

Tailor Made Modernisation

New Technology Generates Customer Specific Tool Sets to Modernize IT at the Press of a Button

Modernisation projects are generally started years too late, causing unnecessary cost and putting the enterprises on risk.

This happens also due to the fact, that the applied transformation technology covers the customer's concerns and requirements only to a limited extend.

Customer surveys and internal discussions resulted in the following:

1. A **CIO** desires low risk, cost effectiveness, predictability and the smallest possible involvement of the IT team.
2. **IT Architects** favor their individual architectural concepts. They oppose any compromise caused by the old paradigms.
3. **Developers** need software, which is well readable and maintainable hassle free by the young generation of computer people.

Our strategic guideline is fulfilling all of these requirements completely.

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Frameworks instead of tools

This is how ITM products are easily and fast adapted to any customer requirement.

Efficient development

SPL, our language to create software processing rules, was re-developed based on Java. We cut down development time to about 50%.

Java as primary target

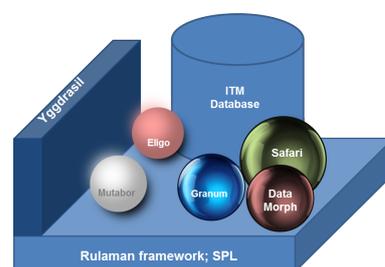
Our primary target of transformation is Java. The source may be Cobol, PL/I, Assembler, or another language. To achieve this, ITM created the integrated **Safari** product.

Emphasis on service

ITM analyses and transforms software at a fixed price. Test and classic consulting is rendered by specialized companies. Our new company name »IT Modernisation Services GmbH« reflects this.

Rulaman® platform

Every ITM product is based on the **Rulaman®** platform and coded in SPL, our *Software Processing Language*.



Projects are started with an Yggdrasil® analysis of the total software portfolio. This reveals potential problems at an early stage, establishing planning certainty.

Analysis results are put together in a detailed report. They are also stored into the Rulaman database, which supports the modernisation in control and quality assurance.

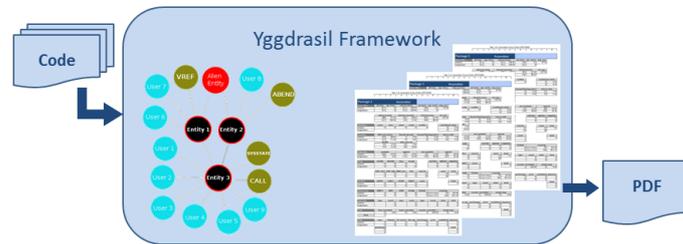
The required products are parametrized and adapted along project needs to a so-called *Modernisation Factory*. This factory processes even the largest amount of code, fully automated.

Analysis of Software Systems

Yggdrasil® - everything you should have ever known about your software

Yggdrasil® processes all of your software, i.e. programs, copy books, macros, as well as JCL and scheduler definitions. A PDF report is created fully automated, containing missing entities, dead programs, doublets, connec-

tions between jobs, programs, macros, data, etc.



This is your complete **Portfolio Management**.

New Products and Services

Lost Source Code?

Mutabor solves this problem, which occurs more often than expected. Mutabor reads object or load modules and creates assembler sources first, which are enriched to improve readability before their transformation by **Safari** (s.b.) into higher languages.

Emulation of VM/CMS

The framework **Eligo** emulates CMS and CP commands. Hereby CMS applications can be operated on Linux without any changes.

VSAM migration

DataMorph ports VSAM applications to relational data bases. The program logic is adjusted appropriately. Files are checked with validation programs, modified if necessary, and loaded into the target data base.

Transformation of Arbitrary Languages

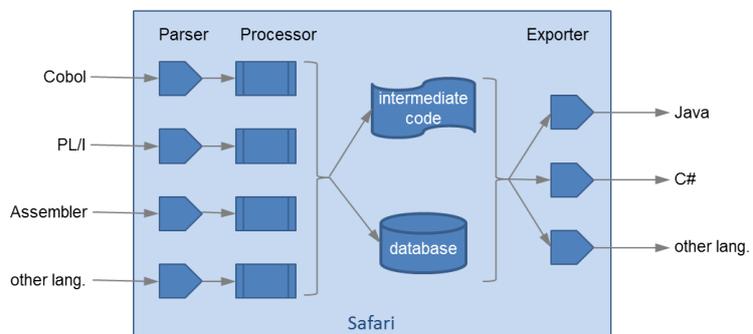
Safari - rule based language transformation

Safari transforms any language in any other.

The product contains one *Parser* per input language and one *Exporter* for every output language.

One language-specific rule set transforms the input into an intermediate representation and stores the accompanying information into the Rula-

man data base. This DB is also used by the Export



process to generate a functionally identical program in the target language.