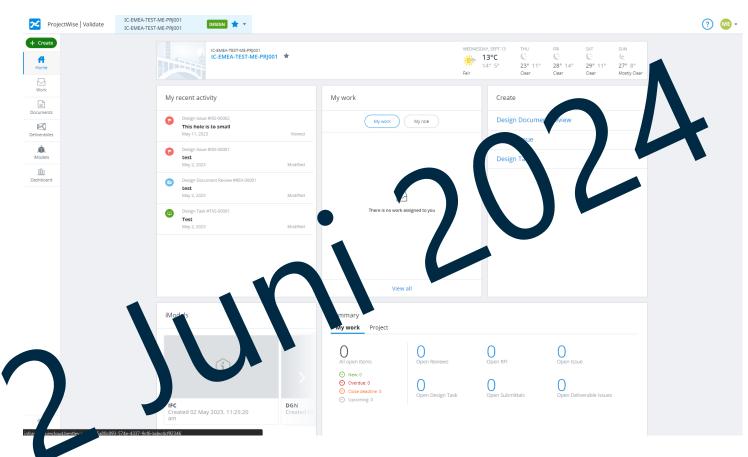


Ernst van Baar, Solution Architect



What is New in ProjectWise 2023?

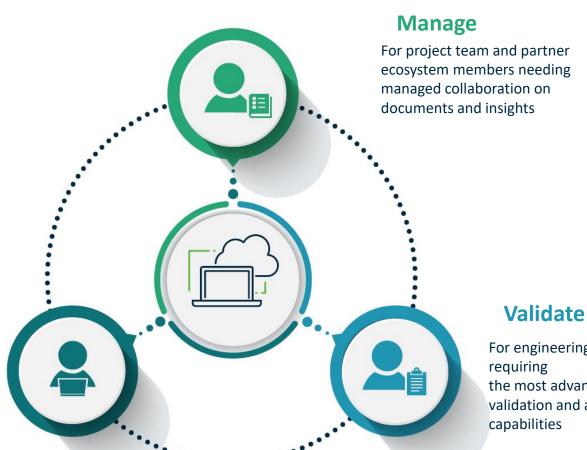
- Rebranding all applications
 - ProjectWise Design Integration Connect Edition Update X to ProjectWise 2023
- New Unified Portal
 - Consolidation of products and functionality
 - ProjectWise 365 / CONNECT
 - iTwin Design Review
- Persona Licensing and **Entitlements**
 - Manage
 - Engineer
 - Validate





ProjectWise meets the needs of everyone,

from your CEO to your project team members



- Provides better alignment across both file-centric document and data-centric digital twin workflows
- Flexible access governance at the project or enterprise level
- Users can be assigned different access roles across projects

