

# metaware.

the complete IT modernization solution

## Success Story

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### NATURAL ENVIRONEMENT

- 8,000 NATURAL objects
- 2,065 Copys
- 1,740 MAPS
- IBM z/OS

### TARGET ENVRIONMENT

- IBM z/OS v1R9
- IBM Enterprise COBOL for z/OS
- IBM CICS
- IBM DB2 v8
- MAP 3270
- JCL
- 900 objects cleaned-up

### CHALLENGES

- Tight Schedules - 13 months from the inception to go-live
- No User Disruption
- Strict 1:1 Functionality Retention
- Response time and Batch Performance

### BENEFITS

- Immediate Payback
- Standardization of the mainframe asset and software development technology
- Streamlined Processes of Delivery into production
- Positive impact on Software Quality Assurance
- Rationalization of unused components in production
- 20% Gain in CPU Performance

## Top three Global Insurance Company saves Millions and Drives up Productivity by Translating Natural into Cobol

The company operates through five business segments: Life & Savings, Property & Casualty, International Insurance, Asset Management and Banking. The Life & Savings segment offers a range of products including individual and group savings retirement products, life and health products. The individual life & savings retirement IT division was the only one to use Software AG's 4GL, Natural.

### KEY METRICS

- > 8,049 Components including 2065 Copys and 1.740 MAPS
- > 1.5 MLOC
- > 1.8 Million Euros of Software License payable every three years to Software AG
- > 50,000 € specific production- expenses annual

### LOWER COSTS, ENFORCE STANDARDS, INCREASE PRODUTIVITY

The replacement of the Natural development platform and screens by their COBOL equivalent has always been a key consideration for the company. COBOL is the insurance's programming standard for the mainframe and Natural has always been an exception.

With Software AG's contract renewal scheduled in 2010, cost reduction, asset and delivery process standardization became primary drivers and the project became a priority in 2009.

### AVOID USER DISRUPTION

Key requirements for the project were to make the migration transparent for users and rapid delivery to meet Software AG contract deadline.

Transparent migration to the users means retaining the functionality, screens behaviors, and response time.

Response time wasn't anticipated to be a major issue because COBOL is compiled whereas Natural is interpreted. Mapping functionality, statements, variable representation, or programming rules that have no direct match were however the significant challenges.

Using a proven and industrialized solution such as Refine® Natural:Cobol guaranteed the strict 1:1 functionality, to avoid end-user disruption and accelerate the conversion and tests completion.

## IMMEDIATE RETURN ON INVESTMENT

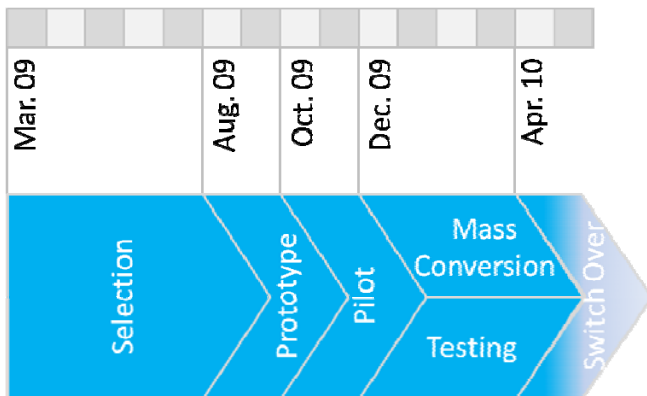
The avoidance of Software AG's renewal license fees and specific-production expenses provides the project an immediate payback – and its financial justification.

## 13 MONTHS TO ACHIEVE THE PROJECT

Due to Software AG contract lifetime, the project had to be completed within tight schedules. The major risk for the insurance was to keep unsupported Natural applications.

The insurance IT team had exactly thirteen months between the project inception and vendor selection to the go-live of the translated COBOL applications.

Shared and clearly defined responsibilities between the insurance and Metaware staffs, backed by Refine® reliable automated migration capabilities allowed to successfully meet key milestones and deadlines.



## THE TELEPHONE HASN'T RUNG

For a project director, the success of a project – and especially a migration – can be measured by the number of incidents the users escalate.

The converted applications were phased out to get live. And no major incident has been notified by the various populations of users.

## BETTER FASTER CHEAPER

The translation of Natural applications and the standardization on COBOL for all mainframe applications allow the IT shared service center of the insurance to **streamline delivery processes and increase development productivity.**

The Natural asset has been **rationalized by removing** more than 900 unused Natural objects.

The migration project has a positive impact on **Software Quality Assurance.** The testing coverage has increased and now covers 100% of previous Natural batch jobs.

Refine® has uncovered defects in the Natural code that have been fixed, thus decreasing the number of incidents in production.

Performance has improved 10%-20% on average for batch processing.

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