

# VB 6.0 to .NET Migration

## ERP/SCM Re-Engineering

## CASE STUDY

Objective: Replatforming enterprise Logistics/ERP/Sales/Accounting System to .NET – End-to-End

### Existing Application

- *VB 6 Desktop Application*
- *Oracle 8i*
- *Citrix*

### The Challenges

- *UI elements were being directly referred in the Business Layer resulting in difficulty in conversion to .NET as certain controls in the UI are not easy to convert*
- *The objects generated as result of Existing Data Access Layer were not thread safe*
- *The business logic was not very well consolidated.*
- *Existing architecture lacked support for SOA flexibility and extensibility*
- *Typical Challenges of Desktop Application (Navigation, Dedicated DB Connections, Application Distribution)*
- *Licensing issues due to Citrix*
- *Deployment issues to multiple client installation*

### Impacted Business Lines

- *MRP*

### Key Objectives

- *N-tier web based application using .NET technology*
- *WEB farm using IIS6.0*
- *SOA based architecture*
- *Web Services for integration with external systems*
- *Framework based on MVC Architecture*
- *Dynamic Page generation capability*
- *Dynamic invocation of business layer. (Developer would just Code the business layer and configure the hooking through XML)*
- *Making Maximum use of Existing Code*
- *Add functionality without Framework Recompile*
- *A Flexible Validation framework*
- *Flexibility to Add Smart Clients*
- *Scalable*
- *Separation of Database Specific API from the .NET Code*
- *Reusable Component Based Architecture*

### Number of Users

*3000 Users*

### Number of Concurrent Users

*1500 Users*

### Existing Application Line of Code

*2 MLOC*

### Project Duration

*24 Months*

### Project Effort

*120,000 Hours*

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