



ProjectWise Collaboration System

Software for Connecting People and Information across Distributed Teams

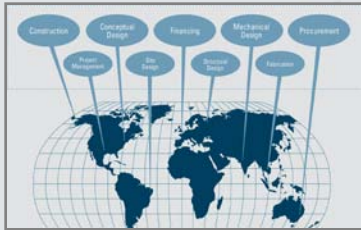
Joe Croser

Global Marketing Director, Platform & SELECT

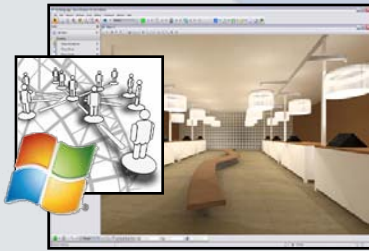
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PROJECTWISE V8 | COLLABORATION SYSTEM

Software for Connecting People & Information Across Distributed Teams



ProjectWise® collaboration software connects people and information across project teams – no matter where they are located – to help them improve quality, reduce rework, and meet project deadlines.



ProjectWise includes an integrated suite of desktop and server software for content management, content publishing, and design review and comes with a choice of OnLine or OnPremise options.

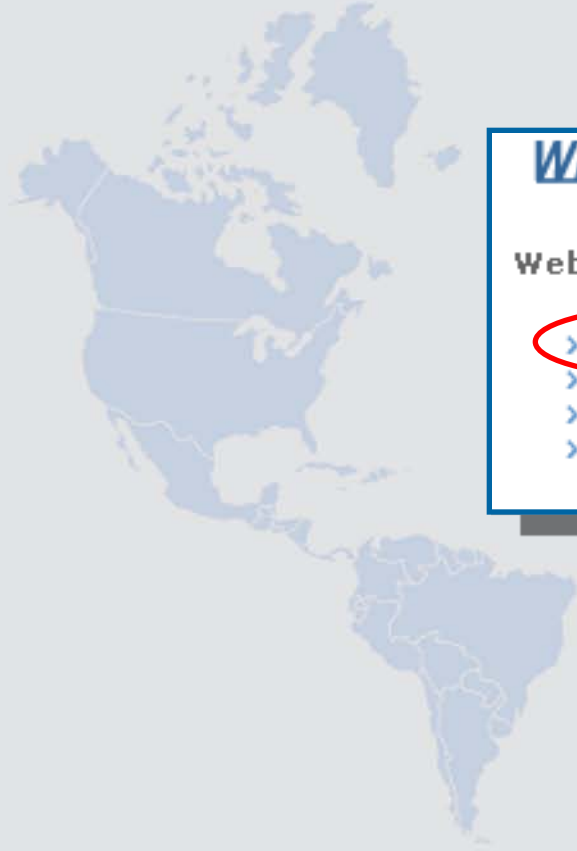


The Benefit? Average annual employee-cost savings of 13 percent, increased team utilization, reduced project risk, and ROI in <3 months. It's no surprise that 42/50 leading firms are Connected by ProjectWise.

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Products
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PROJECTWISE V8 MANAGE, FIND & SHARE
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CONNECTING PEOPLE AND INFORMATION ACROSS THE ENTERPRISE

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What's New

Web Pages

- » User Stories
- » ProjectWise StartPoint
- » PW Integration Server
- » ProjectWise Navigator

Collaboration System
Information Across a Distributed Enterprise

The collaboration system used by teams to manage CAD and geospatial content, project data, and other information.

Over 100 top engineering firms in the ENR 500 and seven of the top 10 global 150 now use ProjectWise. Here's why:

- Project Management (BIM)** is driven by ProjectWise. The project management strategy is connected by ProjectWise, improving quality using ProjectWise. Daily Advancing GIS for Infrastructure.
- Your people and information** using the tools and technologies.
- StartPoint** - Information based on Microsoft SharePoint.

ProjectWise Navigator
Visual collaboration for immersive design review and analysis

ProjectWise Integration Server
Project collaboration across a distributed enterprise

ProjectWise InterPlot
Publishing solutions for accurate & intelligent project deliverables

The ProjectWise system includes **desktop applications** for visual collaboration and **servers** for connecting people and information across the distributed enterprise.

ProjectWise servers will cache data in multiple locations for fast access, manage and automate plotting and publishing, and connect with enterprise systems such as Microsoft Office SharePoint.

Learn about **Bentley SELECT** and protect your investment in the ProjectWise collaboration system.

What's New

Web Pages

- » User Stories
- » ProjectWise StartPoint
- » PW Integration Server
- » ProjectWise Navigator

eSeminars

- » Manage, Find, Share
- » Microsoft Video
- » Geospatial Server (registration required)

PowerPoints

- » Manage, Find, Share
- » ProjectWise Overview

ProjectWise in the press

- » Cadalyst Online
- » GISmonitor.com
- » User Stories

Licensing Options

- » SELECT Server XM

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ProjectWise Integration Server
Project Collaboration Across a Distributed Enterprise

ProjectWise is a global success!

ProjectWise is a scalable collaboration system for connecting people and information across the distributed enterprise. Core capabilities enable users to manage, find, and share CAD and geospatial content, project data and Office documents.

HDR Connects people and information across its distributed enterprise

"To date, ProjectWise, which serves roughly 3500 HDR staff in more than 80 locations, has reduced rework problems by 50 percent or more per location. HDR estimates its time savings from the use of ProjectWise are at least 40 hours per project start."

Civil ProjectWise User Case Studies

HDR Connects people and information across its distributed enterprise

"To date, ProjectWise, which serves roughly 3500 HDR staff in more than 80 locations, has reduced rework problems by 50 percent or more per location. HDR estimates its time savings from the use of ProjectWise are at least 40 hours per project start."

eProposal saves \$2 million per year - Michigan DOT uses ProjectWise

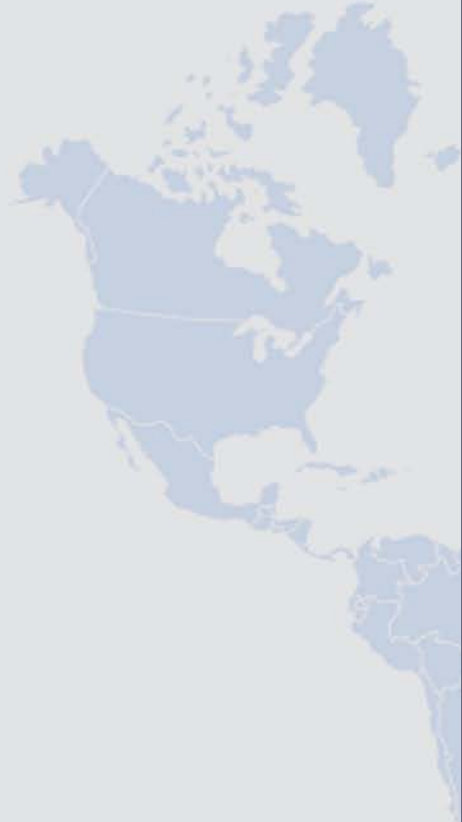
"The initial goal of eProposal was to publish construction plans and proposals to the internet for contractors to view, download, and print. ...ProjectWise has allowed Michigan DOT (MDOT) to develop an electronic workflow... cost savings are estimated at \$2 million per year."