For engineers and designers collaboratively processing infrastructure models

For engineering leadership the most advanced engineering

validation and analysis



Capabilities Matrix – Legacy Comparison

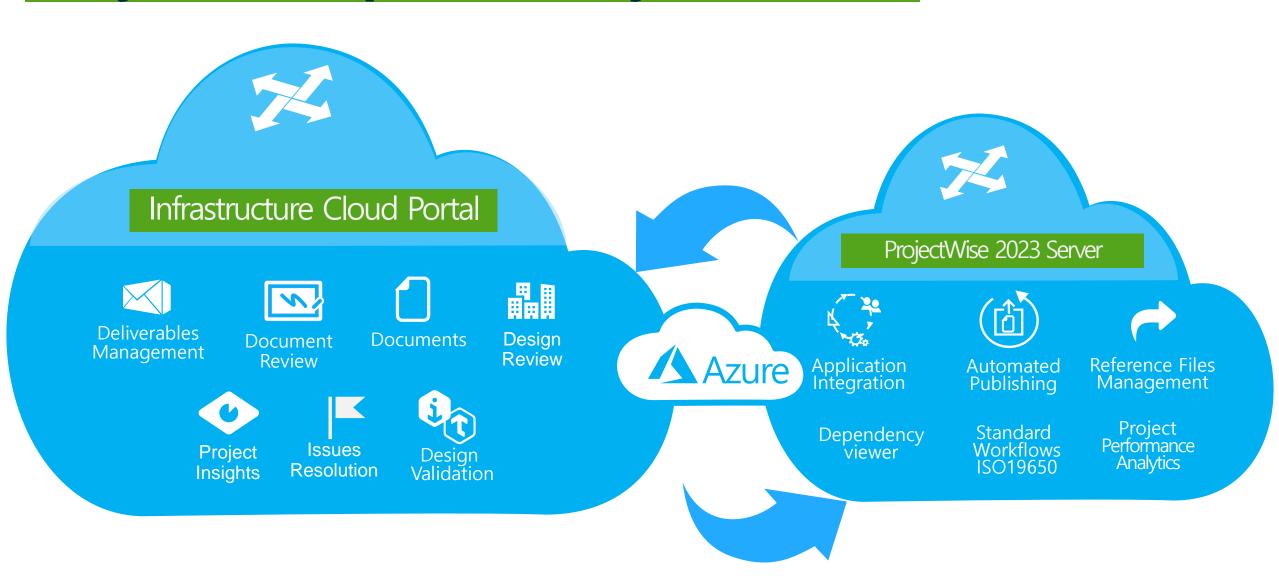
Capabilities		ProjectWise Visa Level (Legacy)		
	365	Design Integration	4D Design Review	
Auditable document control for infrastructure design	√	✓	√	
Microsoft Office work-sharing for infrastructure design	✓	\checkmark	✓	
Issue review and approval with PDF	✓	\checkmark	✓	
Standards based (ISO19650) workflows	✓	\checkmark	✓	
Project insights	✓	\checkmark	✓	
Manual PDF generation and plotting	√	√	\checkmark	
iTwin viewing				
Issue review and approval with iTwin				
Intuitive Infrastructure Cloud web interface				
Engineering work-sharing & standards management for infrastructure design		✓	✓	
Automated PDF renditioning		✓	✓	
Digital component-based design		✓	✓	
Advanced document control for infrastructure design		✓	✓	
Automated synchronization to IoT-ready iTwin for digital design delivery			✓	
Issue creation and resolution using PDF and iTwin			√	
GeoSpatial iTwin reality mesh capture and management				
Infrastructure design validations: BIM rules, clash detection with iTwin			✓	
Interdisciplinary, IoT ready iTwin administration for infrastructure design			✓	
Visual interdisciplinary change analysis				
Design process definition and alignment				
Advanced iTwin-based civil design validations	4			

Infrastructure Cloud ProjectWise

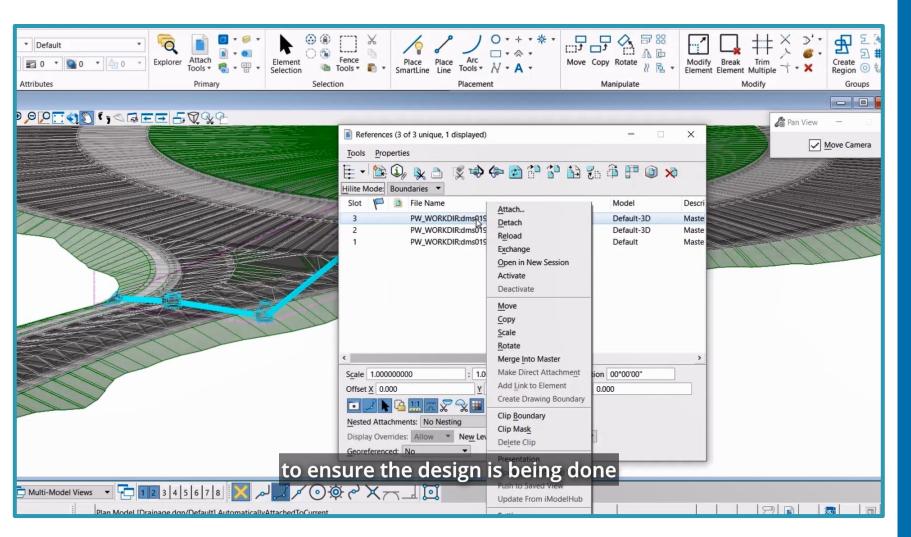
Commercial Model

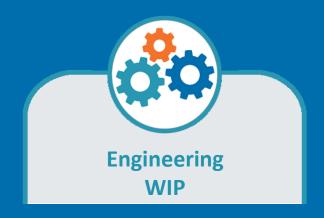
Capabilities	Manage	Engineer	Validate
Documents: store documents with version control, attribution, and audit trails, print/plot CAD files and documents	Х	X	X
View: participate in hybrid (document/BIM/digital twin) workflows, view documents, dashboards and iTwins, view/approve issues, access/view PW Design Integration content	X	X	X
Correspondence: deliverables, manage transmittals, RFI and general correspondence	X	X	X
Design Integration: CAD-connected design application integration services, enterprise rules-driven engineering WIP, PW engineering desktop		X	X
Digital Twin Design : create issues with PDF or 3D markup, initiate forms-based workflows, component center catalog access		X	X
Digital Twin Validation: Create multi-discipline, federated design reviews, BIM data checking, clash detection, version compare, data viz, and advanced civil tools			X
Insights: understand project and portfolio insights, author dashboards			Х

