



ProjectWise[®] Design Review

Streamline Your Design Workflows with Digital Twins

Globalization has changed the way we work giving us new opportunities to collaborate on projects around the world. ProjectWise Design Review helps connect people and information across geographically dispersed teams using cloud-based digital twins to design, manage, and validate infrastructure projects.

With ProjectWise Design Review, you benefit from seamless, federated CAD data integration, model-based design collaboration, closed-loop issues resolution, clash detection, BIM data validation, with full dashboarding to ensure high-quality, on target designs.

COLLABORATE GLOBALLY 24/7

ProjectWise Design Review enables you to streamline your design workflows with global digital twin work sharing on the cloud across your distributed teams. The software helps you remove geographic and technology boundaries to ensure that everyone can access, share, and leverage project information, digital twin models, and communication to engage your team.

- ◆ Share digital twins securely among different organizations
- ◆ View and access 3D digital twin models 24/7 using a web browser
- ◆ Perform global collaborative multidiscipline design reviews
- ◆ Connect seamlessly with business tools such as Microsoft Teams

FUTURE-PROOF YOUR ABILITY TO SUCCEED

ProjectWise Design Review helps you leverage open and scalable Bentley iTwin-powered digital twin technology to tackle the most demanding infrastructure projects. With ProjectWise, you can:

- ◆ Develop new business opportunities from Internet of Things-ready digital deliverables
- ◆ Pursue new digital-integrator and design-build opportunities
- ◆ Add sustainability reporting
- ◆ Create new immersive metaverse experiences for your clients

IMPROVE PROJECT QUALITY

With ProjectWise Design Review, you can deliver high-quality projects using federated iTwin[®]-powered digital twins that make infrastructure sustainable and resilient and that better serves all stakeholders. You can use ProjectWise Design Review to improve project quality and realize the following features:

- ◆ Integrate with Bentley and non-Bentley CAD design and geospatial applications—support for over 35 CAD/3D formats
- ◆ Find documents and content, as well as index documents and engineering components using powerful search capabilities
- ◆ Create and manage model versions
- ◆ Track what happens to models throughout the lifecycle with a comprehensive audit trail and timeline of change
- ◆ Perform side-by-side comparisons of model versions to quickly validate changes
- ◆ Identify and resolve clashes and interferences to avoid costly on-site rework
- ◆ Validate BIM data to ensure accuracy and completeness for digital handoffs

INCREASE YOUR CAPACITY TO DELIVER

ProjectWise Design Review allows you to do more with less by enabling rapid project startup. This collaboration and content management platform provides unmatched capabilities to quickly stand-up the most demanding projects and deliver high-quality results.

- ◆ Connect geographically dispersed teams instantly
- ◆ Design with real-time engineering work-in-progress
- ◆ Accelerate supply chain and stakeholder collaboration
- ◆ Leverage and enforce best practices across your project portfolio
- ◆ Curate component libraries democratizing institutional knowledge

SYSTEM REQUIREMENTS

MINIMUM: Intel® or AMD® 64 bit processor 1.0 GHz, 2GB, Intel HD Graphics 520, Direct 3D version 11 or later, OpenGL

RECOMMENDED: Intel® or AMD® 64 bit processor 2.8 GHz or greater, 8GB, dedicated graphics card with minimum of 2 GB VRAM

BROWSER COMPATIBILITY: Chrome, Firefox, Safari, Opera, Edge

ProjectWise Design Review At-A-Glance

MODEL-DRIVEN DIGITAL TWIN DESIGN REVIEWS

Conduct multidiscipline model-driven design reviews using iTwin-powered digital twins complete with round-trip issues resolution, BIM data validation, and clash detection.

Web Design Collaboration

- Connect project teams to designs on any platform using a web browser
- Integrate CAD and 3D models from 35 supported formats
- Measure section and query models with rich interrogation tools
- Connect with business tools such as Microsoft Teams for integrated web conferencing design reviews

Round-trip Issues Resolution

- Use 3D markups with text and graphics to quickly highlight issues
- Combine 2D and 3D data into a single issues workflow. Access and solve issues directly from your source CAD systems
- Use integrated dashboards to quickly summarize and identify issue status

Timeline of Change/Version Compare

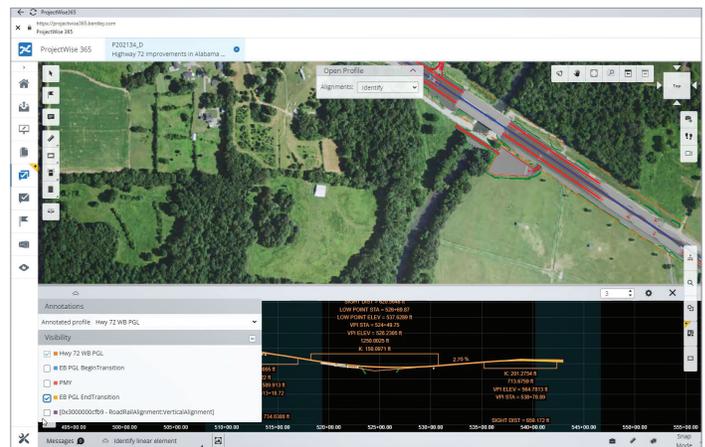
- Fully traceable and auditable change log history with timeline of change
- Graphically identify and display changes with color-coded, side-by-side comparisons
- Use the data visualization feature to create custom color-coded model queries

Design Validation and Clash Resolution

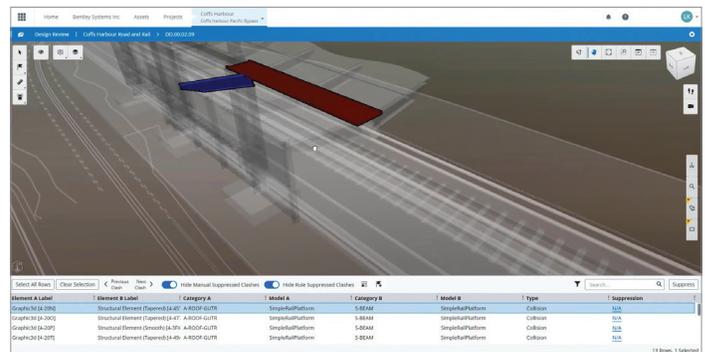
- Validate models for completeness and accuracy using rule-driven validation
- Identify clash and interference issues against any model geometries
- Fully integrated with round trip issues resolution with streamlined workflow
- Ensure data quality and adherence to standards with BIM data checking

High-fidelity Visualization

- Seamless interoperability with Bentley's LumenRT for producing high-fidelity media
- Rapid creation of design fly-throughs from any POV
- Simulate reality with traffic and pedestrian animations
- Create immersive VR and 360 project tours
- Automatically sync and update visualizations from ProjectWise Design Review digital twins



Navigate, interrogate, and measure models with cross sections.



Perform graphical clash and interference checking with integrated issues resolution.