Wade Trim deploys ProjectWise to significantly reduce paper copies of drawings

"To streamline the access to the team's CAD data, Wade Trim used ProjectWise to share all

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2006 Project Yearbook - Microsoft Internet Explorer provided by Bentley Systems

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TOOLS CONTENTS ZOOM 1-PAGE VIEW 48 - 49 SEARCH PRINT SAVE LINK HELP

HDR ProjectWise Implementation

HDR Engineering, Inc.

Distributed work sharing is one of the keys to HDR's business success. In these operations, the firm found that moving drawings and documents over e-mail and FTP poses unacceptable risks that files will be overwritten or corrupted. With the average cost to regenerate a single drawing being approximately \$1350, a single miscue could affect a set of 75 sheets, leading to a total loss of \$100,000.

To overcome these and other challenges, HDR implemented the ProjectWise system of collaboration servers as its primary document management system. ProjectWise has added considerable value to HDR's production processes and has considerably enhanced the quality of work. In an expanding, multiple-service business like HDR, producing plans and specifications can be a daunting challenge. However, ProjectWise provides a framework for work sharing and workload balancing that matches the firm's distributed production model.

ProjectWise facilitates transparent access to documents when project teams are spread across multiple locations. As a result, HDR engineers can now

access their critical documents from a client's office, from an HDR office they are visiting, or from home.

ProjectWise is also serving as a framework for implementing HDR's comprehensive CAD standards, which follow the firm's engineers from location to location. Moreover, engineers can work on projects and jump from one client standard to another.

Realizing that CAD technicians are overwhelmed with complicated choices, HDR has automated

those choices and forced the automatic control settings based on the project folders from which drawing is selected—improving work quality.

To date, ProjectWise, which serves roughly 3,000 HDR staff in more than 80 locations, has reduced rework problems by 50 percent or more per location. HDR estimates its time savings from the use of ProjectWise are at least 40 hours per project set.

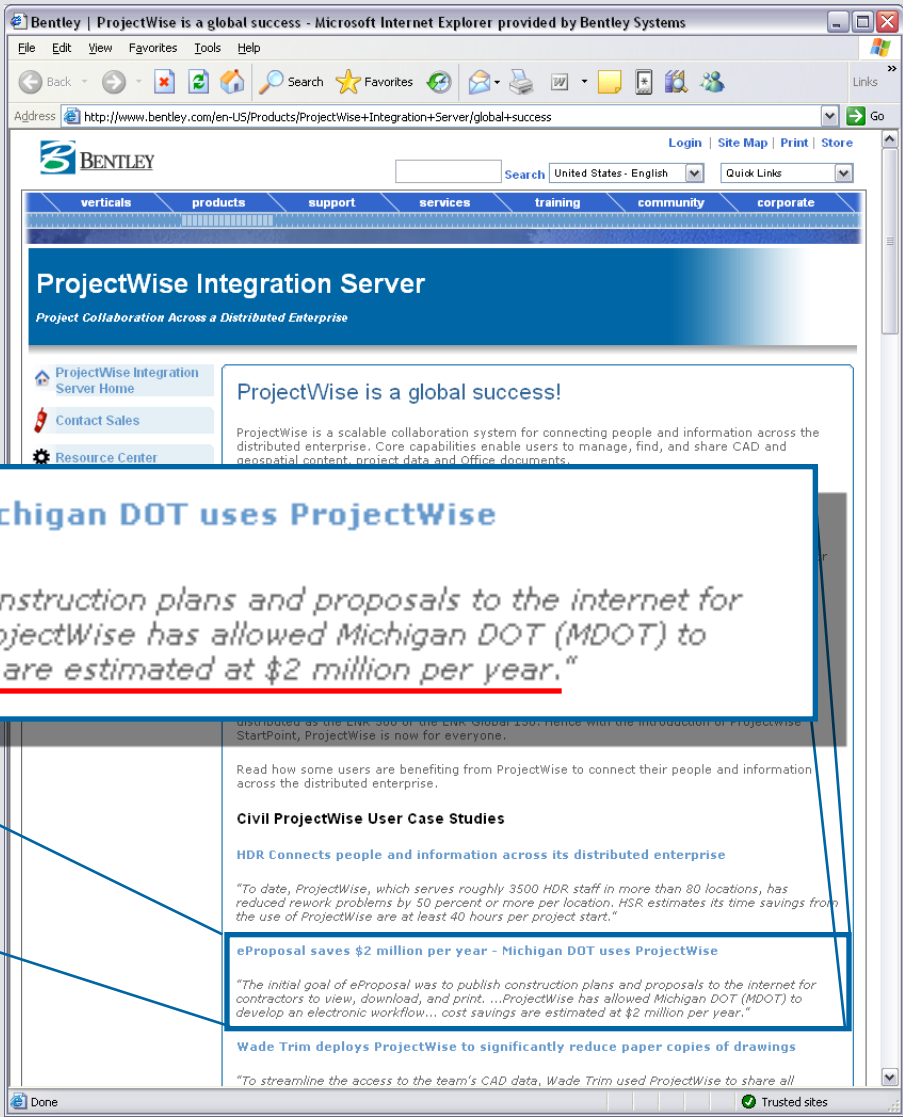
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Using ProjectWise to connect people and information across 13 organizations

"Burgess & Niple used ProjectWise to connect 13 different organizations working on the Cleveland Innerbelt Freeway. System to provide each team member safe, secure, and rapid access to all project documents."

Optimizing workflows and reducing paperwork in Chilean capital using ProjectWise

"When the President of Chile set a challenging project deadline for a new subway extension in Santiago. Cade-Idepe turned to Bentley for help. Implementing ProjectWise, the team reduced paperwork and optimized project workflows, ensuring that the deadline was met."

ProjectWise replaces chaos with control for CAD file management

"Michigan Department of Transportation (MDOT) first implemented ProjectWise to improve CAD management and workflows. Using ProjectWise MDOT was able to remove the pains associated with having multiple versions of uncontrolled files spread across many locations."

French leader in toll motorway engineering globally connects teams with ProjectWise

Utah DOT saves \$100,000 in printing costs; contractors save even more!

"UDOT implemented ProjectWise technologies to manage MicroStation DGN files and civil design information and to make those files available on demand to contractors. Using ProjectWise plotting services UDOT has saved \$100,000 per year in printing costs; contractors have realized even greater savings."

New York State DOT connects people and information using ProjectWise

"New York State DOT (NYSDOT) implemented a managed environment using ProjectWise to connect any engineer with current project information no matter which office they work in. Today NYSDOT is one of the largest, most distributed ProjectWise users in North America."

ProjectWise provides seamless collaboration for MicroStation and InRoads users

"Kentucky Transportation Cabinet use ProjectWise as a single repository for all design data and correspondence ensuring that all project participants have immediate access to all project information. Key benefits include the connection of 10 different firms for simultaneous design collaboration using MicroStation and InRoads."

