

Unicorn Applies Siemens MindSphere to Manufacturers

Unicorn uses the **Siemens MindSphere** cloud platform to offer its customers an innovative solution. This platform enables the implementation of completely new technological and business processes within industrial IoT. The data obtained and its advanced processing are key. The Siemens MindSphere platform features together with Unicorn's unique know-how as a European IT supplier both guarantee an information solution, which brings added business value and a competitive edge to manufacturing companies.



Siemens MindSphere

MindSphere is a unique open cloud IoT solution that allows for advanced integration of systems and manufacturing equipment. The main advantages of the platform are:

- Collection, saving and providing IoT data collected in specific time periods
- Faster development of comprehensive information systems
- Fast implementation of preprepared components
- Safe connectivity of hardware and software
- Data visualization for operational and management decision-making

- A wide spectrum of API interfaces for easy connections of systems
- MindSphere store for obtaining the best partner solutions from the entire world

Unicorn

Unicorn Systems is a renowned European company providing some of the largest information systems and solutions. In the manufacturing sector, Unicorn offers the following:

- Application of modern information technologies into industry
- Design and implementation of advanced enterprise IT architecture of information systems

- Comprehensive services that include the design and delivery of information systems as well as their operations including support for end users
- New technologies verified by research projects
- Use of our experience from other areas

Unicorn systems allow our manufacturing customers to:

- Offer new products and services
- Effectively manage the production and non-production process
- Improve communication with customers, suppliers and Unicorn employees



Digital Services 4.0

Unicorn delivers Digital Services 4.0 with the MindSphere platform. They cover the following areas:

- Connectivity of manufacturing equipment
- Data integration of internal and external resources
- Centralized data storage
- Advanced data analytics
- Data provision and visualization



Fig. 1 – Digital services 4.0

Siemens MindSphere MindSphere Application

Application and services for monitoring manufacturing equipment and business process management. Use of advanced analytical functions. The solution can be implemented based on specific requirements or a ready-made partner solution may be used.

MindSphere

An open platform running as a cloud service (Paas) for scalable operations of IoT applications and connectivity.

MindConnect

Safe plug and play connectivity of manufacturing equipment, systems, enterprise and legacy systems as well as other system features of the client.

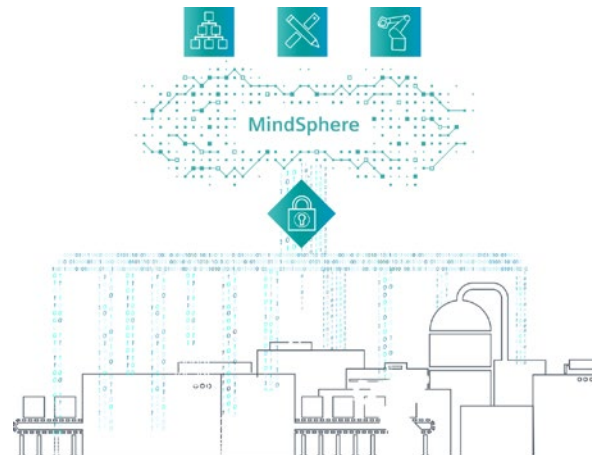


Fig. 2 – Siemens MindSphere

Unicorn GOLD MindSphere Partner

Unicorn provides the following as a GOLD partner for the Siemens MindSphere platform:

- Consulting and design of the complete solution within the client enterprise architecture context
- Implementation of the platform into the customer's environment and ensuring connectivity of target devices and equipment



- Implementation and configuration of prepared MindSphere solutions
- Analysis, development and implementation of solutions for the support of complete production and non-production processes
- Primary and secondary support for the implemented solutions
- Information and processing security

Unicorn IT Solutions in Manufacturing

Unicorn has long-term know-how and experience with the delivery of information

systems for manufacturing companies. We focus on selected processes, which we understand in detail.

- Information technologies in products (IoT)
- Business intelligence and reporting
- Predictive modeling, forecasting and machine learning
- Energy performance management
- Manage customer relationships and communication
- Sales and marketing including international markets
- Manage production processes and logistics
- Customer and product service
- Product definition and pricing
- Supplier-customer relationships
- Internal communication and access rights
- Finances

Clients and Partners

- Škoda Auto
- Volkswagen
- Mittas
- UniCre
- Hochtief
- Plzeňský Prazdroj
- Intemac
- Industry Cluster 4.0



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