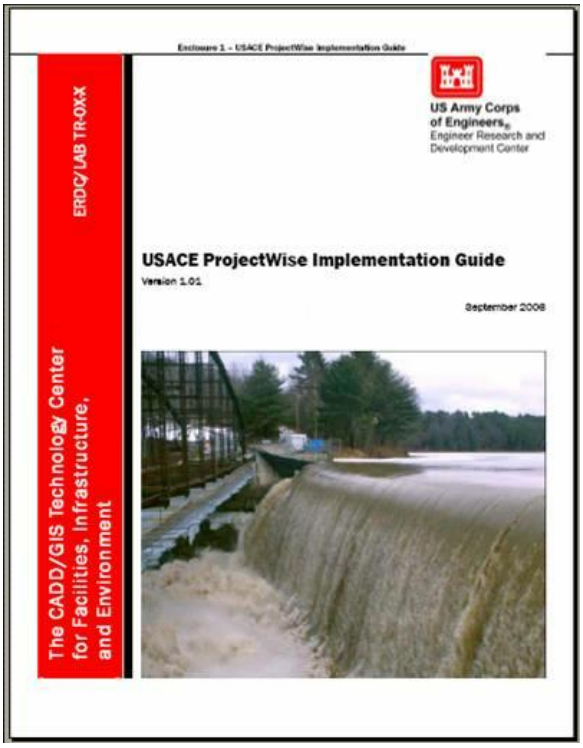
US Army Corps of Engineers®
Engineer Research and Development Center

Product

ProjectWise Collaboration Model

Technology

One of the primary objectives for USACE 2012 is to effectively and efficiently collaborate and share resources and work between organizations in support of mission goals. To meet this objective, the USACE National Management Board (NMB) has approved deployment of a virtual design environment based on a commercial off-the-shelf software application.



The ProjectWise Collaboration Model (PCM) is a USACE implementation of the Bentley Systems, Inc. ProjectWise content management system. The PCM standardizes the management and sharing of engineering content and documents within USACE.

Problem

The PCM provides USACE with a technical solution enabling work sharing in support of virtual teaming with minimal impacts on high-level work products (i.e., maintaining quality and technical capabilities in the process). ProjectWise supports a managed environment for architecture, engineering, and construction (AEC) data; provides for AEC information to be shared, synchronized, and secured; allows for project teams to work on separate project tasks in parallel; scales to allow teams of different sizes and configurations; and provides security, managed file access, and secure workflows.

Expected Cost To Implement

The PCM has been developed as a comprehensive plan for deployment of ProjectWise. Using the PCM, a Project Management Plan (PMP) can be developed to assist users with determining personnel, hardware, and software resource requirements. After completing the PMP, a preliminary assessment of costs will be determined.

Benefits/Savings

The purpose of the development of the PCM is to provide delivery teams across the Corps with the tools necessary to facilitate virtual teaming. This utilization of tools is accomplished across a distributed network of resources needed to support and respond to national disasters like Hurricane Katrina. This standard also allows the Corps to support its most valuable assets—employees—by providing them with a standardized engineering environment regardless of their location, thus allowing the staff to focus on real issues while serving our customers. The ProjectWise platform has been successfully piloted, tested, and deployed with multi-site connections including the U.S. Army Engineer Division, North Atlantic, Pilot Test; U.S. Army Engineer Division, Mississippi Valley; Interagency Performance Evaluation Task Force; and the U.S. Army Engineer Districts of Huntington, Pittsburgh, and New Orleans.

Status

The PCM is currently available and in use. This Corps ProjectWise standard model is intended to be neither static nor all-inclusive and thus will be updated and enhanced as appropriate. Suggestions for improvements are strongly encouraged so that subsequent updates will reflect the input and needs of ProjectWise users.

ERDC POC(s)

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Distribution Sources

The ProjectWise software is available under the Corps' Enterprise License Agreement (ELA) with Bentley Systems, Inc. Details on the products and services available to USACE sites under the ELA are available at https://cadbim.usace.army.mil/bentleyela.

Available Documentation

PCM documentation is available from the Technical Excellence Network, https://ten.usace.army.mil/TechExNet.aspx?p=s&a=Initiatives;2

Available Training

ProjectWise training is available under the ELA with Bentley Systems, Inc. Details are available at https://cadbim.usace.army.mil/bentleyela.

Available Support

Implementation support to facilitate the transition to ProjectWise is available under the ELA at https://cadbim.usace.army.mil/bentleyela.