refine™

MODERNISATION SOLUTIONS

The evolution of your applications code.

Diagnosis is a necessary step. Even more important is the application of delivered recommendations. With Refine™ Modernisation Solutions, make your applications evolve.

Boost and make change reliable with the Refine™ Modernisation Solutions workshop. The power of automated transformations in support of evolution.

Adaptability, scalability and business service orientation are prerequisites of today's new applications, especially if these are developed in service oriented architectures.

By contrast, mainframes do not always respect the same « opening up » criteria. And yet legacy applications won't disappear. Tested over decades, they have evolved with businesses, to the point where they hold processes, data, and irreplaceable and costly to redevelop business rules.

The downside is that this pool of business values is frozen due to fitful code extensions, carried out over the course of changing needs, applications become complex, costly to exploit and even redundant or monolithic: they lack agility to adapt to changing business needs.

Refine™ Modernisation Solutions, using tools open to all types of evolution transforms your applications to allow them to attain similar opening capacities as recent applications.

Enter a new era with Refine™ Modernisation Solutions.

Refine™ Modernisation Solutions is derived from the Refine™ suite.

REFINE™ Assess & Analyse
Analysis and diagnostic of your applications code.

REFINE™ Instant Quality Check
Execution of a quality audit by MetaWare consultants.

REFINE™ Modernisation Solutions
Evolution of your applications code.

REFINE™ Application Management
Pack of functions to assist your legacy in its maintenance.

MetaWare

THE STEPS OF REFINE™ MODERNISATION SOLUTIONS

❶ Analysis

To understand and handle all the « language » objects of IT legacies, Refine™ Modernisation Solutions relies on a powerful reverse-engineering technical environment (volumes handled, nature of analyses), which is reliable and precise (mastery of anomaly rates), and is based on CBMS technology.

❷ CBMS technology

The CBMS, technology which derives from Reasoning, is used not only for the analysis of applications (complexity, links, etc .) but also for their graphic representation. It allows the storage of the code in its native format et provides dynamic means to interrogate and control it.

❸ Transformation

It is then possible to automate transformations such as the code restructuring, to carry out mass transformations, to perform language or database conversions, or to extract knowledge or business for an SOA evolution.

❹ Modularisation

In addition to automated transformation possibilities, Refine™ Modernisation Solutions provides the tools to identify parts of the code that are modularisable or practical management rules. The Refine team assists you in the use of these tools.

> THE REFINE™ REPOSITORY

The repository is the code's knowledge base on which all the suite's tools depend on.

Based on a powerful metamodel, this knowledge base can be interrogated at distance through SQL queries. The repository follows the evolution of the code without limits in volume and includes « versionning » capacities which enable a precise monitoring of the evolution of any feature or indicator.

> FUNCTIONALITIES

Thanks to the programmable inspection and transformation rules of Refine™ Modernisation Solutions, you are be able to control your applications code.

↘ MASS TRANSFORMATION

Extension of character fields (Euro, Y2K, ...), internationalisation, mass renaming, mass transformation in Refine™ Modernisation Solutions are reflected on all applications code.

↘ CODE RESTRUCTURING

Removes a dead code, reduces a duplicated code by restructuring it, Refine™ Modernisation Solutions improves its understanding without changing its functions.

↘ MIGRATION

Code translation, conversion of BMs screens to graphic Web interfaces (GUI), complete infrastructure migration, all these transformations are possible with Refine™ Modernisation Solutions.

↘ MODULARISATION

Refine™ Modernisation Solutions also allows the identification of functional application « units » for partitioning according to functions, redundancy factorisation, and complexity reduction.

↘ EVOLUTION TOWARDS SERVICE ORIENTED ARCHITECTURES

Elaboration of a data dictionary, canvassing of business rules, retrieval of business rules via interactive technique called « slicing », encapsulation of retrieved business rules in services are solutions to evolve towards SOA architectures.

> THE APPLICATION SERVICES

↘ PROFESSIONAL SERVICES

The Refine team intervenes to bring all its skill and expertise to serve your modernisation projects, either in the form of advice for modernisation trajectory, or prompt interventions of code restructuring, or as part of a fixed price contract for components of, or whole platform or language migration. Our modernisation experts put their skills at your service in the following missions: parameter setting audits, inventory and cataloguing, know-how in restructuring or re-use, know-how in migration.

↘ TRAINING AND SKILL TRANSFER

Inter or intra company trainings are available for the Refine™ Modernisations Solutions workshop. A skill transfer is carried out by our teams that are contracted out as part of the modernisation projects fixed price package.

> MetaWare's experience

MetaWare uses the Refine™ workshop on all its modernisation projects, from code restructuring to infrastructural modification (switch from Mainframes to client/server).
With the assistance of its transformation workshop, MetaWare has already migrated more than 150 mainframes to open environments across the world.

> Language variety

Refine™ was designed to process a wide variety of languages (Cobol, JCL, Pacbase) and IT/computer objects (WCL, DDL, screens).