

# Portal Based Application for a leading US based Aviation company.



## Solution Overview

*The client's key requirement was to build a portal based application which would enable seamless content and information access to employees across the various departments in the organization.*

*They decided to partner with Sonata, in view of Sonata's expertise on SharePoint Portal and Sonata's commitment to the Microsoft partner ecosystem.*

## Situation

The client provides total aviation solution with a range of services and capabilities, including aircraft charter and aircraft management.

There were portals in place for various departments and they were specific to the respective work space. All the documents were shared among the team by a manual process i.e. on a weekly basis the team used to upload the documents in a shared folder. There were no tracking mechanisms to check the modifications which were made to these documents thereby making it impossible to have a version control over the same. Data like aircraft details were being manually generated through spreadsheets making the process strenuous and time consuming. To get a unified view of information the company tried to build a bespoke portal but this was hard to maintain and never got out of beta.

The client thus wanted to build a portal solution which would aid seamless content and information sharing within and across various departments in the company. The key features required were:

- Portal - structured so as to provide familiarity of navigation as well as expand to add further content areas
- Divisional sub-sites with easy content management and presentation using standard and customized SharePoint web parts

## Profile

Sonata is an SEI CMM Level 5 global IT consulting and software services company providing services to ISVs and Global 2000 clients and ISVs since 1986.

Through a proven low-risk global delivery model, Sonata provides solutions in the areas of ERP/SCM/CRM implementations/management, Business Intelligence, Enterprise Application Integration, Application Development and Management, Infrastructure Management and modernization of legacy applications.

Sonata is a Gold Certified partner with an established Competency Center focused on cutting-edge Microsoft technologies.

## Website

[www.sonata-software.com](http://www.sonata-software.com)

## Industry

Software Development  
Software Services  
IT Consulting

## Scenario

To develop a portal based solution for seamless content and information sharing between users across the client organization.

## Microsoft Technologies

- Microsoft Windows 2003 Server
- .NET Framework 3.0
- Microsoft Office SharePoint Server 2007
- SQL Server™ 2005

## Benefits

- Multiple intranet portals are consolidated into a single SharePoint portal making access and maintenance easy.
- Personalization experience for the departmental sites
- Secure KM platform - Content repository of the organization can be shared with relevant and restricted access based on the employee role/group.
- Easy and improved document management for the organization.

## The Solution

Sonata used MOSS 2007 as the platform for delivering this solution.

The scope included the following key activities

- Portal Taxonomy & Information Architecture: Sonata designed the site structure and content relationships for the new portal. This included the creation of sites for each of the primary business units:
  - Human Resources
  - Operations
  - Marketing
  - Safety
  - Corporate
  - News
- UI and Navigation Design:
  - Sonata designed the general look & feel and navigation scheme. This was based on client's existing portals and
  - Standard SharePoint Navigation schemes
- Development of Directory Search:
  - A customized search application was developed to replicate and enhance the existing directory search application. Search data source included AD as well Saleslogix data schema.
- Flight Operation System Currency Report:
  - Related to the directory search application, a web part to display FOS's pilot currency data was created.



## Technology Stack

### Server Tier:

Category	Software	Services
Server Operating System	Windows 2003 R2	<ul style="list-style-type: none"><li>• Active Directory</li><li>• IIS</li></ul>
Runtime Framework	.Net 3.0 Framework	<ul style="list-style-type: none"><li>• .Net Runtime</li></ul>
Mail	Exchange 2007	
Portal	SharePoint 2007 (Standard)	<ul style="list-style-type: none"><li>• Access Control</li><li>• Document Library</li><li>• Calendar</li><li>• Search</li><li>• Web Parts</li></ul>
Database	Microsoft SQL Server 2005 (Standard)	<ul style="list-style-type: none"><li>• Database</li></ul>

### Client Tier:

Category	Preferred Software	Services
Operating System	Windows XP	
Browser	IE 6 +	
Mail Client	Outlook	<ul style="list-style-type: none"><li>• Mailing</li></ul>
Office	Microsoft Office 2007	<ul style="list-style-type: none"><li>• MS Project</li><li>• Excel</li><li>• Word</li><li>• PowerPoint</li></ul>

## Benefits

- Multiple intranet portals are consolidated into a single SharePoint portal making access and maintenance easy.
- Content managers can update content without having to depend on development/IT team.
- Content repository of the organization can be shared with relevant and restricted access based on the employee role/group.
- Easy and the better way of document management for the organization.
- Readily available FOS Currency report from pervasive database. (Integration with Pervasive database).

- User data search embedded in portal.
- Aircraft related data search based on data in Saleslogix from the portal.
- Audit reports based on the content access by users.
- Flexible portal structure which can be extended easily.

## **For More Information**

For more information on Sonata visit [www.sonata-software.com](http://www.sonata-software.com).