SIEMENS

Analyze MyDrives Package
Product Sheet

Analyze MyDrives is a smart solution that monitors and analyzes drive systems for decision making, productivity and savings.
The Analyze MyDrives Package consists of the MindSphere application Analyze MyDrives and selected MindSphere Resources which are required to access the Platform and to utilize the application.

Prerequisites	
Connectivity	This application requires the onboarding of MindConnect devices (e.g. MindConnect IoT2040, MindConnect Nano) and the configuration of Assets and Aspects in the Asset Manager. Such MindConnect devices can be ordered via local Siemens Sales at separate terms and conditions.
Web browser	An HTML5 capable Internet browser is required (e.g. Mozilla Firefox or Google Chrome). The recommended screen resolution is 1024x768 or higher. Mobile devices are supported through the use of HTML5 capable Internet browsers. Screen size of the mobile device should be minimum 10".
Data access	To access and use the application, data stored in your existing Account (e.g. Base Environment or MindSphere Capability Package Account) may be accessed by the application.

Description of the Analyze MyDrives application	
General	Analyze MyDrives has main features such as: • Monitoring multiple drive systems from a single dashboard for immediate determination of drive system utilization without additional hardware. • Visualization of drive system's current and historical data with Charts. • E-mail notifications when User-defined rules are triggered.
Dashboard	Provides a collective view about multiple drive system components within the selected filters (defined by location, drive status, asset, label, etc.). Dashboard view consists of the following features: • Grouping of multiple drive system components together. • Displaying of power consumption on dashboard page. • Actual status of the drive system component depending on the status word. • Monitoring of variables of the drive system component that are linked to the Platform as a list view.

	• Displaying SIPLUS CMS SM 1281 Condition Monitoring module data in a specific dashboard.
Utilization	With the utilization charts Users can easily see the utilization of the drivetrain either hour by hour or on daily basis. It allows simplified maintenance scheduling by giving further detailed transparency for the machine operator.
Charts	Provides line, multi-line or scatter plot charts of selected drive system component variables and: • Allows Users to define minimum and maximum threshold values. • Multi-line charts allow Users to make comparisons between two variables on the time-domain. • Scatter plot charts allow Users to make bi-variate correlation analysis. • Trendline feature can be applied as linear or polynomial to a chart to give a clearer picture of the trend. • Allows Users to analyze drive system component variables in detail with advanced graphical functionalities.
Notifications	Notifications of Analyze MyDrives provide information according to User-defined threshold values via email.

Description of MindSphere Resources

The following MindSphere resources ("MindSphere Resources") are included in the Analyze MyDrives Package Base or its upgrades. These have been selected to ensure proper operation of the application.

Base Environment	The Base Environment provides you with a dedicated Account (also referred to as "Environment") on MindSphere. It enables you to login to your Account via the respective URL provided by us and is required for use of the application and MindSphere Resources. The Base Environment includes 1 Admin User and provides you with the following administration tools available on the MindSphere Launchpad: • Usage Transparency: provides information regarding your consumption of MindSphere Resources. • Agent Diagnostic: allows you to activate and deactivate agent logfiles and to access them. • Settings: allow managing Users, permissions, rights, roles, groups, Collaborations, and environment provider information. For every User, an individual login is required. Access policies are available only upon request. MindSphere sales representative or MindSphere Support to be contacted to enable use of access policies. • Asset Manager: use Asset Manager to onboard & offboard agents to your Account; to configure assets, asset types and aspect types; to manage the Sharing of assets under a Collaboration between Accounts using Cross-Tenancy. • Upgrade: can be used to order available upgrades (incl. add-ons) to already Offerings; to get an overview of requested and completed upgrades; to manage pending upgrade requests (authorized Users only). The Base Environment provides you with the following connectivity "Connect your Things" capabilities as well: • To connect assets using own PC as a gateway with MindConnect Software Agent. • To connect individual hardware using MindConnect API services, MindConnect MQTT Services, MindConnect OPC UA PubSub Services and MindConnect Library. • To use MindConnect Hardware e.g. MindConnect Nano, MindConnect IoT2040, MindConnect IoT2050.

	• Zero touch onboarding using MindConnect OPC UA PubSub Services and MindConnect MQTT Services. • To maintain connected devices by using MindConnect Device Management Services. For more information regarding Connect your Things capabilities, please refer to the Product Sheet for MindSphere Capability Packages available at https://siemens.mindsphere.io/en/docs/Product-Descriptions-Overview/MindSphere-Product-Sheets.
Additional MindSphere Resources	In addition to the Base Environment, the following MindSphere Resources are included in the Analyze MyDrives Package Base and its extensions: • Asset Attributes • Events • Notifications Email • Time Series Data Ingest Rate • Time Series Data Storage • Rules • Users For general descriptions of the MindSphere Resources listed above, please refer to the MindSphere Glossary.

Analyze MyDrives Package Size Overview

Application subscription	Analyze MyDrives Package Base
Fee	See Order[1]

The MindSphere Resources included in Analyze MyDrives Package Base are suitable to connect to the Platform e.g. up to 10 SINAMICS drives (10 variables per each) or 1 SIPLUS CMS SM 1281 module including 4 channels and 2 SINAMICS drives (10 variables per each), dependent on the MindSphere Resources you need.