ProjectWise, powered by iTwin



Here's How ProjectWise is Evolving





- ✓ Industrial strength, industry proven engineering WIP
- ✓ Managed workspaces to ensure project standards and compliance
- ✓ Deep, seamless integration with your CAD applications and Microsoft office tools

Welke versie werken jullie mee?

- ProjectWise on-Premise
- ProjectWise hosted by Bentley
- PW Cloud



ProjectWise 2023

Increased agility to deliver updates faster





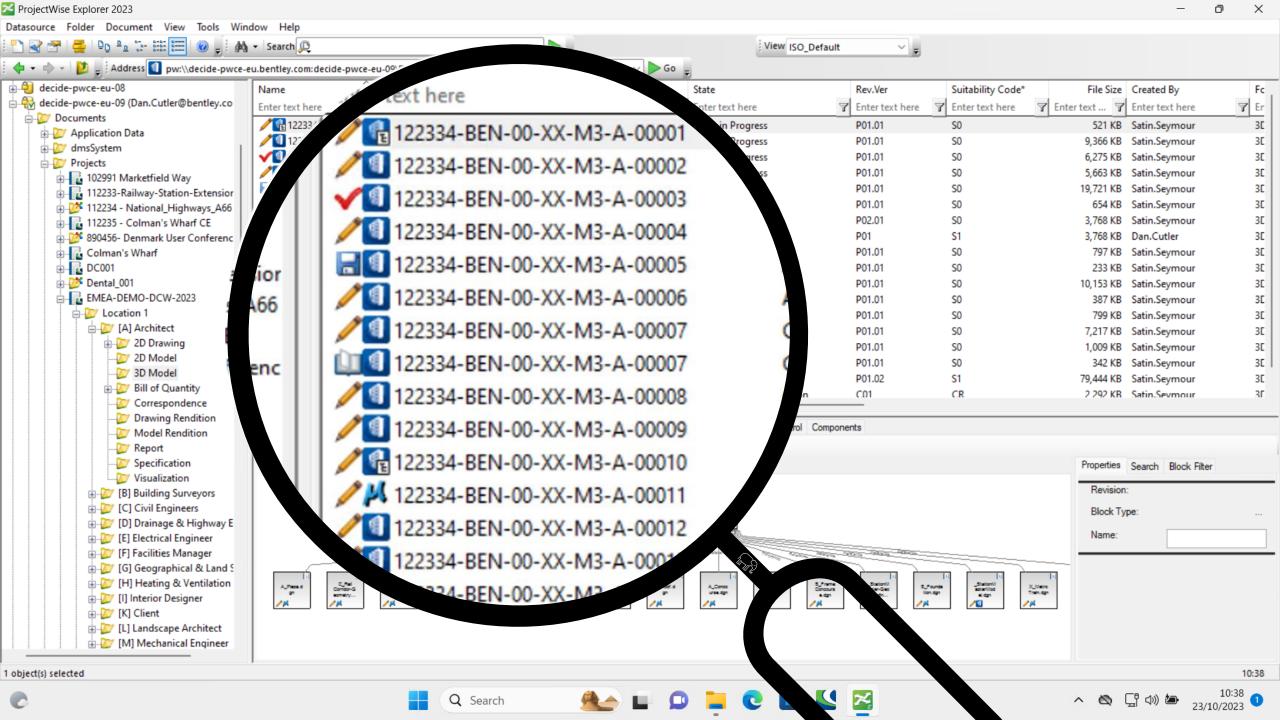


- Enhanced cloud-first hosting
- Release early, release often
- Cloud based (SES) licensing
- Continuous performance enhancements
- Power Platform 2023 Integration
- Upgrade to ProjectWise Design Integration 2023 not required to enable some data-centric workflows

2023 Q3 2023 Q2 2023 Q4 2024 Q1 . . . Incremental Release Upgrades General Upgrades (Hosted only) (Hosted and on prem)

User Success will contact you when its your time to upgrade







What's New in ProjectWise 2023 Server?