Geospatial ProjectWise User Case Studies

US Army Corps of Engineering deployed ProjectWise

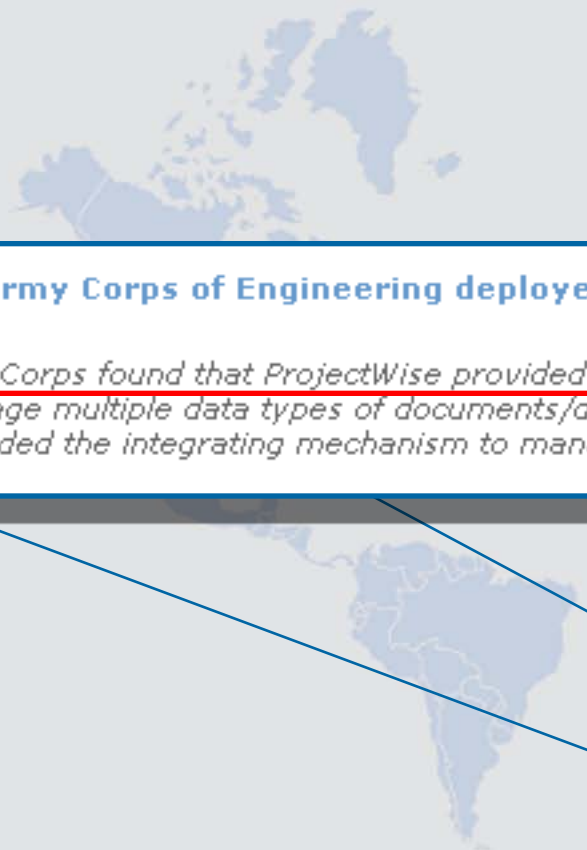
"The Corps found that ProjectWise provided an out-of-the-box capability to easily store and manage multiple data types of documents/data sets and the metadata associated. ...ProjectWise provided the integrating mechanism to manage the overall data environment."

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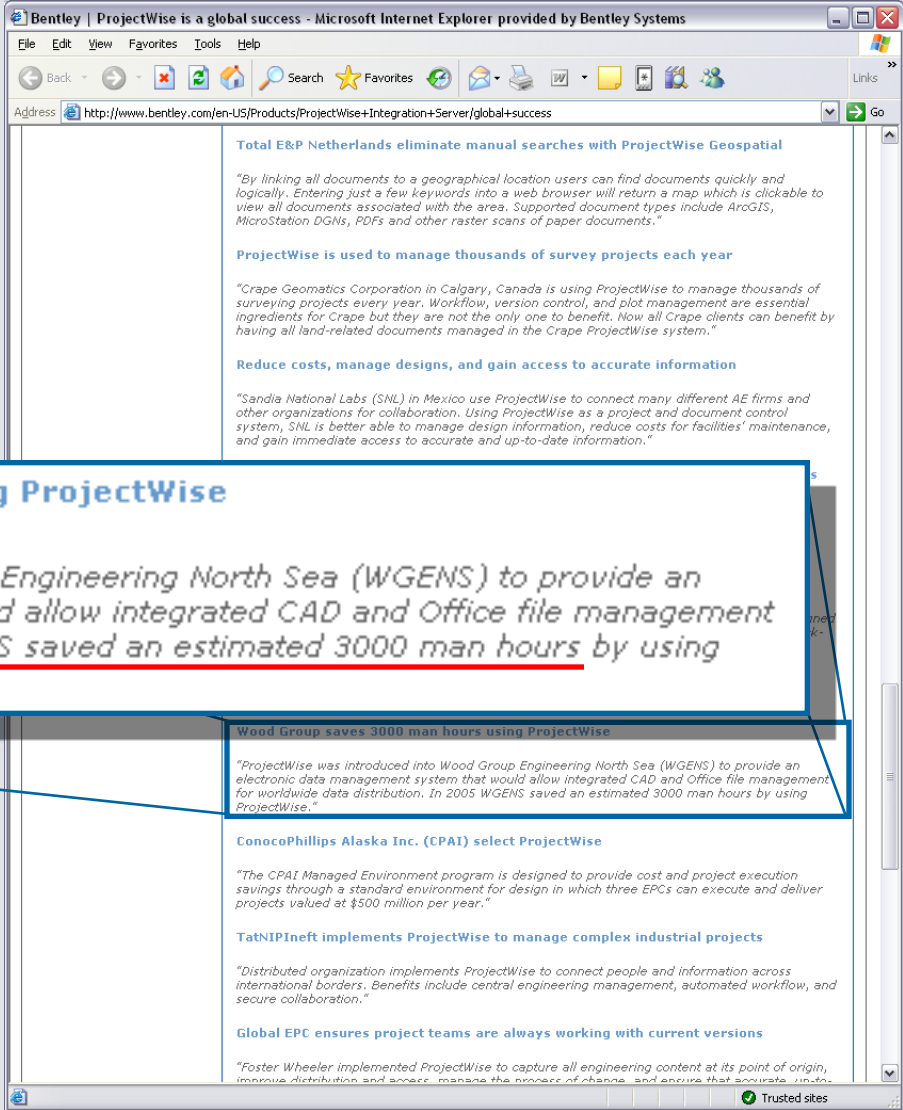
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Wood Group saves 3000 man hours using ProjectWise

"ProjectWise was introduced into Wood Group Engineering North Sea (WGENS) to provide an electronic data management system that would allow integrated CAD and Office file management for worldwide data distribution. In 2005 WGENS saved an estimated 3000 man hours by using ProjectWise."

