



## **Optimized Software Transition through AI**

The digitization of corporate structures often involves data migration from previous legacy systems to new cloud solutions. Special integration, migration and analysis software is used to monitor these processes. Nevertheless, after the software transitions, problems frequently arise with the operation and maintenance. To minimize these risks, Conemis AG developed a cloud service, which provides the user with an AI-based overview of success factors of software transition projects.

In the context of digital transformation processes in companies, a consistent transition from locally installed enterprise software to new cloud applications has been observed for several years now. For this purpose, software transition projects are being carried out to migrate data from previous applications to new cloud solutions. This involves the analysis, extraction, transformation and importing of information that has accrued over the years from the legacy system into the new cloud application.

There is a great need for this process, which consists of several steps, to be carried out as controllably as possible under quality assurance measures. The already established integration, migration and analysis software for monitoring the ongoing processes, however, do not yet offer a consistent recording of all data and activities. That is why, after a system transition, problems often arise in day-to-day business. Employees in particular often suffer from poorly and inadequately maintained cloud systems. A systematic error analysis and retroactive optimization is difficult in most cases.

Conemis AG therefore pursued the development of a product that systematically records and analyzes the software transition process in order to make software migration projects more efficient and optimize them on this basis.

### **The Product and its Innovation**

Within the framework of the ZIM solo project, software could be developed, which enables the continuous recording all of project steps - from planning, execution, and implementation of the system transition to the smallest operational steps. This data is used as the basis for the use of artificial intelligence to enable automated identification and interpretation of the success factors to be achieved. As a result, the software provides comprehensive documentation about which steps and actions lead to success and which decisions endanger the success of the project.

The success factors are prepared and presented in a visually appealing way so that they can be grasped intuitively. For example, project management can use this to draw a detailed comparison between several transition projects or individual sub-steps.

Using the newly developed identification technology by means of AI, project management can thus minimize risks driven by data and systematically steer the project towards success. The rapid identification of success factors can in turn save time and costs in project planning and



implementation. The probability of success of software transition projects is thus increased and the efficiency of the project is simultaneously enhanced.

### **The Market and the Customers**

The developed technology is offered in the form of a cloud service called "conemis QUANT". The product is aimed at all large and medium-sized companies that want to replace outdated systems or makeshift solutions with new cloud applications and benefit from the assured quality of these transition projects.

In combination with the company's own software suite "conemis transition cloud", the product is particularly interesting for the large consulting firms as a standard solution.

The company is already in early discussions with major IT consulting firms in both Europe and North America to establish conemis software as a standard tool for their software transformation projects.

### **Company Profile**

Conemis AG was founded as a spin-off of the Karlsruhe Institute of Technology (KIT) and the Research Center for Information Technology (FZI) and has specialized in successful transformation projects in enterprise software for more than ten years. The company is represented in Europe, North America and India.