

# Analyze MyDrives Package

## Product Sheet and Specific Terms



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, Sinamics Connect 300, 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".

### Description of the Analyze MyDrives application

General	<p>Analyze MyDrives has main features such as:</p> <ul style="list-style-type: none"> <li>Monitoring multiple drive systems from a single dashboard for immediate determination of drive system utilization without additional hardware.</li> <li>Visualization of drive system's current and historical data with Charts.</li> <li>E-mail notifications when User-defined rules are triggered.</li> </ul>
Dashboard	<p>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:</p> <ul style="list-style-type: none"> <li>Grouping of multiple drive system components together.</li> <li>Displaying of power consumption on dashboard page.</li> <li>Actual status of the drive system component depending on the status word.</li> <li>Monitoring of variables of the drive system component that are linked to the Platform as a list view.</li> <li>Displaying SM 1281 Condition Monitoring system data in a specific dashboard.</li> </ul>

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: <ul style="list-style-type: none"> <li>• Allows Users to define minimum and maximum threshold values.</li> <li>• Multi-line charts allow Users to make comparisons between two variables on the time-domain.</li> <li>• Scatter plot charts allow Users to make bi-variate correlation analysis.</li> <li>• Trendline feature can be applied as linear or polynomial to a chart to give a clearer picture of the trend.</li> <li>• Allows Users to analyze drive system component variables in detail with advanced graphical functionalities.</li> </ul>
Notifications	Notifications of Analyze MyDrives provide information according to User-defined threshold values via email.
Application permissions	This application is operated in data centers in the Area European Union and processes the following data: <ul style="list-style-type: none"> <li>• Data which includes Aspect variables.</li> <li>• Asset configuration data which describes the Asset (e.g. Asset name, location).</li> </ul> The application performs the following activities which modify or amend Your Content in your Account on your behalf: Read access on your Asset configuration data: <ul style="list-style-type: none"> <li>• Read access on Asset configuration data is required in order to use the functionalities of this application.</li> </ul>

## Description of MindSphere Resources

The following MindSphere resources (“MindSphere Resources”) are included in the Analyze MyDrives Package or its upgrades.

Base Tenant	<p>The Base Tenant provides you with a dedicated Account (also referred to as “Tenant”) 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.</p> <p>Base Tenant includes 1 Admin User and provides you with the following administration tools available on the MindSphere Launchpad:</p> <ul style="list-style-type: none"> <li>• Usage Transparency: provides information regarding your consumption of MindSphere Resources.</li> <li>• Settings: allow managing Users, permissions, rights, roles, groups, Collaborations, subtenants<sup>1</sup> and tenant provider information. For every User, an individual login is required. Users are also permitted to access and utilize the user management for the purpose of receiving a service from you. However, a user that receives a service from you shall not be granted with administration rights, except for administration rights that are offered by the user management of a subtenant<sup>1</sup>.</li> <li>• Asset Manager: use Asset Manager to onboard &amp; offboard agents to your Account; configure assets, asset types and aspect types; manage the Sharing of assets under a Collaboration between Accounts using Cross-Tenancy. The User that is entitled to administrate the Asset Manager may permit users of a subtenant who receive a service from you to directly access the Asset Manager in relation to the respective subtenant<sup>1</sup>.</li> </ul>
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	<ul style="list-style-type: none"> <li>Upgrade: use Upgrade to order available upgrades to your subscribed and additionally available MindSphere Resources (e.g. increase Users or agents); get an overview of your requested and completed upgrades; manage pending upgrade requests (authorized Users only).</li> </ul>
User	It allows a defined number of Users to access your Account and use the application.
Agent	An agent is a software as part of a hardware device or in the form of an application provided by Siemens or a Third Party which you connect to your Account and which can ingest data into your Account and send data to one or more asset instances.
Asset Instance	Asset instance reflects a physical and/or logical device within your Account would be an asset instance. Each instance belongs to an asset type.
Asset Type	Asset type describes the type of an asset (e.g., MindConnect IoT2040, Sinamics Connect 300, MindConnect Nano) including one or several attributes. An asset type is a template that describes the attributes of a homogenous group of physical or logical assets, which is used for asset modeling. An asset type is a grouping of assets with common characteristics that distinguish those assets as a group or class.
Time Series Data Ingest Rate	Time series data ingest rate represents the rate at which the sensor data is ingested into the Platform (e.g. status word, variables, fault values from a Sinamics drive). Data ingest is based on number of assets, number of variables per asset, size per variable including overhead, read cycle intervals and sending frequency. This depends on the size of the requests containing time series data sent from the customer to the Platform. Time series data ingest rate is restricted to a maximum of 100 KB/s per asset.
Time Series Data Storage	Time series data storage represents the total volume of time series data (e.g. status word, variables, fault values from a Sinamics drive) ingested and stored in the Platform for an Account.
Notifications	The number of notifications added determines how many notifications in form of e-mails you can trigger in total each month. Sending e-mails leverages the MindSphere Notification Service. The terms and conditions set out in the MindSphere Supplemental Terms for Notification Service available on <a href="http://www.mindsphere.io/terms">www.mindsphere.io/terms</a> also apply to your use of notifications.
Rules	Rules refer to the functionality integrated into this application to create and configure rules that monitor variables of an Aspect. The Specific Terms and Third Party Terms set out in the MindSphere Supplemental Terms for Fleet Manager and Rules in Fleet Manager available on <a href="http://www.mindsphere.io/terms">www.mindsphere.io/terms</a> apply accordingly to this MindSphere Resource.
<p><sup>1)</sup> Please note that subtenants are not part of the Analyze MyDrives Package Base and currently not supported by the application.</p>	