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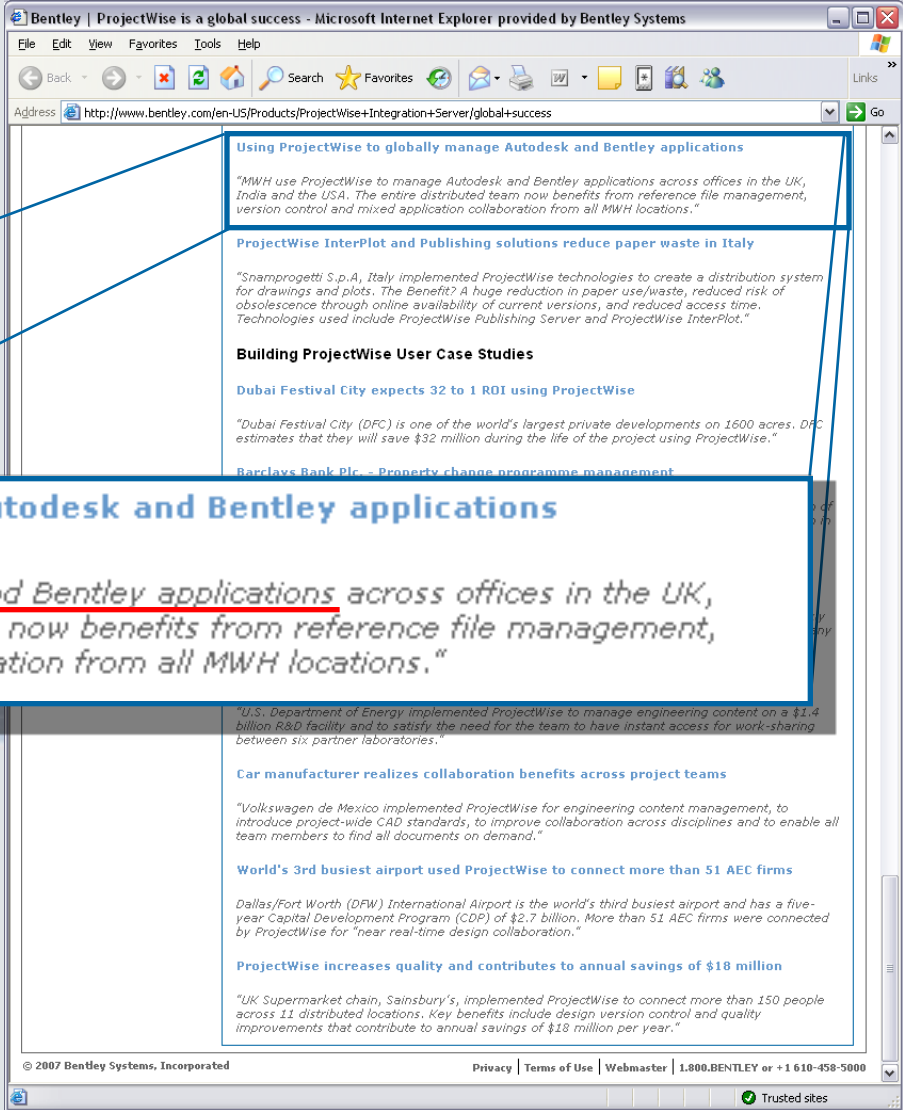
ConocoPhillips Alaska Inc. (CPAI) select ProjectWise
"The CPAI Managed Environment program is designed to provide cost and project execution savings through a standard environment for design in which three EPCs can execute and deliver projects valued at \$500 million per year."

TatNIPIneft implements ProjectWise to manage complex industrial projects
"Distributed organization implements ProjectWise to connect people and information across international borders. Benefits include central engineering management, automated workflow, and secure collaboration."

Global EPC ensures project teams are always working with current versions
"Foster Wheeler implemented ProjectWise to capture all engineering content at its point of origin, improve distribution and access, manage the process of change, and ensure that accurate, up-to-date information is available to all project team members."

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Using ProjectWise to globally manage Autodesk and Bentley applications

"MWH use ProjectWise to manage Autodesk and Bentley applications across offices in the UK, India and the USA. The entire distributed team now benefits from reference file management, version control and mixed application collaboration from all MWH locations."

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ProjectWise InterPlot and Publishing solutions reduce paper waste in Italy

"Snampiogetti S.p.A, Italy implemented ProjectWise technologies to create a distribution system for drawings and plots. The Benefit? A huge reduction in paper use/waste, reduced risk of obsolescence through online availability of current versions, and reduced access time. Technologies used include ProjectWise Publishing Server and ProjectWise InterPlot."

Building ProjectWise User Case Studies

Dubai Festival City expects 32 to 1 ROI using ProjectWise

"Dubai Festival City (DFC) is one of the world's largest private developments on 1600 acres. DFC estimates that they will save \$32 million during the life of the project using ProjectWise."

Barclays Bank Plc - Property change programme management

"U.S. Department of Energy implemented ProjectWise to manage engineering content on a \$1.4 billion R&D facility and to satisfy the need for the team to have instant access for work-sharing between six partner laboratories."

Car manufacturer realizes collaboration benefits across project teams

"Volkswagen de Mexico implemented ProjectWise for engineering content management, to introduce project-wide CAD standards, to improve collaboration across disciplines and to enable all team members to find all documents on demand."

World's 3rd busiest airport used ProjectWise to connect more than 51 AEC firms

Dallas/Fort Worth (DFW) International Airport is the world's third busiest airport and has a five-year Capital Development Program (CDP) of \$2.7 billion. More than 51 AEC firms were connected by ProjectWise for "near real-time design collaboration."

ProjectWise increases quality and contributes to annual savings of \$18 million

"UK Supermarket chain, Sainsbury's, implemented ProjectWise to connect more than 150 people across 11 distributed locations. Key benefits include design version control and quality improvements that contribute to annual savings of \$18 million per year."

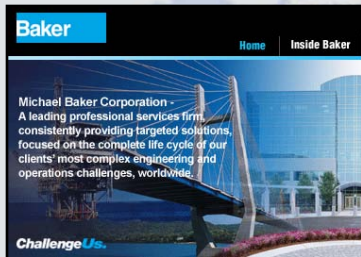
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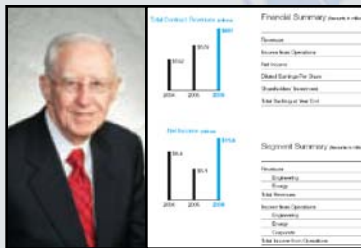
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PROJECTWISE V8 + Baker

ProjectWise is helping Baker increase efficiencies and reduce rework by connecting people and information across distributed teams.



Michael Baker Corporation is a leading professional services firm with revenues in excess of \$650m. Baker provides solutions focused on the lifecycle of a client's most complex engineering challenges.



Chairman & CEO, Richard Shaw reported to shareholders on an annual conference call that ProjectWise **increases employee efficiency** by **balancing workload** across busy and quiet offices.



“Everybody knows who’s working on what... the PMs are seeing the profit because they don’t have to do the 200 to 300 hours of rework.”

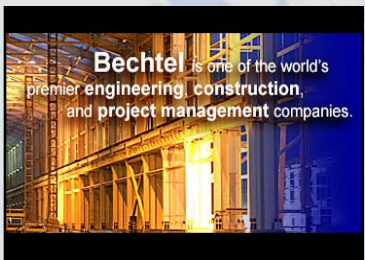
Garry Grafton, Baker CAD director - National Society of Professional Engineers, May 2007

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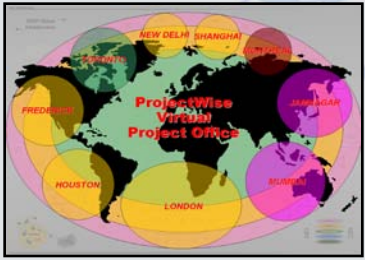
PROJECTWISE V8 +

ProjectWise ROI for Bechtel occurs 4x faster than other ECM systems by connecting people and information across distributed teams.




Bechtel Corporation is one of the world's premier **engineering, construction, and project management** companies.

With 40,000 employees worldwide and 2006 revenues of \$20.5 billion



Bechtel is using ProjectWise to collaborate successfully on Reliance Industries Limited Jamnagar Export Refinery Project in India. Connecting 2000+ engineers from 10 offices in 5 countries.

 SMART
The Intelligent Choice.

