Fast-track your legacy replacement with Mendix

Legacy applications can be a drain on any enterprise, inhibiting speed to market, driving up costs and stifling innovation. Atos's approach to application modernization using Mendix allows you to build and implement an optimum roadmap. The custom-developed plan is tailored to meet your specific needs and delivers at the right pace for your organization.

Ripping and replacing or fully rebuilding applications is always time-consuming and costly. Atos's Mendix solutions streamline processes and enable you to improve performance and adaptability as legacy functionality is gradually replaced by modernized applications. Atos tools help automate and accelerate modernization and reduce costs at every step along the way. The most pressing challenges for application modernization include:

- Non-scalable, complex systems that are unable to meet the demands of a digital business
- Steadily rising cost of operations and change implementation
- Shortage of staff trained on older platforms, creating the risk of knowledge loss
- Lack of flexibility to adapt to changing business processes, market conditions and regulations
- Heavy technical debt accumulated in the legacy code

Atos offerings

Atos's application modernization services transform businesses into digital enterprises, helping improve business agility, drive down costs, reduce complexity and accelerate time-to-market. Our unique solution supports both "greenfield" and "brownfield" modernization approaches for new platform builds.

Transformation consulting
Establish a roadmap for modernizing legacy applications and systems

Business re-architecture
Top-down, outside-in approach that creates business value by eliminating process debt and delivering a corresponding IT solution

IT re-architecture
Bottom up, inside-out approach that eliminates technical debt by architecture design in the Mendix platform.

Re-building applications
Rapid, low-cost rebuild of applications with a positive business case and improvement of time-to-market.

DevOps
Continuous development, support and maintenance in one hand combining on-site, on-shore and offshore in a cost-effective delivery model.

Atos

Agile approach
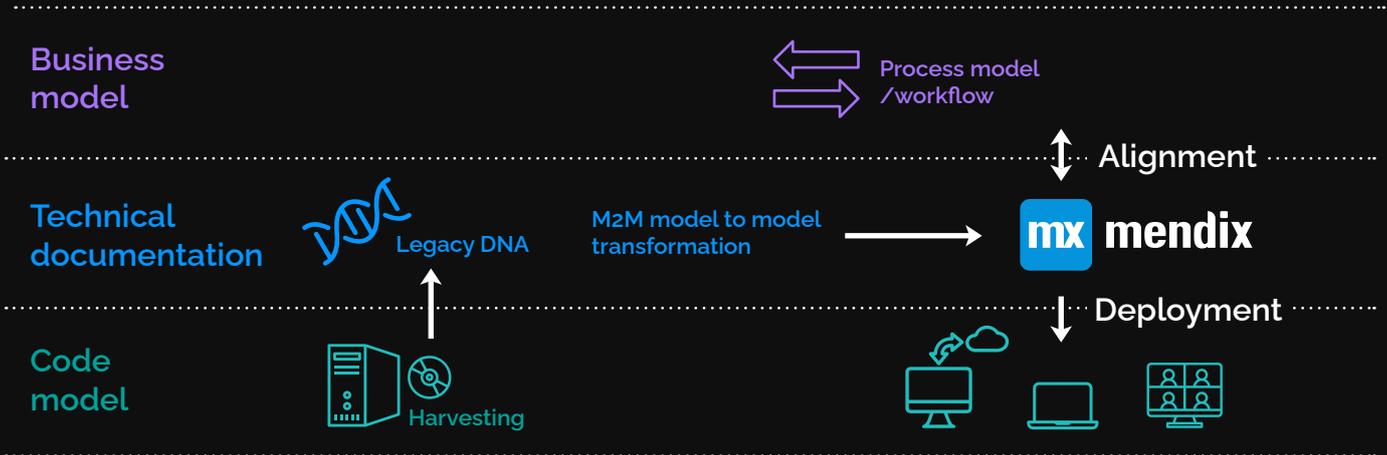
Atos has a dedicated approach to rebuilding legacy applications that starts with extracting the DNA of the legacy application using an application mining tool. It scans the code and produces technical documentation such as data models, high-level architecture view, database access view, and transaction/workflow view. Atos low-code developers then analyze this technical documentation and transform it into the low-code models of Mendix. Based on these models, a first version is created, which is then enriched with business logic, workflow, authentication and integration with other systems during a series of sprints. Each sprint ends with the deployment of new functionality, which is made available to the user community for acceptance testing.

Harvesting and transforming legacy applications

Business model

Process model /workflow

Technical documentation

Legacy DNA

M2M model to model transformation

mx mendix

Alignment

Code model

Harvesting

Deployment

Key benefits

80%

Reduction in total cost of ownership

30%

Decrease in modernization cost and effort

30–50% **faster** time-to-market

Transition towards a **real-time** enterprise computing environment

Business cycle time **reduction**

Technical debt **elimination**

Reduced complexity

Improved **agility** with the **speed** of Mendix

Atos has experience rebuilding business applications across a wide variety of technologies, including:

- Cobol
- PL/SQL
- JCL
- JSP
- HTML
- ABAP
- Oracle*Forms

- PHP
- Pro C
- C
- C++
- C#
- Tibco
- VB Script

- VB.NET
- Visual Basic
- XML
- Java
- JavaScript
- Lotus Notes
- Uniface

If you are ready to rebuild your applications and dramatically increase the **flexibility** and **productivity** of your software development efforts, talk to an **Atos expert** at Mendix World.

Or, visit us online at https://atos.net/low-coding to learn more about our low-code solutions.