## Analyze MyDrives Package Size Overview

Base subscription	Analyze MyDrives Package Base
The MindSphere Resources included in Analyze MyDrives Package Base are suitable to connect up to 10 drive system equipment to the Platform by using 1 Asset.	
Analyze MyDrives application	✓
Base Tenant <sup>1</sup>	✓

User	1
Agent	1
Asset Types	1
Asset Instances	1
Time Series Data Ingest Rate	0.3 KB/s
Time Series Data Storage	15 GB
Notifications <sup>2</sup> per month	100
Rules	3
<b>MindSphere Resources upgrade (optional)</b>	<b>Analyze MyDrives Package Asset Upgrade</b>
This upgrade contains the following MindSphere Resources and allows you to connect up to 10 additional drive system equipment to the Platform by using 1 additional Asset.	
Asset Instance	1 additional Asset Instance
Time Series Data Ingest Rate	0.30 KB/s additional Time Series Data Ingest Rate
Time Series Data Storage	15 GB additional Times Series Data Storage
<b>MindSphere Resources upgrade (optional)</b>	<b>Analyze MyDrives Package Notifications Upgrade</b>
Notifications <sup>2</sup> per month	100 additional Notifications
<b>MindSphere Resources upgrade (optional)</b>	<b>Analyze MyDrives Package Rules Upgrade</b>
Rules	3 additional Rules
<b>MindSphere Resources upgrade (optional)</b>	<b>Analyze MyDrives Package User Upgrade</b>
User	1 additional User
<b>MindSphere Resources upgrade (optional)</b>	<b>Analyze MyDrives Package Asset Type Upgrade</b>
Asset Type	1 additional Asset Type
<b>MindSphere Resources upgrade (optional)</b>	<b>Analyze MyDrives Package Data Ingest Rate Upgrade</b>
Time Series Data Ingest Rate	0.10 KB/s additional Time Series Data Ingest Rate
Time Series Data Storage	5 GB additional Times Series Data Storage

<sup>1)</sup> You can decide if a Base Tenant 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 Tenant) shall be added to an existing Account (Base Tenant or MindAccess IoT Value Plan 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 and should therefore not exceed the limits set out under [https://sie.ag/MindSphere\\_TechnicalLimitationsforUsageofMindSphereServices](https://sie.ag/MindSphere_TechnicalLimitationsforUsageofMindSphereServices); <sup>2)</sup> Notifications in form of emails included in the Analyze My Drives Package Base and Analyze MyDrives Package Notifications Upgrade are limited. Should the actual usage of notifications exceed the applicable limits above, the User will not receive emails anymore.

