes.

CONSTRUCTABILITY ANALYSIS
Identify problems earlier to reduce the need for expensive rework during construction.

VALUE ENGINEERING
Identify and propose changes that cut costs while maintaining quality and performance.

ESTIMATOR EFFICIENCY
Extract quantities in a matter of seconds based on the most accurate,data.

CERTAINTY & TRANSPARENCY
Keep the owner in the loop as their vision comes to life.

USER GUIDE

Anyone on your preconstruction team can start using Assemble. Here are a few examples where our users see value:

ESTIMATOR
- Model based QTO
- Time savings
- Visual takeoff transparency
- Change analysis on updated models

BIM / VDC MANAGER
- Supporting estimating
- Save time sharing model data
- Engaging more team members around BIM models

PROJECT MANAGER
- Communicating quantity changes to stakeholders
- Work in Place Tracking
- Scope communication

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