

MindSphere Package for Machine Builders

Benefits

- Immediate access to MindSphere platform and monitoring of your assets
- Quick connect and configuration of machines with MindConnect Nano
- Access to highly scalable, cost effective cloud infrastructure for application development based on Cloud Foundry
- High security standards
- MindSphere Store and partner ecosystem



Jumpstart your IoT initiative with MindSphere Package for Machine Builders

Every machine and system in your business holds a wealth of data. MindSphere is the operating system that lets you understand your data. It lets you connect your machines and physical infrastructure to the digital world and provides powerful industrial applications and digital services that can unleash more productivity and efficiency across your entire business. MindSphere lets you reduce downtime, increase output and use assets more effectively. And it's a completely open platform that lets you develop and run applications like never before.

MindSphere Package for Machine Builders is your easy start into Internet of Things (IoT). Utilize the predefined architecture of matching components to immediately get started with your install base; monitor your fleet and visualize its data in order to optimize service productivity as well as efficiency. Boost your maintenance efficiency by optimizing assets and ultimately, create new business models by developing applications based on yours or your customer's needs.

The IoT implementation challenge

Today, competitive pressure calls for lower costs, improved production quality, flexibility and efficiency. IoT facilitates additional productivity levers and new

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business models. It is the foundation for the development of applications and digital services, and the multiplier for digital services and business.

But how do you get started in this new and complex world of IoT?

In the era of digitalization, speed is a main competitive advantage. MindSphere Package for Machine Builders is your quick and easy start into IoT. The components of MindSphere Package for Machine Builders are designed with best practices in mind to help you quickly connect, collect and monitor your assets with minimal operational disruption. With early detection of problems, MindSphere Package for Machine Builders, enables you to offer a higher quality product with less warranty costs to your customers.

MindConnect Nano

Use these preconfigured connectivity devices to get your machines connected to MindSphere, quickly and securely. The MindSphere Package for Machine Builders includes five MindConnect Nano boxes. MindConnect Nano boxes support industry-standard protocols to facilitate data collection and transfer through interaction with PLCs and other sensors, including Siemens S7 and OPC UA. In addition, stringent security features of MindConnect Nano boxes ensure the successful transfer of sensitive industrial data.

Immediate monitoring of assets

Fleet Manager, a MindSphere application, provides an immediate overview of assets configured in MindSphere. Users can quickly search for all assets and focus on relevant issues based on user-defined parameters configured with Fleet Manager.

Optionally, TIBCO Jaspersoft™ Service is available with MindAccess User, enabling the creation of dynamic, web-based dashboards and reports suited to

individual requirements. With TIBCO Jaspersoft™ Service, you or your customers have the ultimate flexibility to create their own visualizations using configuration tools with no development required.

MindAccess Developer

MindAccess Developer, included in the advanced package, provides you with access to a dedicated development system for developing and testing of your own newly developed applications. MindAccess Developer enables up to 10 developers and 50 productive users to create and test applications on MindSphere using Cloud Foundry. MindAccess Developer is offered to suit the needs of different sized organizations.

Training

Ramp up your operational teams, business users and developers with a dynamic, predefined training package targeted at industrial customers. Introduction to MindSphere includes interactive lectures as well as demonstrations of MindSphere and MindConnect. Technical teams will acquire the skills necessary to develop custom applications by attending developer training.

Flexible package offerings

Depending on your needs, MindSphere Package for Machine Builders can be ordered in two different sizes, basic and advanced, based on your requirements for new application development:

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	Basic	Advanced
MindAccess Developer Medium	Not included	Included
Tenant	1	1
User accounts	50	50
MindConnect Nano	5	5
Data usage	5,000 MSU / month	5,000 MSU / month
Training		
Introduction to MindSphere training	2 participants	2 participants
Basic MindSphere frontend development training for MindApps	Not included	2 participants
Basic MindSphere backend development training for MindApps	Not included	2 participants
Security awareness training	1 participant	1 participant
My Dream App Ideation workshop	1 workshop	1 workshop

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MindSphere Store and partner ecosystem

MindAccess Developer users, included with the MindSphere Package for Machine Builders advanced package, have access to the MindSphere partner ecosystem. To address the broad scope and high complexity of digital transformation across all industries, MindSphere has established a network of world-class partnerships. These partnerships enable MindSphere with a robust offering of IoT solutions and services with the flexibility to match the specific requirements of our customers. Additionally, partners have numerous opportunities to build and offer their own digital offerings via MindSphere Store.

Solving real world problems with IoT and MindSphere

A global machine builder that distributes post-press equipment was looking to increase competitive market position by optimizing process and product reliability through a gentle processing of printed products at the highest press speeds. Because they required a flexible, cost-effective, data-driven solution, MindSphere Package for Machine Builders was selected as the technical solution for IoT.

By connecting existing 57-1500 assets directly to MindSphere, they were able to immediately visualize data in the MindSphere Fleet Manager application without purchasing new infrastructure or developing new applications. A unique set of rules for failure alarming were configured in Fleet Manager to tailor the application to transform IoT data into actionable results used to increase

machine uptime. The machine builder was able to offer out-of-the-box digital services to their end customer as well as cost effectively fulfilling product warranty requirements.

MindSphere

MindSphere is the cloud-based, open IoT operating system from Siemens that connects real things to the digital world, and enables powerful industry applications and digital services to drive business success. MindSphere's open Platform as a Service (PaaS) enables a rich partner ecosystem to develop and deliver new applications.

Siemens PLM Software
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