

AXOWORKS

YOU CONTROL DESIGN WE WRESTLE THE TECH

Your talents belongs to the design vision, your client, and the important details that sets you apart! Not burning your budget on a steep AI and software learning curve.

Axoworks allows you to continue authoring in AutoCAD while we leverage Revit-AI in the background to handle the heavy lifting of 3D coordination, parametric scheduling, and presentation generation.

1. AutoCAD remains the Master Source of Truth

Native Linking: Revit natively links your DWG files. Your CAD floor plans serve as the exact underlay that drives the 3D model.

Seamless Updates: You redline your CAD plans, we pickup the revisions in the Revit model. You maintain 100% authorship; the 3D model simply conforms to your linework.

2. Zero Waste: Preserving Your Detail Library

Instant Integration: You do not need to redraw a single detail. We can link your existing, highly refined AutoCAD standard details directly into the Revit sheet sets.

Future-Proofing: While you work normally, we can use this project as an opportunity to trace and build your firm's native Revit detail library in the background, preparing you for future transitions without disrupting the current deadline.

3. Total 3D Visibility (Without a Revit License)

The Autodesk Viewer: You don't need to open Revit to control the 3D model. We publish daily updates so that you can review off the web-based Autodesk Viewer.

Design Control: From your browser, you can fly through the digital twin, cut instant 3D sections, measure clearances, and drop markup pins directly onto the model for the production team. You get X-ray vision into your design without touching the authoring software.

4. Automated Presentations & AI Embellishment

Instant Massing & Perspectives: Because the 3D digital twin is being built concurrently with your 2D plans, you are entirely freed from building separate presentation models (like SketchUp or Rhino) for client meetings. Your presentation model is your production model!

AI-Enhanced Renderings: We can extract raw, parametric 3D views from the model and use Generative AI to apply materials, lighting, and environmental context. You get high-end visualization to sell the design, with zero rendering time.

5. Parametric Coordination & Risk Mitigation

Automated Clash Detection: By pushing your 2D design into the 3D environment, we instantly check your architectural intent against the structural and MEP consultant models.

Smarter Revisions: If an engineer's duct runs through your ceiling, you receive a visual clash report. You make the design decision, update your CAD file, and the parametric system resolves the conflict across all views automatically.

6. Eliminating the Tedium (Schedules & Tags)

Database Extraction: Manual counting is prone to human error. Door, window, hardware, and room finish schedules are extracted directly from the 3D components we build over your CAD plans. If you delete a door in CAD, it disappears from the Revit model, and the schedule updates automatically.