Key Enhancements

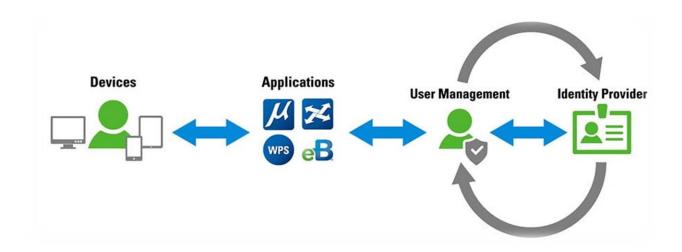
- Name Change
- Improved User Licensing Options (SES)
- OpenID Connect (OIDC) Authentication
- Bentley IMS Synchronization enhancements
- User Account Association
- Enforcing the Lowest Version of TLS
- New Datasource Settings
- Issue Resolution Service Enhancements
- iCS for PDF
- Updated OS & DB Support
- Updated Application Integration Support

Improved User Licensing Options (SES)

Previously: Only 434 and 453 Explorer Client supported SES **BUT!** It forced everyone to BYOL

Any ProjectWise Explorer 2023 version, or older CONNECT Now:

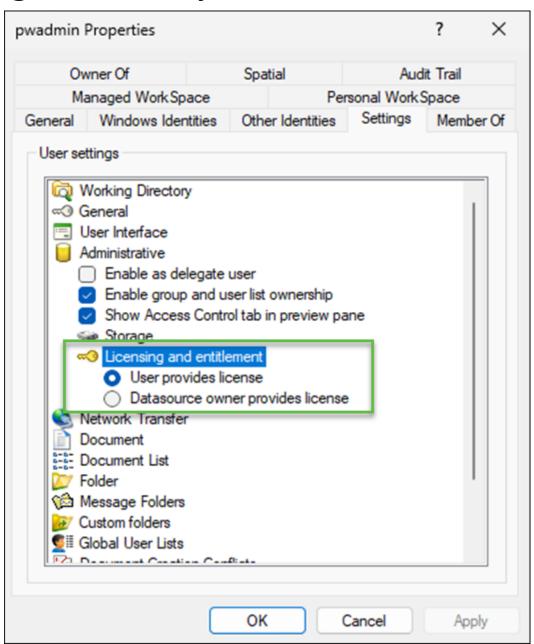
Edition- Apart from 434 and 453 - will respect server settings



SES = Subscription Entitlement Service

BYOL = Bring Your Own License

Datasource Registration by owner and Per User Licensing



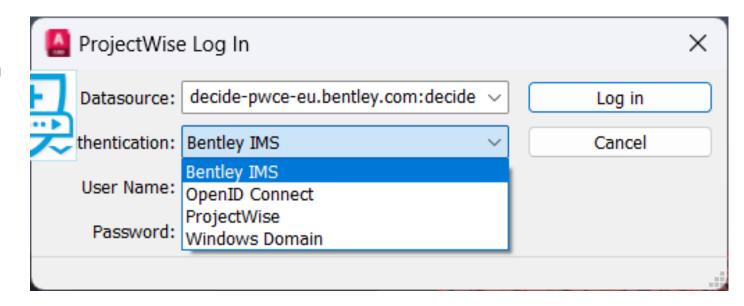
User Account Association

A ProjectWise user account can now be configured to log in with:

- a simple ProjectWise username and password
- the credentials of their associated Windows domain account
- the credentials of their associated Bentley IMS account (can use Bentley IMS or OIDC authentication)
- the credentials of their associated Microsoft 365 account (requires OIDC authentication)

A single user can now also be assigned more than one of the above types of login credentials.

The "account type" concept is gone.

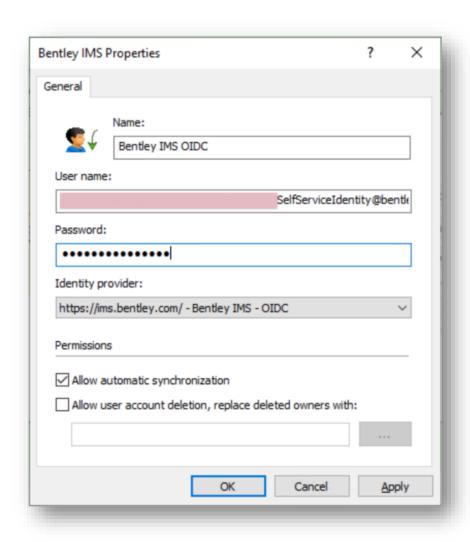




Bentley IMS Synchronisation enhancements

The way that you synchronise Bentley IMS with the datasource has been revised and improved.

