Legacy Modernization Case Study

INSURANCE COMPANY

Summary

MTS ported a life insurance application from PowerBuilder 11 to .NET 3.5 environment. During the project MTS provided migration tools and designed the target architecture. MTS also performed after-migration code optimization for higher performance.

Benefits

- Cut of maintenance expense
- Seamless integration with the client's application web-portal
- Short time to market of new features
- Ease of application maintenance

The Challenge

The system was built in the early 90's. Some of the source code was lost. There were huge amounts of unused and redundant code. The client could not freeze the system for a long period due to business requirements. The client asked to involve his staff members in the project in order to continue in-house maintenance.

The Solution

MTS analyzed the source code and cleaned the redundant code using its PB Analyzer tool. MTS recreated the missing sources from object code. After performed by MTS automatic conversion and the initial adjustments, the client did the system tests. MTS mentored the client's development team while the team did the manual adjustment to the new code. During the modernization project synchronization points were defined where changes to the original PowerBuilder application were identified, migrated and incorporated into the target system. The client did the QA. The new environment was a pure thin client solution; the GUI was very similar to the original and the system adoption by the users was easy and smooth.

The Figures

- more than 70 effort-years of investment
- more than 1000 Window objects
- more than 5500 DataWindow objects
- more than 16000 business methods

The total duration of the project: 13.5 months.