Document Management	\$
Web Content Management	N/A
Records Management	\$
Document Capture and Imaging	?
Document-centric Collaboration	\$
Workflow	\$

“Bechtel’s ROI on ProjectWise is approximately 19x after 18 months. The time to ROI was 4x faster than industry benchmark of 12 months”

Chuck Faunce, ASA, CDBV. SMART Business Advisory and Consulting, LLC, May 2007

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ProjectWise StartPoint

Entry-Level Collaboration Based On Microsoft Office SharePoint

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PROJECTWISE V8 | STARTPOINT

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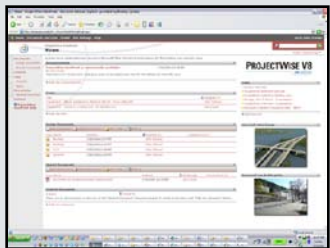
ProjectWise StartPoint is an entry-level collaboration tool used to manage, find & share MicroStation & AutoCAD files in SharePoint



ProjectWise is used by 42 of the 50 leaders in the ENR500. The ProjectWise system now includes desktop applications, full-featured clients, and servers for connecting people & information.



ProjectWise StartPoint provides entry-level collaboration to smaller organizations using MicroStation and AutoCAD on smaller projects. It is ideal for teams residing in the same office most of the time.



Key benefits include: simple Web interface with check-in/check-out and version control, direct access from MicroStation & AutoCAD, reference file management, CAD standards support and PDF publishing

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PROJECTWISE V8 | STARTPOINT

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WHAT IS IT?

ProjectWise StartPoint is an entry-level collaboration tool, based on Microsoft Office SharePoint technologies.

Core capabilities allow users to manage, find, and share CAD content, project data and Office documents. ProjectWise StartPoint is ideal for small teams working on small projects. It provides a low-cost entry-level solution for teams residing in the same office most of the time.

For CAD file sharing, ProjectWise StartPoint makes SharePoint technologies aware of relationships critical in CAD files. Project calendars enable teams to manage project schedules and keep track of deadlines, and threaded discussions act as a meeting space for everyone to gather and share critical project information.

ProjectWise is used by the global design elite. Nine of the Top Ten Design firms in the ENR 500, and seven of the top ten design firms in the ENR Global 150, use ProjectWise to successfully deliver AEC and infrastructure projects.

Not all organizations are as large, or as distributed, as the ENR 500 or the ENR Global 150. Hence, with the introduction of ProjectWise StartPoint, ProjectWise is now for everyone.

HOW CAN I BUY IT?

You don't buy ProjectWise StartPoint, you **buy a ProjectWise Passport*** which licenses the use of many ProjectWise client and desktop applications including ProjectWise StartPoint.

A ProjectWise Passport can be procured in one of four ways:

1. Perpetual License Purchase
2. Monthly License Subscription
3. SELECT Subscription (no charge benefit of SELECT for MicroStation)
4. ELS / MLS Subscription

* SELECT subscription required for multi-product use.

HOW DO I KNOW IF IT IS FOR ME?

Five Simple Topics to Consider:

1. Are you looking for a better way to manage, find, and share?

ProjectWise StartPoint allow users to manage, find, and share CAD and geospatial content, project data and Office documents using Microsoft Office SharePoint.

2. Have you heard much about SharePoint? Just how BIG is it?

Microsoft Office SharePoint has "Google-like" growth in the collaboration space. In less than 4 years more than 80 million users have embraced and adopted Microsoft Office SharePoint!

3. Is it a challenge for you to manage Reference Files and X-Refs?

ProjectWise StartPoint makes SharePoint technologies aware of relationships in CAD files for managing References and X-Refs.

4. Do you always and easily find the files you need when searching?

A US government report suggests that an engineer spends 40% of his working day searching for, and validating files. ProjectWise StartPoint has a powerful built-in search engine to help you find your file fast.

5. How do you validate the files you find?

ProjectWise StartPoint uses the version controls included in SharePoint to manage and track design iterations and comments. Now when you search for a file name you will have clear access to all versions with certainty – the current version is always the first found.

PROJECTWISE V8 | STARTPOINT

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FREQUENTLY ASKED QUESTIONS

What is special about ProjectWise StartPoint?

ProjectWise StartPoint connects CAD applications like MicroStation, AutoCAD, and PowerDraft to SharePoint for managing Reference and X-Ref files.

Why is this special? Can't SharePoint manage DGN and DWG files?

Yes of course SharePoint can managed DGN and DWG files, but alone SharePoint has no ability to look inside those files to manage References. ProjectWise StartPoint effectively teaches SharePoint about References.

What is the difference between "StartPoint" and "ProjectWise"?

ProjectWise StartPoint is part of the ProjectWise scalable collaboration system that is used for connecting people and information. ProjectWise StartPoint is specifically for entry-level collaboration and is ideal for small teams.

Why do you claim ProjectWise StartPoint is "ideal for small teams"?

SharePoint always performs better on a LAN than it does on a WAN. Hence a team working in the same location most of the time can benefit quickly from ProjectWise StartPoint to improve their ability to manage, find and share.

Will ProjectWise StartPoint be easy to use and easy to administer?

ProjectWise StartPoint requires no server software beyond SharePoint, so deployment is quick and easy.

What access controls are available in SharePoint/ProjectWise StartPoint?

ProjectWise StartPoint leverages SharePoint's built-in ability to check-in/check-out files for locking during editing to protect content during collaboration.

How can I manage design versions without file sprawl?

ProjectWise StartPoint leverages SharePoint's built-in ability to manage file versions. Hence each design change can be recorded and stored as a separate file version in SharePoint making it easier to plot the course of design development during collaboration.

What other cool features make ProjectWise StartPoint interesting to me?

MicroStation and PowerDraft users can print and save CAD files to PDF and store them directly inside the SharePoint environment for collaboration and mark-up. Introducing hyperlinks to CAD content and other Office documents will create intelligent, text-searchable PDF work packages with bookmarks.

Can I extend ProjectWise StartPoint as my organization grows?

Of course! ProjectWise is a scalable collaboration system. Growth is available using the ProjectWise Integration Server with ProjectWise Caching Servers.

When to buy? ProjectWise Integration Server vs. ProjectWise StartPoint?

It is quite a simple choice really, ask yourself these questions:

1. Is your enterprise distributed?
2. Do you have people sharing work in different locations most of the time?

If yes – then you would benefit from a ProjectWise Integration Server solution with local ProjectWise Caching Servers for fast file delivery.

If you answer "no, we have one office" then ProjectWise StartPoint will be fine.

SYSTEM REQUIREMENTS

All ProjectWise products and technologies are designed and optimized to run on Windows Server and Vista or XP Operating Systems.

Supported CAD Applications include: AutoCAD 2002-2007, ProjectWise Navigator, MicroStation V8 XM Edition, and PowerDraft V8 XM Edition.

Product Specific Technical Requirements: www.bentley.com/ProjectWise

ADDITIONAL INFORMATION

Look on the Internet: www.bentley.com/ProjectWise

Contacts:

Joe.Croser@Bentley.com (Global Marketing Owner)

John.Schown@Bentley.com (Product Owner)

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ProjectWise Navigator

Visual Collaboration for Immersive Project Review & Analysis

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PROJECTWISE V8 | NAVIGATOR

XM edition

ProjectWise Navigator delivers visual collaboration for immersive project review & analysis and fully supports iterative workflows and content reuse



ProjectWise Navigator: designed on the powerful V8 XM platform and includes many *Innovations by MicroStation* to provide support for a broad range of applications, industry standards and file formats.