Synchronisation creates new, or updates existing, ProjectWise accounts that are associated with Bentley IMS accounts, and optionally removes ProjectWise accounts if the associated Bentley IMS account no longer exists.



New Datasource Settings

User login control:

- Periodic login timeout
- Login timeout after inactivity
- Login validity checking frequency
- Restrict login to single device

Note: After setting these global datasource settings above, you can turn on the General > Apply Login Control Rules user setting for users as needed.

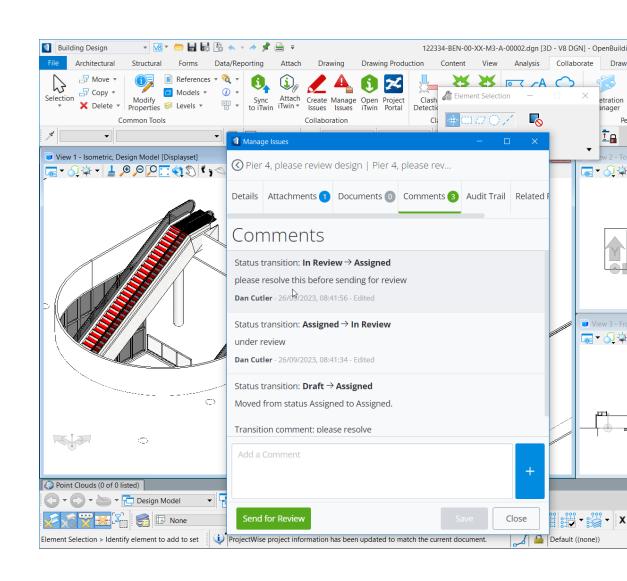


Issue Resolution Service Enhancements

The Issue Resolution Service (IRS) is available in MicroStation (and related apps), AutoCAD (inc. C3D), and Revit

PW 2023 includes improved IRS integration across all 3 applications, and now uses the same web component, ensuring consistency across all applications.

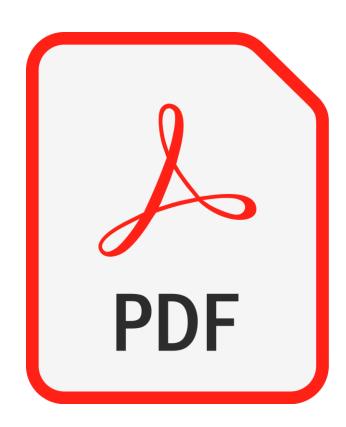
Resulting in improved user experience for closed-loop review workflows, with Design Review and integrated design apps.





iCS for PDF

- **New** Select by Login feature, to make it easier when specifying login credentials
- **New** Auto Start tab on the Job Builder dialog, lets you quickly configure any job to automatically start and run at a specified interval.
- **New** Server Configuration Editor dialog in Orchestration Framework Administrator (Bentley iCS for PDF Browser)
- **New** Display Stored Job List option in Orchestration Framework Administrator (Bentley iCS for PDF Browser), lets you open a window that lists all saved job definitions.
- **New** Message Duration column in the Job Monitor window, lets you see how long a particular process took to process a message.
- ProjectWise Web document links can now be included in email notifications and job history, by setting the new server configuration property Enable Email Web URLs to True.
- The delivered web.config file for the rendition service web service now supports HTTPS by default.
- **New** Queued job status in the iCS for PDF Active Jobs window, displays a status of "Queued" instead of "Active" if the job has been started
- **New** Advanced addition settings (XML) option in the Output Destination Folder dialog in ProjectWise Administrator, provides an advanced, alternative method for configuring attribute mapping.
- **New** Job.StartTime variable, available in the Add Symbol dialog in ProjectWise Administrator.



Updated OS & DB Support

Operating Systems

- Windows 11
- Windows Server 2022

Database

• SQL Server 2022

Focus ProjectWise 2024



- **PW Cloud**
- Moderne UX
- Search meerdere datasources
- Al mogelijkheden













https://www.bentley.com/legal/trust-center/