

Smart Engineering Cloud

Go global in minutes

Global collaboration of development partners represents new challenges for the product development

In hardly any other sector economic success is so closely linked to the use of advanced cloud technologies, as in the automotive industry. The reasons for this have long been known: for example, complexity of supply chains, which require adequate interaction between service providers/suppliers and automakers. The product development process is influenced by steadily reducing development time, mastering the rising variety of models and versions, quickly implementing the technological innovations whilst maintaining product quality and high budget pressure. As a consequence, the global collaboration of project teams, consisting of the OEM and its partner network, must be designed efficiently. High initial investment in time and monetary resources is the result of the implementation of CAx engineering jobs and product data management systems in a global context. In addition to high complexity of the installation, there are also significant operating costs and a lack of resource utilization to be considered.

The cloud platform "Smart Engineering Cloud", the Alvaronic AG, enables global availability in real time with high safety standards in combination with flexible sourcing models, CAx applications and product data management systems. Complex applications, which require high computing power, can be operated from anywhere and on various devices. Through the on-demand concept of the cloud, scalable CAx jobs can be flexibly configured and deployed at short notice. The previously complex license management is simplified in addition to optimized cost structure due to the shift from CAPEX to OPEX. Shortened coordination, decision-making and approval processes are the result, leading to further significant savings in process costs. secure data management and timeliness product development data in the platform, as well as the collaboration of project teams, is accelerated by a quick and secure connection of external development partners. For example, Siemens PLM, PDM, CAD software or any other software, leading security and storage solutions are available in a predefined manner.

www.en.alvaronic.de/smart-engineering-cloud

Scalability

By on-demand availability of the AWS cloud, scalable CAx jobs can be flexibly configured and provided by resource and performance requirements.

Cost efficiency

By on-demand availability of the AWS cloud, scalable CAx jobs can be flexibly configured and provided by resource and performance requirements.

Speed

The global deployment of the preconfigured Smart Engineering Cloud is possible within minutes and includes all the functions of a traditional engineering workstation.

Location independence

We currently operate our platform in a number of different AWS regions such as Dublin, Frankfurt and Singapore.

Data Security

Our Smart Engineering Cloud enables global use of data protection standards according to German guidelines. For the protection of Intellectual Property, storage of data is provided on dedicated servers.

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We combine innovative cloud technologies with years of enterprise IT experience

With Amazon Web Services you get more than 500 services that quickly overwhelm the traditional IT world in fullness and depth of knowledge. Without consulting services and development of underlying new concepts, processes and organizational structures, only isolated IT solutions can result. Take advantage of our consulting services to exploit maximum benefits.

Consulting Services

Alvaronic provides the missing service and advice element (service level, architectural and cost management). Along the Customer Journey, we advise our customers about appropriate use case scenarios of AWS services in combination with the existing systems. In addition to the AWS basic services, our customers receive a cost transparent invoice from a German contractor, without long-term commitment, and always the lowest cost. Additional services are customer support, higher security standards through further tools as well as integration of performance and management of a hybrid cloud infrastructure.

Integration Services

Based on our proven Cloud Integration Model, we perform the integration to the AWS cloud in 3 steps. Paying attention to the configuration of interfaces for inventory architecture and running the scripting / programming for AWS automations. Developing the necessary detailed configuration of the AWS services. Migrating entire inventory systems in the AWS cloud.

Managed Services

Based on standardized service modules, according to the ITIL framework, we carry out the management of the respective AWS infrastructure. We offer a 24/7 Service Desk and Customer Support, as well as SLA's meeting your requirements. These 4 core cloud disciplines are our focus: SecOps, FinOps, SysOps, xOps. Whilst you can focus on your core business processes, we manage your productive environment in terms of security monitoring and incident management, cost optimization, system monitoring and break and fixes, guaranteeing stability and availability of the platform as well as performing release management, patching and deployment.

Plan. Build. Run. In the Cloud.

We are specialized in digital challenges of midsize and enterprise customers. With over 300 successfully implemented cloud projects, about 80 certified and accredited employees, a global reach, and supported by AWS. We are the managed services partner at your side.

For over 10 years, our employees are dealing with IT megatrends for Cloud, Big Data, Social Workspace and Mobility realizing feasible IT strategies. In addition to alvaronic AG, the AWS specialized managed service provider, our group of companies comprises acentrix GmbH, the cloud consulting and integration company in addition to Zettagon GmbH, the Siemens PLM integration specialist.

About Amazon Web Services

Amazon Web Services (AWS) is a dynamic, growing business unit of Amazon.com. Amazon Web Services is one of the leading cloud computing platforms in the world, offering reliable, scalable and cost-effective remote computing services. Worldwide, hundreds of thousands of customers of all industries are productive with their workloads in the AWS cloud. Global AWS expansion also proceeds with great strides, besides North America, Europe, Brazil, Singapore, China, Australia, the AWS is also present in North Korea since several days.



About Alvaronic

As the Amazon Web Services Cloud Transformation Partner, System Integrator and Managed Service Provider, we cover the entire value chain for our customers' needs in the cloud. Our services and solutions are based on the AWS Cloud Platform, ranging from design, implementation to operation, each tailored to individual customer requirements.

www.alvaronic.com

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