CleverIS™ Customer Success:
Modernization Delivers Cost Reduction for Major Manufacturer Company in Brazil

CleverIS™ legacy app modernization cuts costs by 60%

"We selected CleverIS™ because of their 20+ years of experience and mature services solution in addition to delivering an application without dependencies or emulators."

IT Manager Brazil Manufacturer

Executive Summary

A pioneer manufacturer company in photographic film making has leveraged its imaging and information technology to become a global market leader in innovation for healthcare, graphic arts, optical devices, functional materials, and other high tech areas.

The majority of the Brazil manufacturer company core applications were running on the IBM mainframe 4381 platform with the MVS operating system. This platform presented high maintenance costs, limited compatibility with other platforms, performance issues, and was facing a mainframe skills shortage. The manufacturer company decided to migrate to another platform to ensure the future success and they selected CleverIS™ to reshape their strategic modernization plans.

CASE STUDY

Challenges

The Brazil manufacturer company had to re-platform their IBM mainframe solution to a platform that would offer considerable cost reductions. They also needed a platform for their legacy applications that is compatible with other market-standard solutions, such as SAP, and allows them to take advantage of the latest technologies and modernization.

The Mainframe Environment

The Brazil manufacturer company mainframe solution included the following components for modernization:

- ✓ 6 Million lines of code – COBOL CICS and Batch, Assembler, Rexx, and CSP
- ✓ 1,120 IBM DB2 tables
- ✓ 2,200 VSAM files
- ✓ 350 ADABAS tables
- ✓ 1,200 Natural programs

How CleverIS™ Helped

As a true partner, CleverIS™ met with the Brazil manufacturer company to understand their business goals, the success criteria, and the deliverables timeframe. The next phase was to evaluate the state of the mainframe legacy applications and all related dependencies. This process provided a true, 360-degree overview of what needed to be re-platformed. To complete the project, CleverIS™ used its Platform Migration solution that includes automated assessment, migration, and modernization of legacy applications. This service provides a comprehensive solution from re-platforming and code migration to user interface modernization and database transformation.

Results and Future Plans

The Brazil manufacturer company mainframe solution was re-platformed in 5 months, with minimum downtime for all users. All the applications were successfully migrated and several utilities not available on the target platform were developed. The total cost of ownership to maintain their environment was reduced by 60%, which allows that budget to be redirected to new technologies, modernization, and innovation:

- ✓ 60% reduction of mainframe TCO
- ✓ Reduction of working support hours
- ✓ 50% performance improvement for batch applications
- ✓ 20% performance gain for online transactions
- ✓ Eliminated dependency on specialized mainframe professionals
- ✓ Reduced time to market
- ✓ Reduced risk with the implementation of a contingency plan
- ✓ Centralized SAP solutions on the same platform
- ✓ Delivered applications written in a native language with no dependencies

The Target Environment

The Brazil manufacturer company solution involved the following migration and technology modernization changes:

- ✓ IBM Mainframe to IBM Power System I
- ✓ COBOL MVS and CSP to COBOL/400
- ✓ NATURAL to COBOL/400
- ✓ IBM DB2, ADABAS and VSAM to IBM DB2i
- ✓ REXX to REXX/400

* Clip Informatica S/A is now CleverIS™ Technologies.

CASE STUDY