

# B2B Portal Solution

## Client Background

The Client is a Dutch mid-size organization specialized in consulting services in such areas as investment, finance, advertising, and marketing. The company was founded in 2006 and has a vast client base.

## Business Challenge

The Client contacted us with the need to implement a B2B portal solution for secure, permission-based document sharing within and across businesses. The challenge was to develop an application which connects companies and individuals, enabling users to obtain and provide access to business documentation. The purpose of the project was to deliver the system which is highly pliable and well-equipped for handling high volumes of shared content.

## Project Description

The project was based on the following requirements:

- Adequate performance while handling large volumes of data and extensive user networks,
- Efficient synchronization mechanisms and lowest possible latency in response to modifications in file inventories or access permissions,
- Ability to access data from heterogeneous sources, such as the plain Windows file structure, as well as SharePoint and Unit4 repositories,
- Extensibility,
- Complex functionality, and
- Data integrity and security.

Since settling for a least common denominator for any of the above characteristics was not an option, special care was taken to optimize the technical approaches utilized.

The solution is based on a proprietary web application framework developed in concert with iTechArt. The portal is distinguished by a dynamic, fluid Web 2.0 style user interface, implemented with AJAX and JQuery.

## Value Delivered

With a layered system of user roles and permissions and a number of information findability measures, including hierarchical organization and tag-driven search, the system provides basic document management capabilities. Thanks to an unconventional architectural approach, it allows integrating heterogeneous IT environments.

### Overview

**Client**

Founded: 2006

**Industry:**

Professional Services

**Country:**

Netherlands

**Business Value:**

Enhanced end-user productivity

**Technical Value:**

Secure, permission-based B2B portal

**Development Model:**

Scrum

**Services:**

Development

**Tools and Technologies:**

- .NET Framework 3.5
- ASP.NET
- Microsoft SQL Server
- AJAX JQuery

# B2B Portal Solution

All the data is stored at the suppliers' physical facilities, which means that data owners retain complete control over sensitive documentation. The portal thus functions as a gateway to files, referring authorized users to the respective data provider and enabling them to interact directly with the facility hosting the required data. This design approach eliminates system overload and results in near-infinite scalability. System responsiveness and performance characteristics remain uncompromised regardless of the volume of shared data and the number of active users.

Access permissions are based on a set of profiles, created for both businesses and individuals. User-to-user communication is facilitated by an integrated instant messaging module. Delivered via the browser, the application can be accessed by both PC and Mac users and is additionally optimized for mobile devices.

iTechArt provides in-depth, high-quality and cost effective software development and consulting solutions to corporations across Europe and North America using both onsite and offsite service delivery models. iTechArt was founded in 2003 and has developed substantial strengths Application Development, Project Management and Outsourcing areas. iTechArt possesses deep domain knowledge through its proven research and implementation strategies across many industries including, Financial Services, Marketing & Digital Media, Security, Healthcare & Life Sciences, Retail and many more. We deliver the most effective and competitive solutions to our clients to achieve mutual business growth and success.

## Quick Facts

Founded: 2003  
Headquarters:  
Iselin, New Jersey, USA  
Development Centers:  
Minsk, Belarus; Kiev, Ukraine  
Team: 400+ employees

## Industries

Financial Services  
Marketing & Digital Media  
Security  
Healthcare & Life Sciences  
Retail  
and others

## Services

Application Modernization  
Enterprise Mobile Development  
Custom Software Development  
IT Staff Augmentation  
Software Testing & QA  
Software Maintenance

## Practice Areas

Enterprise-Level Software  
RIA  
Mobile  
Web & Intranet Portals  
Middleware  
Business Intelligence