Software Development for a German Product Development Company

Case viewpoint: OS ABSYS (ORGA SOFT Abrechnungs System)

OS ABSYS is a complete job management product for accounting in the graphic art and printing industry in Europe. It is a comprehensive solution for

- Automatic generation of necessary production stages
- Analyzing a description of the final product (pre-calculation)
- Organisation – steps to improve efficiency of processes
- CRM + Customer management system
- Automatic generation of internal and external textual description of all formulas
- Production planning and control system
- Logistics - elaborated presentation of the flow of goods leading to perform better processes
- Cost accounting, controlling, material processing and logistic support
- EDIFACT - Communication, sales and inventory application

Some key features which include, a fully end-user customizable solution, Multilanguage support, user rights, SAP interfaces, BDE machine interface, TAPI, Document archiving to external media, Outlook programming, tools for data transfer with any DB and many other.

Role: DBTC was responsible for re-engineering the product from the client-server architecture to web-architecture. DBTC was involved in all areas of the project which ranged from the requirement studies at client sites (like Daimler Chrysler, Gerroplast GmbH...), design, and development to installation and extending to end user technical support. The German language proficiency was an added advantage for carrying out such work.

Client-Server version platform architecture :

Tools: PowerBuilder, Visual Basic

DB's: MS SQL Server, Oracle, SQL Anywhere, Btrieve & Sybase

Reporting: Excel, Project, Word & Crystal reports

Others: TopTapi, Easy Mail Objects, Scan

Web version platform architecture:

Tools: Microsoft Visual Studio 2005(C# 2.0), ExtJS 2.2, Coolite 0.8

DB's: MS SQL Server, Oracle

Reporting: Telerik RAD Chart Control (Graph)

Others: Profiler

Challenges: DBTC was involved in five versions of the application and came across many challenges which were met with client's full satisfaction. Few of the notable ones are:

- Migrating old Btrieve files into relational DB's (MS SQL Server, Oracle & Sybase)
- In version 4, making a fully customizable application by building the programs with the data stored in the backend.
- Version 5 migrating the windows version into WBA
- Migrating a legacy cobol program (DLL) into a windows application.