



Project Summary

Organization:
Stantec

Solution:
Project Delivery

Location:
Global

Project Objective:

- To standardize the project management system
- To easily collaborate across a global organization

Products Used:

ProjectWise®

Fast Facts

- Stantec is a large, global, multidisciplinary AEC firm.
- In the past two decades, Stantec has experienced a rapid growth, primarily through acquisitions.
- The organization has a geographically dispersed workforce, with approximately 22,000 employees in over 400 offices, located in over 40 countries on six continents.

ROI

- By having Bentley manage the ProjectWise system in the cloud, on-premises IT overhead costs were minimized.
- ProjectWise cloud hosting helped Stantec receive unlimited data storage and current IT best practices.
- ProjectWise CONNECT Edition cloud services, such as Share, reduce the need for and expense of other third-party solutions.

Stantec Standardizes its World-wide Project Collaboration Amidst Rapid Growth

ProjectWise CONNECT Edition Enables Seamless Access for Over 400 Offices on 6 continents

Keeping Up with Rapid Growth

Stantec is a global, multidisciplinary engineering, architecture, and construction (AEC) firm that has experienced rapid growth, primarily through acquisitions, over the past two decades. The organization has a geographically dispersed workforce, with approximately 22,000 employees in over 400 offices, located in over 40 countries on six continents. The new acquisitions include teams with new CAD and engineering software applications and electronic document management systems that needed to be standardized within Stantec's data platform strategy.

Managing Project Assets Across the Globe

One of the main challenges for Stantec is its growing size. With its 400 offices across six continents, as well as its rapid growth, Stantec's data is stored in many different places, including local file servers with various email, collaboration, and cloud storage providers.

Stantec chose Bentley's ProjectWise CONNECT Edition as a core component of its overall data platforms strategy. "ProjectWise allows for better organization and collaboration among geographically dispersed project teams, allowing participants to access all information no matter their location," explained Kirk Peterson, senior application technologist, Stantec. "This capability allows Stantec to put their best people on a project, regardless of their location," Peterson said. The system also helps Stantec automate tasks, enforce standards, and reuse intellectual property to streamline workflows.

As part of the data integration for all acquisitions, the organization implemented a standard folder and file organization and naming structure based on Stantec's managing electronic documents and directories (MEDAD), a project management framework. This restructuring of existing acquisition data makes sure that all data meets the same level of various regulatory compliance requirements.

Streamlining Workflows with Better Collaboration

By using ProjectWise, Stantec can provide an integrated global workflow, allowing dispersed teams to work together using different CAD software applications. "ProjectWise enables our teams to work with both Bentley and non-Bentley design files and applications, allowing them to execute projects with whatever design applications our clients want to use," said Peterson. "It also helps our teams to track and repurpose the intellectual property of its designs for future projects."

Providing True, Multi-office Collaboration

Stantec chose Bentley's ProjectWise because it was the best option in a blended CAD environment, providing true, multi-office collaboration. It allows for easier sharing of best-of designs. Finally, the application will help provide potential benefits of advanced Revit integration, becoming an effective means of forcing discussions of standards.

The organization is using ProjectWise to track meeting notes and daily logs, eventually wanting them online and available in ProjectWise. This practice will make it easier to find and share with clients. Moving forward, Stantec will continue to use ProjectWise as its main collaboration platform.

Improving Deliverables Review and Organization

ProjectWise CONNECT Edition cloud services, such as Deliverables Management and Share, reduced Stantec's need for and expense of other third-party solutions. Stantec is using Deliverables Management for many tasks, including internal deliverables review between subconsultants and the organization, receiving RFIs from subconsultants instead of the harder-to-track emails, and sending submittals to clients.

Stantec uses ProjectWise Deliverables Management for larger projects, which have about 100 to 200 documents or more.

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*— Scott Clardy,
Senior Application Technologist,
Stantec*

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The application helps manage not just design drawings, but also the accompanying data, such as images, spreadsheets, and specifications. About 75% of Stantec’s projects use ProjectWise to manage all the documents and plans. The organization plans to expand the use of ProjectWise Deliverables Management to all projects soon.

Easily Sharing Project Information

Another capability that Stantec is taking advantage of is the ability to share easily with all project participants and stakeholders. With sharing the ProjectWise folder, subconsultants will do the survey work and then upload the data to ProjectWise Share, which automatically syncs into the ProjectWise that the project team uses. It is easy for Stantec to share data with their clients without requiring them to install ProjectWise, as everything is located on a webpage. Team members can upload data into the ProjectWise folder and it will automatically syncs across all platforms.

Reducing IT Costs with ProjectWise Cloud Hosting

Another ProjectWise capability that Stantec uses is cloud-hosting. The organization has a corporate initiative to move all cloud-capable systems to cloud-hosting. By having Bentley manage the ProjectWise system in the cloud, on-premises IT overhead costs were minimized. Cloud hosting allowed Stantec to provide unlimited data storage to project teams and is assured that its system is administered with current IT best practices. “Currently, Stantec has many cloud-hosted projects and we are updating our processes to deploy all new projects in the cloud,” explained Peterson.

Leveraging an Advanced Data Platform

With ProjectWise CONNECT Edition, Stantec enabled seamless access across its many offices around the world. By utilizing ProjectWise CONNECT Edition, Stantec can better assign staff to projects. The flexibility with CAD software programs contributes to the overall value of leveraging an advanced data platform. The robust, multiplatform design collaboration helps the firm’s world-wide teams and clients work together more efficiently.



Stantec used ProjectWise CONNECT Edition to standardize data management processes, including large-scale mining projects.