RISE with SAP
for Discrete Manufacturing

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With msg and RISE with SAP
The straightforward path to digital manufacturing

Medium-sized manufacturing companies are experiencing mounting pressure to enhance their productivity and cut costs even further. In doing so, they encounter obstacles like growing global competition, elevated energy expenses, a lack of skilled labor, supply chain bottlenecks, regulatory obligations, and increasing customer expectations. In such a landscape, embracing digital transformation is essential for sustaining stability and profitability while exploring new growth opportunities. An integrated cloud solution ensures long-term investments that fortify operations for the future.

The standardized system architecture of SAP S/4HANA Cloud ERP lowers the total cost of ownership and, due to its extensive functionalities, grants access to advanced technologies such as robotics and AI applications. RISE also allows you to retain individual data and processes that are unique to your business. All msg transformations are conducted within the AWS private cloud. As the largest and most highly rated cloud provider, the AWS private cloud delivers greater security and data protection than could be achieved with even the best in-house precautions. In their own secure environment, private cloud customers enjoy exclusive access and full control over their data and programs.

Three leading suppliers driving the transformation of the manufacturing industry: msg, SAP and AWS

The RISE with SAP cloud migration package facilitates a swift and secure transition for manufacturing firms to the cloud, utilizing predefined processes. Software, infrastructure, and services are bundled into a single contract. As an OPEX model with monthly payments, RISE ensures costs are predictable and transparent.

RISE with SAP, msg and AWS assist manufacturing companies in their business transition to the cloud with:

Speed:
Predefined processes for faster implementation and go-live
Flexibility:
Existing solutions and processes can also be transitioned to the cloud
Maximum security:
Full control over data and processes within the private cloud
Cost-effectiveness:
Lower total cost of ownership thanks to a standardized system architecture

"Currently, there is an almost overwhelming number of options available for digitizing manufacturing firms. That's why having a knowledgeable partner by your side, one who understands the industry thoroughly through their own experience, is more crucial than ever. And one who provides the appropriate solution from the very beginning."

Dr. Alexander Iglesias
msg Head of Manufacturing

Custom-designed for the manufacturing sector

When paired with msg S/4 DMI, msg's manufacturing-focused software solutions transform RISE into a migration program tailored to the unique needs of the industry.

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msg S/4 DMI – msg's all-in-one solution for the future of manufacturing

With more than two decades of industry experience, msg S/4 DMI is a proven, ready-to-run solution: a pre-configured, modular and scalable industry package built on SAP S/4HANA Cloud Private Edition and Best Practices, designed specifically for medium-sized manufacturing companies. It includes solutions for

- Materials management, production planning and production control
- Sales, logistics, product lifecycle management, and quality management
- Accounting and controlling
- End-to-end manufacturing processes such as Make to Stock (MTS), Make to Order (MTO), Engineer to Order (ETO), and Configure to Order (CTO)

The standardized architecture of SAP S/4HANA Cloud Private Edition helps reduce overall operating expenses while enabling the migration of specific processes to the cloud. With msg S/4 DMI, the transition under the RISE with SAP initiative can be executed swiftly, comprehensively, and reliably - ensuring dependable planning throughout. This positions your business to meet future demands with confidence.

As complex machines, tools, components, and devices increasingly require rapid customization, online configuration, and ordering, msg.Variant enhances the solution with specially designed add-ons for streamlined variant processes. A range of appealing options - from starter packages to additional features and expansion packages - provide clarity for both financial and time planning.

Scope and additional options of msg S/4 DMI

RISE with SAP S/4HANA Cloud, private edition	msg.Variant
Industry-specific preconfigured ERP system in the cloud	Enhanced variant configuration for managing individual customer requirements

SAP Cloud ALM	Optional: msg.FIT
Support during implementation and operation	Preliminary analysis of the existing system to speed up the transformation process

Learn more

msg.FIT: This also applies to RISE. Effective analysis is a crucial part of the journey to success

Our msg.FIT solution offers an in-depth analysis of SAP systems, covering the complete system architecture and all active components.
This analysis not only lays the groundwork for an SAP S/4HANA migration, but also reveals opportunities for optimization in system organization, usage, customization, authorizations, licensing, and development.

✈ msg.**FIT**

Evidence indicates that msg.FIT can shorten SAP S/4HANA project timelines by two to ten weeks, delivering substantial added value to organizations.

