

Case Study:

M*Prove: Re-engineering along with Enhancement



Overview:

It is highly important for any business firm, with a relatively increasing growth rate, to get its business processes strengthened by the usage of IT infrastructure. Moreover the internet/intranet revolution is also forcing companies to transform and exploit their IT systems, and if necessary re-design them to become more flexible and responsive to the growing business needs. Following is one of such success stories, where one of the world's logistics giant, won the battle by successfully renovating its existing profit estimation system with the help of Enterprise System Solutions.

The Client

The client is a Denmark based world's leading Logistics major, involved in a diverse range of business industries such as transportation, oil production and shipbuilding.

What the Client Needed:

The client had a profit estimation system, which was used for making the annual budget and estimates for its logistics business. The system provides the capability to create, view & update budget records during the budgeting period, create & compare estimates and generate various reports on these. There are other supplementary modules in the system like user, base, geography etc. These modules help in maintaining the users, their roles & privileges, the locations, the countries, the area, services etc. This application also supports data being uploaded from other systems. The client wanted to convert this system from Silver stream platform to Microsoft .NET and add some advanced features to it.

The Challenge and the Solution:

*M*Prove*, developed on Microsoft ASP.Net technology is an enhanced version of the older application originally developed on Silver stream platform.

The first challenge was to convert the old application to a modern platform as the older system was not scalable & quite unstable due to the design & implementation limitations. Since it was an **One to One** conversion project, we were not allowed to change any logic or flow from the original Silver Stream application. This was a huge challenge, as we need to mimic the java code in C#!. Moreover the earlier system has been using database triggers and stored procedures, which we have to remove from the server side to address the scalability issue.

The main enhancement to the M*Prove application was to implement OCE module (a specific budgeting system for a particular type of client's business) in the application with some additional features to make the application more compatible to communicate with other business applications like *M*Power*, IRIS and MORE. ESS project team made this happen by hosting web services to communicate with other systems.

The addition of new functionalities and new modules to the system already in production was not an easy task, as we need to ensure that the new functionalities and modules did not hamper the existing system in production. In order to ensure this, we were maintaining two test sites before moving the new functionalities to production.

Apart from the above challenges, the client wanted to generate common standard reports for Estimates and Budgets to be analyzed by other business systems. Some other business needs was to upload the data from *M*Power* application to **Prove* to create an estimate for their existing clients as well.

Technologies Used:

Environment	Required technology	Version
Client	Win 2K Professional / Windows-XP Professional	5.00.2195 (SP-4) 2002 or higher
	Internet Explorer	5.01 or higher
	Microsoft Excel 2000	9.0.3821 SR-1 or higher
Web Server	Win2000Server / Windows Server 2003	5.00.2195 (SP-4)
	.Net Runtime Framework	1.1.4322
	Internet Information Server (IIS)	5.x (Win 2k Server), 6.x (Win Server 2003)

Application Server	Win 2K Server	5.00.2195 (SP-4)
	.Net Runtime Framework	1.1.4 322
Database Server	Win 2K Server Microsoft SQL Server	5.00.2195 (SP-4) 2000

Value addition to the Client

*M*Prove* application helps the customer in making their annual budget for the coming financial year and estimates based on their client's targeted volumes. The addition of IRIS web service feature helped the client in measuring key performance, targets and profitability across the Container Business. The reports in specially formatted excel sheets helped the customer uploading the M*Prove data to other applications for their use and further processing.

Value addition to ESSPL

ESSPL added a lot to its knowledge base in remoting, web services and creating some common methods and controls which can be used in different projects. By working on this project the project team also got a good exposure to the budgeting and estimation processes of a logistics company which can be leveraged in future projects with the same domain.

Feedback:

Overall the customer is very much satisfied with the way the M*Prove application was reengineered with additional features:

" ... Thanks very much ... now the IRIS prime mover can sleep without nightmares :)"

"Great work on this release. The creation of the ... utility tool is very innovative..."

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About ESSPL:

We at ESSPL offer a collaborative approach to software solutions, which helps its customers in building the solution that really fits their need. In every engagement, we bring in the years of our expertise to make sure that it is completed within the business guidelines. The success of ESSPL is measured by high degree of customer satisfaction and is well reflected in extremely high number of referrals from all its existing customers.

One of the key aspects of building right solution is selecting the right technical platform. We let "Technology Selection" driven by your business needs, rather than anything else. And this is what our solution delivery team keeps as highest priority while working for you in every steps of solution building.

To know more about the company and the solution it provides, please feel free to visit www.esspl.com

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