ProjectWise Navigator: built to satisfy key business requirements for visual collaboration: enabling users to assemble, review and enrich project content, analyze designs and produce intelligent deliverables.



ProjectWise Navigator: delivered to work on your Windows desktop, in a collaboration environment with ProjectWise StartPoint or in a managed environment with the ProjectWise Integration Server.

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PROJECTWISE V8 | NAVIGATOR

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WHAT IS IT?

ProjectWise Navigator is the first visual collaboration client for design review and analysis plus work packaging that fully supports iterative workflows and reuse of all design and review content throughout the process.

ProjectWise Navigator enables all members of distributed project teams to assemble, review and enrich project content, to analyze designs and produce intelligent deliverables.

Designed on the powerful V8 XM platform, ProjectWise Navigator includes many "Innovations by MicroStation" and provides support for a broad range of applications, industry standards and file formats.

ProjectWise Navigator works in a local desktop environment with Windows, in a collaboration environment with ProjectWise StartPoint or in a managed environment with the ProjectWise Integration Server for an integrated, connected, secure, and versatile visual collaboration system for reviewing design iteratively across distributed enterprises. Additional capabilities include:

1. Check-in/check-out transactions for secure work share
2. Audit trail creation for insight into who did what and when
3. Full text and component indexing for cross-enterprise searching
4. Local Caching Servers for rapid LAN-like content access
5. Automated and scheduled processing for printing and publishing

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HOW DO I KNOW IF IT IS FOR ME?

Five Simple Topics to Consider

1. Do you routinely collaborate on, review, and analyze designs?

ProjectWise Navigator is the first visual collaboration client for design review and analysis plus work packaging that fully supports iterative workflows and reuse of all design and review content.

2. Can you assemble 2D/3D design content from different sources?

Using ProjectWise Navigator users can assemble designs from any location. Formats supported include DGN, DWG, PDF, PDS, PDMS, AutoPLANT, TriForma and more...

3. When you add comments to 2D/3D content are they reusable?

ProjectWise Navigator enables teams to enrich design and project content by adding comments and additional information to the native file format for full design collaboration and reuse.

4. Can you reduce costs by making better informed decisions?

ProjectWise Navigator helps teams to examine project design and constructability in a virtual environment; detecting clashes, simulating schedules, and lighting conditions for improved design quality.

5. How do you create work packages from multiple sources?

ProjectWise Navigator provides a single production environment for deliverables, incl. photorealistic rendering and animation, drawings & specifications, and intelligent, portable, and linked work packages.

* SELECT subscription required for multi-product use.

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PROJECTWISE V8 | NAVIGATOR

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FREQUENTLY ASKED QUESTIONS

Which products does ProjectWise Navigator replace?

ProjectWise Navigator replaces Bentley Explorer, Bentley Explorer Photo Realism and Bentley Explorer NWD. Additionally users of Bentley Explorer Interference Detection will be upgraded to ProjectWise Interference Manager. Users of Bentley Navigator will also have the opportunity to upgrade to ProjectWise Navigator. Some features will not be available in the initial release.

Is ProjectWise Navigator better than Bentley Explorer/Bentley Navigator?

ProjectWise Navigator provides a much fuller feature set than Bentley Explorer or Bentley Navigator and their associated Add-ins. View the Web site listed below for a detailed feature list.

Do I need to have a ProjectWise Server to use ProjectWise Navigator?

No, ProjectWise Navigator is a desktop application that can work completely independently from any server. Of course its capabilities are enhanced in the presence of ProjectWise StartPoint or the ProjectWise Integration Server.

How does ProjectWise Navigator process large, complex model files?

The ProjectWise Collaboration system is optimized for connecting people and information. It excels when the information volume is high and distributed.

1. ProjectWise Navigator contains many *Innovations by MicroStation* including DirectX Graphics for real-time processing.
2. It has in-built support for dual core systems to leverage multi-processors.
3. ProjectWise Caching Servers make sure that distributed models are federated in a managed environment for fast access.

What capabilities does ProjectWise Navigator have for reviewing design?

ProjectWise Navigator includes a new set of navigation tools developed specifically for easy movement through a model. They include Walk, Fly, and Rotate with options for maintaining eye height, avoiding collisions, and changing view perspective. These tools have been designed for ease of use, performance & accessibility to native file formats.

Why are native file formats easier to work with than rendition formats?

Native file formats support iterative design and review workflows, reducing errors and omissions, and removing the need for time-consuming and costly translations.

What are the limitations of a rendition file format?

Typically you need the original design applications to create the necessary rendition. Analysis is very limited. No content is reusable for iterative design.

Can I use ProjectWise Navigator to perform Schedule Simulation?

Yes, Schedule Simulation is one of the key benefits of ProjectWise Navigator enabling teams to analyze designs for constructability.

What about Clash Detection then? Can I do that too?

Yes, again this is a key feedstock of visual collaboration – the ability to analyze design components from different disciplines and to test how they fit.

How do I license the Clash Detection and Schedule Simulation Services?

Both are licensed with a single Right to Run (RTR) Server license per site.

SYSTEM REQUIREMENTS

ProjectWise Navigator is designed and optimized to run on Windows Vista and Windows XP Operating Systems.

Processor: Intel Pentium or AMD Athlon. **Memory:** 256MB min, 512MB recommended. **Hard Disk:** 900MB free disk space. **Graphics:** Microsoft DirectX 9.0

Detailed Technical Requirements: www.bentley.com/ProjectWise

ADDITIONAL INFORMATION

Look on the Internet: www.bentley.com/ProjectWise

Contacts:

Joe.Croser@Bentley.com (Global Marketing Owner)



ProjectWise Integration Server

Project Collaboration across the Distributed Enterprise

CONNECTED BY PROJECTWISE

PROJECTWISE V8 | INTEGRATION SERVER

XM edition

ProjectWise Integration Server delivers project collaboration and enterprise-level engineering content management to distributed teams.



Most projects can be described as “Distributed Enterprises” i.e. not all contributing parties are co-located, they are distributed which poses significant challenges for content management and collaboration.



ProjectWise Integration Server will connect people and information across these distributed teams. Adoption removes the barriers that obstruct collaboration, & enables Geo-Coordination of global assets.



42 of the 50 leaders in the ENR 500 use ProjectWise Integration Server to Increase Quality, Reduce Cost, & Improve Service. Others deploy to Manage, Find, Share, and Visualize CAD + Geospatial content.

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XM edition

WHAT IS IT?

ProjectWise Integration Server delivers project collaboration and enterprise-level engineering content management to distributed teams.

Most projects can be described as "Distributed Enterprises" i.e. not all contributing parties are co-located, they are distributed which poses significant challenges for content management and collaboration.

ProjectWise Integration Server will connect people and information across these distributed teams. Adoption and deployment removes the barriers that obstruct collaboration, & enables the Geo-Coordination of global assets.