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Industry Expertise by msg

msg also provides a range of fully integrated industry solutions and products designed for the daily operations of manufacturing companies:

msg.Variant

msg.Variant Modeling

Facilitates straightforward, rapid, and transparent maintenance of product variants and their interdependencies within the system. With the help of a cutting-edge no-code maintenance environment, configuration data can be generated and maintained swiftly, effectively, and in a manner that is easily understandable for all stakeholders. This accelerates the product development process and market introduction while enhancing collaboration with customers and suppliers.

msg.Variant CoFE

Makes it easy for users to configure even complex products with a modern front end that connects directly to SAP's back end, eliminating the need for middleware or complicated installations. Additionally, it allows for the photorealistic visualization of configurable products, incorporating augmented reality scenarios. This enhances customer interaction and effectively aids the sales process.

Learn more

SAP and msg Advanced Supply Chain Add-On Packages

SAP Integrated Business Planning for Sales & Operations Planning:

Integrates corporate, financial, and sales planning into a cohesive process where all pertinent areas - from strategic and financial planning to sales and operational planning - collaborate as a single team.
Simulations can help improve strategic decisions, by enabling more focused business choices based on different planning scenarios.

SAP IBP Control Tower:

Facilitates end-to-end transparency in complex supply chains and early identification of potential problems through AI-driven analytics.

SAP Advanced Planning and Manufacturing

Optimizes production planning, resource scheduling, and operational costs by leveraging smart automation. A seamless connection between production planning, control, and execution results in improved delivery reliability and reduced lead times, all while upholding quality standards.

SAP Advanced Available-to-Promise

Enhances customer satisfaction by providing real-time inventory allocation and reliable delivery commitments that reflect actual capacities.

msg.PPC (Production Planning Cockpit):

msg.PPC is a modular and flexible software package designed to meet both industry and customer-specific needs, serving sectors like aerospace & defense, automotive, and milling, for production planning and control. msg.PPC can be easily integrated with SAP Advanced Supply Chain Add-On Packages like SAP IBP.
The package enhances the standard Production Planning and Control solution of SAP S/4HANA without any modifications by incorporating several additional modules, including the following:

- **Constraints:** Utilizes generic restrictions with flexible conditions and key figures to improve production planning and availability checks.
- **ATP Planer / Pegging:** Dynamically analyzes multi-level order networks and supports system-assisted rescheduling while considering capacity constraints. Enables automated calculation of accurate delivery timelines that reflect real-time updates on customer orders.
- **Simulation Cost Monitor:** Enables cost-driven, KPI-oriented planning with the ability to model and compare various what-if scenarios.

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AWS Private Cloud

Unlike public clouds, where users share network resources and hardware with other customers, msg provides access to the AWS Private Cloud through its RISE with SAP package. This allows organizations to operate their infrastructure and applications within their own network, hosted by AWS as the cloud provider.

Recognized by Gartner as a leading cloud service provider for the twelfth consecutive year, AWS delivers exceptional security along with a wide range of advanced solutions and services. Businesses maintain complete control over their data management and protection while enjoying the latest updates and innovative technologies offered by the AWS Cloud.

RISE with SAP

RISE with SAP is a comprehensive service that provides fast, targeted access to SAP's leading ERP system, SAP S/4HANA Cloud, along with numerous preconfigured tools and solutions. Its extensive flexibility and customization options enable organizations not only to implement standard solutions, but also to retain their unique data and processes.

With RISE with SAP, organizations can enjoy the benefits of a private cloud while still leveraging the reliable processes from their existing systems.

Through the AWS Cloud, msg provides access to a premier cloud that has earned the trust of millions of customers for more than 17 years.The extensive range of features includes cutting-edge applications in AI, IoT, and analytics.

RISE WITH SAP

SAP Gold Partner

aws PARTNER SAP Services Competency

Implement your objectives with msg, SAP, and AWS

From our many projects with manufacturing companies, we understand that merely concentrating on technology does not guarantee success. It requires a strategy customized for the organization and the active participation of every employee.

In our projects, we adopt this method gradually, always with a clear goal in mind: to digitally transform your factory, and turn your objectives into tangible results quickly.

Ready to boost efficiency in your production? We look forward to your questions.

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