Analyze MyDrives application	✔
Base Environment[2]	✔
Asset Attributes	130
Events	1 000
Notifications[3] Email	1 000 /month
Rules	3
Time Series Data Ingest Rate	0.3 KB/s
Time Series Data Storage	15 GB
User	5

Extension (for MindSphere Resources)	Analyze MyDrives Package Asset Extension
Fee	See Order[1]

This extension contains the following MindSphere Resources and allows you to connect additional SINAMICS or third-party drives or SIPLUS CMS SM 1281 module to the Platform, dependend on the MindSphere Resources you need.

Asset Attributes	100 additional Asset Attributes
Time Series Data Ingest Rate	0.3 KB/s additional Time Series Data Ingest Rate
Time Series Data Storage	15 GB additional Times Series Data Storage

Extension (for MindSphere Resources)	Analyze MyDrives Package Notifications Extension
Fee	See Order[1]

Notifications[3] Email	1 000 additional Email Notifications /month
Extension (for MindSphere Resources)	**Analyze MyDrives Package Rules Extension**
Fee	See Order[1]
Rules	3 additional Rules
Extension (for MindSphere Resources)	**Analyze MyDrives Package Events Extension**
Fee	See Order[1]
Events	1 000 additional Events
Extension (for MindSphere Resources)	**Analyze MyDrives Package Data Ingest Rate Extension**
Fee	See Order[1]
Time Series Data Ingest Rate	0.1 KB/s additional Time Series Data Ingest Rate
Time Series Data Storage	5 GB additional Times Series Data Storage

[1] Subscription-based pricing is set forth in the Order; [2] You can decide if a Base Environment shall be created and provisioned to you as part of your Analyze MyDrives Package Base subscription or if the Analyze MyDrives Package Base (without a Base Environment) shall be added to an existing Account (Base Environment or MindSphere Capability Package Account). A Package can only be added to an existing Account if the Account and Package are hosted in the same data center location. If you decide to add various Packages to one existing Account, please note the following: The MindSphere Resources included in the various Packages will be combined under one Account; it is your responsibility to allocate the MindSphere Resources to the various Packages according to your needs; The combination of MindSphere Resources under one Account may lead to technical limitations in their accessibility https://siemens.mindsphere.io/en/docs/Product-Descriptions-Overview/technical-limitations. An exception applies for the following MindSphere Resource: Asset Attributes included in other MindSphere products cannot be used for the utilization of Analyze MyDrives application. Only Asset Attributes included in the Analyze MyDrives Package Base and/or Analyze MyDrives Package Asset Extension can be used; [3] Notifications in form of emails included in the Analyze MyDrives Package Base and Analyze MyDrives Package Notifications Extension are limited. Should the actual usage of notifications exceed the applicable limits above, the User will not receive emails anymore.

General	
Subscription Term	The standard Subscription Term for the application is 12 or 36 months, and extensions are 12 months. The Subscription Term shall automatically renew if stated in the Order. Upon expiration of the Subscription Term for Analyze MyDrives Package Base without renewal, any extensions described herein will also be deactivated and cannot be used any longer.
Co-term (renewal and termination)	The Subscription Term for extensions will be co-termed with the Subscription Term of the application and therefore can be shorter than the standard Subscription Term. If an application subscription is terminated, the associated extensions will also be terminated at the same time.
Payment Terms	The subscription fee for Analyze MyDrives Package Base and any of the extensions described herein is fully charged in advance for the entire Subscription Term unless otherwise expressly provided in an Order.
Service Level Agreement	The Monthly Availability for the Analyze MyDrives application is 95%. Monthly Availability is defined in the Cloud Services Support and Service Level Framework available at https://www.siemens.com/sw-terms/sla.
Third-Party Terms	The Third-Party Terms for Analyze MyDrives are made available via the following web link: https://siemens.mindsphere.io/en/docs/Product-Descriptions-Overview/Third-Party-Terms.
Support	Support for this application may be contacted via Industry Online Support https://support.industry.siemens.com.

Export Control Regulations

Applicable for Analyze MyDrives application and MindSphere Resources.	
AL	N
ECCN	EAR99

Security Information

General	In order to protect plants, systems, machines and networks against cyber threats, it is necessary that you implement and continuously maintain a holistic, state-of-the-art industrial security concept.
Secure communication	Data transmission will be done via HTTPS protocol from Asset to your Account.
Access credentials	Authentication and authorization on User level based on username and password.

Definitions

Aspect	An Aspect is the logical representation of a thing which for the purposes of this application is a drive system equipment (e.g. SINAMICS drives, third-party drives), SIPLUS CMS SM 1281 Condition Monitoring module or a drive component (e.g. motor, gearbox).
Asset	An Asset is the logical representation of a thing which for the purpose of this application is a MindConnect device (e.g. MindConnect IoT2040, MindConnect Nano.)
Charts	A Chart is a graphical representation of a variable in an Aspect.
General	Unless otherwise indicated, capitalized terms used in this Product Sheet shall have the meaning given to them in this Product Sheet or elsewhere in the Agreement. You may also want to check our Glossary.

https://siemens.mindsphere.io/en/docs/Product-Descriptions-Overview