ProjectWise is used by the global design elite. Nine of the Top Ten Design firms in the ENR 500, and seven of the top ten design firms in the ENR Global 150, use ProjectWise to successfully deliver AEC and infrastructure projects.

These organizations praise ProjectWise Integration Server for enabling them to Increase Quality, Reduce Cost, and Improve Service.

All users can deploy ProjectWise Integration Server to help them Manage, Find, and Share distributed CAD and Geospatial content & Office documents.

HOW CAN I BUY IT?

ProjectWise Integration Server requires a right to run (RTR) license for the server and each user connecting to the server requires a **ProjectWise Passport*** which also licenses the use of many ProjectWise client and desktop applications including ProjectWise Explorer and ProjectWise Navigator.

A ProjectWise Passport can be procured in one of four ways:

1. Perpetual License Purchase
2. Monthly License Subscription
3. SELECT Subscription (no charge benefit of SELECT for MicroStation)
4. ELS / MLS Subscription

* SELECT subscription required for multi-product use.

HOW DO I KNOW IF IT IS FOR ME?

Five Simple Question Topics to Consider:

Connecting the Enterprise

- Is your team dispersed across multiple locations?
- Do you know where all project information is stored and can you reach it?
- Are your systems connected by the right technology for collaboration?

Managing Access

- Is team performance a prerequisite for productivity?
- Do you have insight into who is using what, when, and from where?
- Is all of your engineering content accessible by the right people?

Improving Quality

- Are project standards important to project quality?
- Are your processes helping you to improve the quality of your content?
- How do you safeguard the evidential value of your information for court?

Protecting your Content

- Is your system infrastructure reliable and dependable?
- How does the "flow of work" across your project affect your "workflow"?
- Have you implemented appropriate security controls to protect content?

Managing Change

- How do you manage change across the project?
- Do you have full insight into who did what, why they did it, and when?
- What processes have you adopted to aid Change Management?

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FREQUENTLY ASKED QUESTIONS

Is ProjectWise Integration Server really used by many organizations?

Yes it is! ProjectWise is used by the global design elite. Nine of the Top Ten Design firms in the ENR 500, and seven of the top ten design firms in the ENR Global 150, to successfully deliver AEC and infrastructure projects.

Wow! Why ProjectWise? How is it different from other EDMS systems?

ProjectWise Integration Server is specifically designed to federate AEC content no matter where it is stored. i.e. distributed project content is made available through a single managed environment, as though it was stored in one place.

Does it do anything else to differentiate it from other systems?

Of course. ProjectWise Integration Server is the central component of the whole ProjectWise Collaboration System. In short it can help teams to:

- Manage CAD reference files
- Find CAD files and CAD content with powerful and fast searches
- Share AEC and Geospatial information for accelerating change

How Will ProjectWise Integration Server help me Improve project quality?

Project Templates, Pan-project searching, and Project CAD Standards are all cornerstones of the ProjectWise Integration Server configuration which is used for successfully delivering a portfolio of projects.

Do you have any customer references I can review?

We have loads of "User Stories" and they are all accessible on the website at www.bentley.com/ProjectWise. Some examples, stated benefits, and quotations are included below.

HDR Connects people and information across its distributed enterprise
"To date, ProjectWise, which serves roughly 3500 HDR staff in more than 80 locations, has reduced rework problems by 50 percent..."

eProposal saves \$2 million per year - Michigan DOT uses ProjectWise
"...ProjectWise has allowed Michigan DOT (MDOT) to develop an electronic workflow... cost savings are estimated at \$2 million per year."

Utah DOT saves \$100,000 in printing costs; contactors save even more!
"UDOT implemented ProjectWise technologies to manage MicroStation DGN files and civil design information ...saved \$100,000 per year in printing costs."

Wood Group saves 3000 man hours using ProjectWise
"ProjectWise was introduced into Wood Group Engineering to provide an electronic data management system for CAD and Office file management."

Global EPC ensures teams are always working with current versions
"Foster Wheeler implemented ProjectWise to capture engineering content at its source, improve distribution & access, and manage the process of change."

SYSTEM REQUIREMENTS

All ProjectWise products and technologies are designed and optimized to run on Windows Server and Windows Vista or XP Operating Systems.

Supported Desktop Applications include: AutoCAD, ProjectWise Navigator, MicroStation, and PowerDraft.

Product Specific Technical Requirements: www.bentley.com/ProjectWise

ADDITIONAL INFORMATION

Look on the Internet: www.bentley.com/ProjectWise
Look on the Internal Marketing Portal: <http://marketing-team/platform/>

Contacts:

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John.Schown@Bentley.com (Product Owner)

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Additional ProjectWise Servers

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PROJECTWISE V8 | CACHING SERVER

XM edition

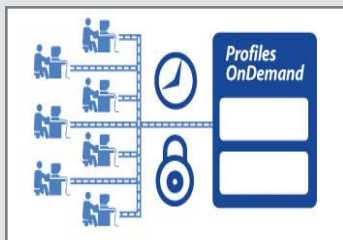
ProjectWise Caching Servers increase productivity by delivering engineering information to distributed teams at LAN-like access speeds.



Traditional approaches to sharing content typically involve unmanaged duplication and distribution, leading to errors, uncertainty, and cost increases. Other approaches involve slow data access to central stores



Caching Servers deliver local data storage, provide fast data access speeds, and can be managed by the ProjectWise Integration Server to provide a single federated view of all data wherever it is stored.



Data can be cached on demand, or by schedule to pre or re-populate a local Caching Server. The benefit: known data location, controlled fast access, improved quality, reduced cost, increased productivity.

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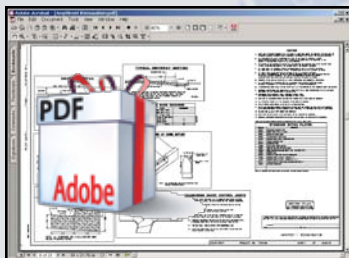
PROJECTWISE V8 | INTERPLOT SERVER

XM edition

ProjectWise InterPlot provides publishing solutions for creating accurate & intelligent project deliverables.



When collaborating and sharing content all work is “in progress” and subject to change. To capture or review a point in time drawings are renditioned, versioned, compared, commented upon and archived.



ProjectWise InterPlot Server automates manual, repetitive, processes to produce paper and intelligent PDF renditions from drawings and Office docs. using common settings, and batch or scheduled process.



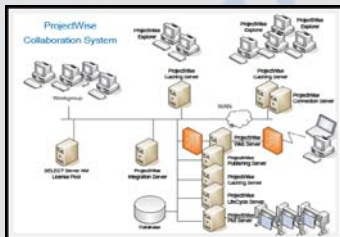
Key benefits include: space-saving digital storage, design compare, scaled plotting and measuring from a Web browser, document bookmarks, redlining tools, support for leading wide-format printers.

