



## CASE STUDY

### Fortune 500 Product Distribution Company eSupply Chain

#### business situation

A Chicago-based, Fortune 500 Product Distributor Company (PDC) works with over 1,200 suppliers worldwide and distributes over 500,000 facility maintenance supplies and 2.5 million repair parts to resellers in North America. The electronic processes PDC used to interface and communicate its suppliers were based in older, inflexible technologies that were difficult and expensive to change.

#### technical solution overview

##### >> eSupply Chain Project

PDC developed a browser-based set of applications utilizing Microsoft.NET technologies as a means to facilitate supplier communication, reporting, and tracking. The applications were developed using .NET Active Server Pages (ASPX), JavaScript, Microsoft C# class libraries and objects, SQL Server stored procedures, and Web Services. The applications were developed using Microsoft SQL Server 2000 for all database related functionality. Falkor Group brought expertise to the client's development team in the following areas:

- Initiated, created, implemented and managed multiple web based application projects used to interact with supplier and carrier based companies that are partnered with the client.
- Designed and developed front-end, middle tier, and back-end software functionality using ASP.NET, C#, SQL Server, and Web Services.
- Designed and developed SQL Server relational databases, stored procedures, views, and triggers for use with back-end functionality.

##### >> BizTalk EDI Validation Project

An offshoot of the eSupply Chain project, PDC wanted to reduce the time and expense involved in the daily correction of EDI transaction errors. Falkor Group used BizTalk was to create a process that provided validation for EDI transactions sent to PDC from their suppliers. This included ASNs and Invoices using the original data sent to the supplier in EDI PO format. Validation logic and data storage was provided using Microsoft SQL Server 2000 databases, stored procedures, and triggers. Web pages and email used in the correction of transactions that failed validation were created using ASP.NET, C#, and stored procedures.

#### business outcome

The eSupply project and offshoot projects, like the EDI Validation project, have become one of the leading cost saving generators for PDC.

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