

A12 Platform - Management Summary

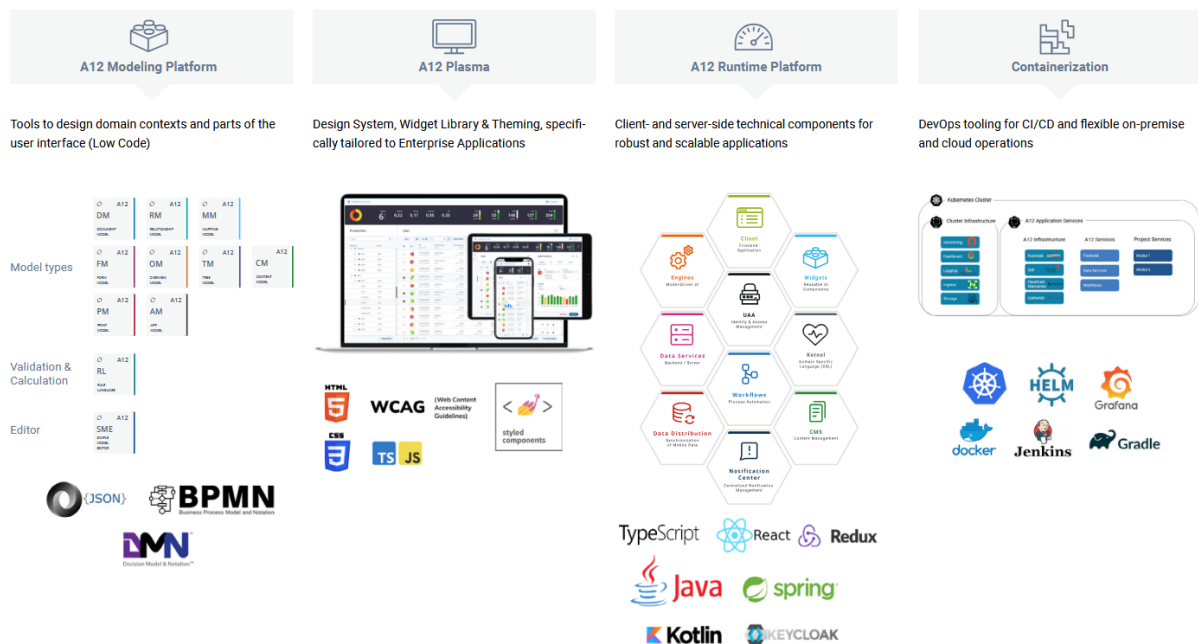
What is A12?

More information about A12
<https://www.mgm-tp.com/a12.htm>

A12 is a platform for developing enterprise applications in complex IT landscapes. It relies on model-driven software engineering (MDSE) and brings the low-code principle to the world of enterprise software. As an open platform, A12 simplifies the integration of best-of-breed solutions and the use of AI at all levels. A12's Modeling Environment provides tools to create and maintain parts of an application over the

long term as independent business logic modules without programming experience. A12's Runtime Platform provides the flexibility needed to evolve business-critical applications with professional individual software development, AI support and system integration into fully integrated enterprise applications.

How Is A12 Structured?



A12 is designed as an open system that allows for maximum flexibility in the development, long-term maintenance, and further development of custom software. Domain experts and business analysts can use modeling tools to model the business-specific core of the software on their own and keep

it up to date over the long term. The consistent separation of business logic and technology makes it possible to maintain the modeled contents even when there are technological leaps.

What Is Special About A12?

- **Modern Tech Stack & Continuous Innovation**

The platform is continuously developed by a team of over 100 people. Regular technology upgrades keep A12 up to date. mgm cooperates with scientific institutions such as RWTH Aachen University to incorporate the latest research findings.

- **Open Source & Digital Sovereignty**

For years, mgm has been providing its project customers with the entire source code of A12. With the planned open sourcing under EUPL 1.2, mgm is underlining its commitment to openness, transparency, and digital sovereignty. A12 is thus becoming one of the most comprehensive open source low-code platforms with enterprise requirements.

- **Proven Foundation for Enterprise Software**

A12 has proven itself in practice as the foundation for enterprise applications that have been successfully in production for years. These include ELSTER, one of the most important digitization projects in the German public sector IT landscape.

- **Synergies with LLM-driven AI**

Thanks to its open architecture, clear documentation, and numerous extension points, AI can be integrated at all levels. The Q12 quality assurance landscape, which is tailored to A12, provides an effective control framework. The use of LLMs at the model level offers the unique advantage that the code created with interpreters and generators remains deterministic.

- **Low Code at Enterprise Level**

A12 offers a powerful rule language that allows domain experts without programming knowledge to independently model, manage, and adapt even highly complex business logic. The scope of modeling ranges from data and its relationships and mappings to forms and overviews to the application framework.

- **Plasma Design System for First-Class Usability**

As part of A12, mgm has developed its own design system for responsive, accessible web applications. It is specifically designed to meet the needs of enterprise applications and includes an extensive widget library and a flexible theming concept.

What Scenarios Is A12 Designed For?

- **Development of Complex Custom Software**

A12 is the ideal foundation for highly scalable, secure, robust, and potentially business-critical web applications—whether they are application management systems, portals, and specialized applications for the public sector, underwriting platforms for industrial insurance, law firm management systems, or e-commerce applications.

- **Basic Platform for an Integrated IT Landscape**

Medium-sized and large companies as well as public authorities in particular can benefit enormously from consolidating and modernizing their IT landscape on the basis of a uniform platform. A12 is very well suited for this thanks to its modular structure, robust basic components, and focus on flexible system integration.

- **Replacement of Excel/Access Applications**

Many business processes are based on makeshift Excel and Access solutions. With A12, they can be consolidated and transferred to an open platform as real applications (with automated migration tools). This simplifies management and further development and ensures compliance with regulations.

- **Development of Software Products**

A12 provides a proven foundation for developing long-lasting software products. Using A12 shortens time to market and simplifies the development of a high-quality application that is not only state-of-the-art for a short time, but remains so thanks to the continuous development of the platform infrastructure.