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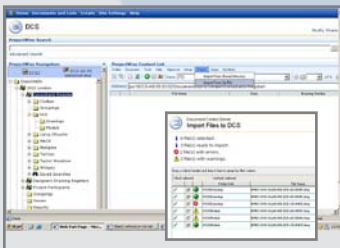
PROJECTWISE V8 | WEB SERVER

XM edition

ProjectWise Web Server enables efficient collaboration by exposing ProjectWise managed information using Microsoft SharePoint Web parts



Every distributed project has a team of participants with varied skills. However, one thing always remains true; no matter how, when or where they are, they will each need access to data for collaboration.



Web Servers connect far-flung teams to ProjectWise managed content using a SharePoint Web Part interface. The result: limited but efficient work sharing functionality for users with low or restricted bandwidth.



Web access is intended for casual users not requiring full functionality. The benefit: All ProjectWise managed content is made available to all project participants, access is controlled, and the audit trail is retained.

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ProjectWise Passport Licensing

A Versatile, Portable, and Global License for Collaboration

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PROJECTWISE V8 | PASSPORT

XM edition

ProjectWise Passports are a versatile, portable, and global license for collaboration for users of all ProjectWise client and desktop applications.



One ProjectWise Passport will license one passport holder to use any ProjectWise client, desktop, or web application. It will also license the connection between these tools and any licensed ProjectWise Server.



ProjectWise Passports can not be pooled or shared: every PW user must each have a Passport, procured as a perpetual license, as a benefit of SELECT*, as a monthly subscription, or by ELS or MLS.



ProjectWise Passports are portable, reducing the cost of collaboration across multiple projects when compared to a per-project price model. With a ProjectWise Passport every user only pays once.

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PROJECTWISE V8 | PASSPORT

XM edition

WHAT IS IT?

ProjectWise Passports provide individuals with a versatile, portable, and global license for collaboration.

One ProjectWise Passport* will license one passport holder to use any ProjectWise client or desktop application. It will also license the connection between these tools and any licensed ProjectWise Server.

ProjectWise Passports can not be pooled or shared: every ProjectWise user must each have a Passport, procured as a perpetual license, as a benefit of SELECT*, as a monthly subscription, or funded with an ELS or MLS.

ProjectWise Passports* are portable, reducing the cost of collaboration across multiple projects when compared to a per-project price model.

With a ProjectWise Passport* every user only pays once.

WHAT DOES IT WORK WITH?

A ProjectWise Passport* will license its holder to use a wide range of ProjectWise client and desktop applications and licenses all connections to ProjectWise Servers including:

ProjectWise Clients or Desktop Applications

- ProjectWise StartPoint
- ProjectWise InterPlot Organizer
- ProjectWise Navigator
- ProjectWise Explorer

ProjectWise Collaboration Servers (licensing a connection to)

- ProjectWise Integration Server
- ProjectWise LifeCycle Server
- ProjectWise InterPlot Server
- ProjectWise Publishing Server
- ProjectWise Web Server
- ProjectWise Caching Server

* SELECT subscription required for multi-product use.

HOW DO I KNOW IF IT IS FOR ME?

Four Simple Topics to Consider

1. Do you routinely collaborate with other professionals?

ProjectWise is a scalable collaboration system which includes desktop applications for visual collaboration and servers for connecting people and information across the distributed enterprise.

ProjectWise Passports* provide individuals with a versatile, portable, and global license for using all ProjectWise clients, and servers.

2. When collaborating do you review and analyze designs?

ProjectWise Navigator is the first visual collaboration client for design review and analysis plus work packaging that fully supports iterative workflows and reuse of all content throughout the process.

ProjectWise Navigator is licensed with a ProjectWise Passport.

3. Does Microsoft SharePoint play a part in your data strategy?

ProjectWise StartPoint extends Microsoft SharePoint to enable collaboration for MicroStation & AutoCAD® users.

ProjectWise StartPoint is licensed using a ProjectWise Passport.

4. Do you wish you could buy just one license for collaboration?

With a ProjectWise Passport* every user only pays once. In contrast to the solutions that may appear to be cheaper a ProjectWise Passport is an investment that provides a greater return on investment with every additional client or desktop application used.

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PROJECTWISE V8 | PASSPORT

XM edition

FREQUENTLY ASKED QUESTIONS

Who will need a ProjectWise Passport?

Every ProjectWise user will need a ProjectWise Passport to license the use of any ProjectWise technology.

Do I need a ProjectWise Passport for every ProjectWise product? No. A ProjectWise Passport* is a global license for collaboration. One ProjectWise Passport will license use of all ProjectWise client or desktop applications.

Can ProjectWise Passports be pooled or shared using SELECT Server?

No. ProjectWise Passports cannot be pooled or shared. Every ProjectWise user must each have their own Passport to collaborate using ProjectWise.

What if I have 1,000 people in my organization but I only ever have 200 people connecting to the ProjectWise server at one time?

You will need to procure 1,000 ProjectWise Passports. You may however be better served with an Enterprise License Agreement (ELS) or a Municipal License Agreement (MLS) if your usage patterns vary based on demand.

How is ProjectWise Passport usage counted on SELECT Server XM?

Unique user names are counted within the SELECT agreement term. The total number of unique uses is the number of ProjectWise Passports required.

Can I transfer ProjectWise Passports to accommodate staff turnover?

Yes, of course. When one user leaves and another joins, the new user can start using the existing Passport. There is no need to inform Bentley, but you may be asked to explain your usage logs if they exceed your Passport count.

Can I use the ProjectWise Passport to connect to my ProjectWise Server?

Yes. The same ProjectWise Passport* will license the connection between your ProjectWise client and any ProjectWise Servers licensed with an (RTR) license.

Can I use a Passport to connect to someone else's ProjectWise Server?

Yes. The same ProjectWise Passport* will license the connection between your ProjectWise client or desktop applications and any licensed ProjectWise Servers – regardless of who they belong to. Of course, the owner will need to grant access permissions to connect.

Why does this model seem expensive when compared to other solutions?

The ProjectWise Passport model is in fact very cheap in comparison to many solutions that are priced per-project. A ProjectWise Passport* licenses the use of many different ProjectWise client or desktop applications, and their connection to any ProjectWise Server, the value and ROI is huge.

Is the ProjectWise Passport just a name change from PWNU?

Yes it is a name change but it is not just a name change, it is also a policy change to make the ProjectWise Passport much more portable.

So how is a ProjectWise Passport more portable than a PWNU?

A PWNU only licensed a connection between a ProjectWise Clients and ProjectWise Servers owned by the same organization. Whereas a ProjectWise Passport provides individuals with a versatile, portable, and global license for collaboration using any licensed ProjectWise Servers.

SYSTEM REQUIREMENTS

All ProjectWise products and technologies are designed and optimized to run on Windows Server and on Vista and XP Operating Systems.

Product Specific Technical Requirements: www.bentley.com/ProjectWise

* SELECT subscription required for multi-product use.

ADDITIONAL INFORMATION

Look on the Internet: www.bentley.com/ProjectWise

Contacts:

Joe.Croser@Bentley.com (Global Marketing Owner)



ProjectWise Collaboration System

Software for Connecting People and Information across Distributed Teams

Joe Croser

Global Marketing Director, Platform & SELECT

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