



The Fastest Mainframe to .NET Migration in the World

Case Study

PULSE*SEN*



“ Thanks to Raincode’s dedicated support team, we achieved the migration faster and at a much lower cost than expected. ”

Daniel Lorén, CIO , Pulsen

We Care

Raincode is committed to preserving the business value of existing systems.

- ✓ Phased Migration
- ✓ Online & Batch
- ✓ CICS emulator for 3270 screens
- ✓ SQL handled by the compiler
- ✓ EBCDIC mode
- ✓ SQL Server as a target database



The Customer

Pulsen is one the largest IT service providers in Sweden, delivering IT solutions, services, and knowledge in a variety of business sectors. Pulsen strives to provide innovative, tailor-made solutions that fulfill their customers’ business needs.

One of Pulsen’s core service offerings is the Harmony business system— an integrated trading solution for physical stores, stock, purchases, transport, catalogs, e-commerce, payment systems, and financial monitoring. **Every day, Pulsen helps the Nordic region’s largest e-commerce company to handle up to 100,000 orders from consumers in 20 different countries.**

The Problem

Harmony is a modular and standard system that has been developed and enhanced in PL/I on mainframe over the last several decades. It is built around an open structure that allows the customers to expand, develop, and adapt it to their needs. **As Pulsen’s customer base grew and e-commerce increased exponentially, the cost of the mainframe became prohibitive.** As a result, Pulsen decided to rehost the existing Harmony application on a low-cost platform.

The Solution

Pulsen selected Raincode’s PL/I and COBOL compiler with “lightweight CICS” implementation on a .NET infrastructure.

Because service interruption during the re-platforming was not an option, the application was moved in phases. First, on-line transactions were moved in stages. Next, the batch processing was migrated to the new environment. Finally, the DB2 database was transferred from Mainframe to Linux.

99.99% availability for business-critical applications thanks to a phased migration.

The Result

The new .NET environment costs only a fraction of the legacy Mainframe infrastructure. The newly re-platformed applications can be maintained and enhanced with modern tools and languages such as VB.NET and C#. Increased development productivity allows applications to more easily adapt to new customer requirements, while reducing the overall cost of application maintenance.

The availability of customer services has been maintained at the same high level, and Pulsen’s systems are now fully scalable to meet growing customer demands.

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Pulsen was heavily burdened with mainframe transaction costs brought on by the fast-growing demand of their e-business.

Pulsen handles up to one hundred thousand orders a day from consumers in 20 countries across the globe.

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Mainframe to .NET and Azure