

# XStream Software Provides SharePoint Expertise

*When Nav Canada required expertise in SharePoint technologies, it tapped the knowledge resources of XStream Software, a software company with extensive experience building SharePoint solutions.*

Nav Canada is a manager of civil air navigation throughout Canada. It employs 2,000 air traffic controllers, 800 flight service specialists, and 700 technologists, comprising a large workforce responsible for the safety and orderly flow of air traffic in Canadian airspace.

## Problem

Nav Canada is a large enterprise, consisting of many different departments and functions. Within the organization, Nav Canada has implemented a business process for deciding which new projects proposed within the firm will make it through for varying levels of approval.

With 5,300+ employees, Nav Canada has found its current business process for producing new project proposals to be inefficient. Relying on a paper trail with no strict enforcement of rules as a presented project works its way up the hierarchy, the firm found its business process for managing new projects to be in disarray. Information relating to newly proposed projects was often left incomplete due to the lack of automated oversight. Certain personnel were never notified of a new project proposal even though they were part of the workflow approval process. Responsibility for information was in the hands of a group, preventing real-time access to everything related to the project proposal.

Given the shortcomings with manually managing their business process relating to new internal project submissions, Nav Canada decided to take a serious look at a software-based solution, consisting of building custom workflows on top of Microsoft SharePoint.

## Solution

Nav Canada hired a SharePoint consultant from XStream Software to implement the proposed Microsoft SharePoint-based software solution.

XStream Software's SharePoint consultant gathered together all stakeholders involved in transforming Nav Canada's business process for submission of project proposals. After several rounds of discussion, XStream Software was able to gain a thorough understanding of the problem domain, and carry subsequent meetings in formalizing a proposed Microsoft SharePoint-based software solution for Nav Canada.

In order to replicate Nav Canada's business process in software form, XStream Software's SharePoint consultant turned to Windows Workflow Foundation, a platform that allows SharePoint consultants to design, program, and deliver custom workflow solutions to the enterprise.

With Windows Workflow Foundation, Nav Canada's entire business process for managing new project proposals has been automated. Employees and senior management personnel not only are able to approve and reject projects, but they are also notified of changes to the project proposal immediately throughout the various stages of the proposal lifecycle.

In addition, XStream Software's SharePoint consultant implemented a custom ASP.NET web application, residing on top of Nav Canada's existing SharePoint intranet portal (built using Microsoft SharePoint Server 2007). This application allows for user interaction of custom fields and data associated with project proposals.

## Value

By bringing in XStream Software's SharePoint consultant to analyze and implement a solution to the problems that Nav Canada experienced when trying to automate their business processes, XStream Software was able to deliver value to its client.

The benefits that Nav Canada was able to capture through automated workflows and the development and deployment of a custom web application were fully realized with XStream Software's understanding of the Microsoft SharePoint platform.

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