## Specific Terms

Subscription Term for base subscription, termination	The initial Subscription Term for Analyze MyDrives Package Base and upgrade subscriptions is 12 months. Following expiration of the preceding Subscription Term, the subscription automatically renews with a Subscription Term of 12 months at the then-current terms made available under <a href="http://www.mindsphere.io/terms">www.mindsphere.io/terms</a> , unless either Party notifies the other Party at least 60 days prior to the then-current expiration date that it has elected not to renew. Upon expiration of the Subscription Term for Analyze MyDrives Package Base without renewal, any upgraded MindSphere Resources will also be deactivated and cannot be used any longer.
Payment Terms	The subscription fee for Analyze MyDrives Package Base and any of the upgrades described herein is charged yearly in advance.
Data center location	Your Content processed by the MindSphere Resources is stored at rest in Area European Union as set out in the MindSphere Supplemental Terms available on <a href="http://www.mindsphere.io/terms">www.mindsphere.io/terms</a> .
Adaptation of fees	The fees during any renewed Subscription Term will be the same as during the immediately prior Subscription Term, unless we notify you of a Fee Change at least 90 days prior to the end of the then-current Subscription Term, in which case the communicated Fee Change will be effective upon subscription renewal. During the Subscription Term, we may change or add new fees (collectively referred to as "Fee Change") due to and to the extent required to reflect: (i) changes in the quality or functionalities of the Service; (ii) material changes in market conditions; (iii) general increases in wages or other employment costs; and/or (iv) changes in procurement costs due to price changes made by our suppliers, in each case to the extent that the changes affect our provision of the agreed Service. We will notify you of any Fee Change at least 60 days in advance of the effective date of the Fee Change.
Service Level Agreement	The Monthly Uptime Percentage for the Analyze MyDrives application is 95%. Monthly Uptime Percentage is defined in the MindSphere Supplemental Terms available on <a href="http://www.mindsphere.io/terms">www.mindsphere.io/terms</a> .
Data use rights	<p>"Collected Data" means the following data collected by this application:</p> <ul style="list-style-type: none"> <li>• Asset configuration data (asset name, location).</li> <li>• Time series data relating to device operation and configuration.</li> <li>• Event data relating to device operation.</li> <li>• File data relating to device operation and configuration.</li> <li>• Processed data (KPIs, histograms, events, comments, plans).</li> <li>• Logs without personal data (app log, system log).</li> </ul> <p>You acknowledge that Collected Data may include copies made by the application from certain parts of Your Content for use in accordance with this Product Sheet &amp; Specific Terms.</p> <p>During and after the Subscription Term, Siemens and its business partners may use Collected Data for Siemens' internal purposes, e.g. development and improvement of products and services. Use of Collected Data in accordance with this Section will be at Siemens' risk. Should Siemens divest substantially all of its assets of a business or should an Affiliate cease to be an Affiliate of Siemens AG, the purchaser of the divested business or the former Affiliate, respectively, may use the Collected Data received by such business or Affiliate before divestment, only as permitted in this Product Sheet and Specific Terms.</p>

Third Party Terms	<p>The application contains Third Party services, including open source software, or software-related managed services, which are subject to additional or different terms, license rights, or require certain notices by their licensor, which we are obliged to pass on to you as your licensor and to which you agree to abide ("Third Party Terms").</p> <p>The Third-Party Terms for Analyze MyDrives are made available via the following web link: <a href="https://sie.ag/MindSphere-ThirdParty_AnalyzeMyDrives">https://sie.ag/MindSphere-ThirdParty_AnalyzeMyDrives</a>.</p>
Changes to the Product Sheet and Specific Terms	<p>We may update this document from time to time during a Subscription Term in order to reflect any changes agreed with or imposing by our subcontractors (including changes in open software license terms) or when we introduce new MindSphere Resources, features, supplements, enhancements or capabilities (e.g. that were not previously included with the subscription but added for no additional fee). Changes shall become binding upon release of a new version for this document on <a href="http://www.mindsphere.io/terms">www.mindsphere.io/terms</a>.</p>
Support	<p>Support for this application may be contacted via Industry Online Support <a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>.</p>

## Export Control Regulations

Applicable for Analyze MyDrives application and MindSphere Resources.

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## 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. third-party drives, Sinamics drives), SM 1281 Condition Monitoring device 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, Sinamics Connect 300, MindConnect Nano.)
Charts	A Chart is a graphical representation of a variable in an Aspect.
MindSphere Launchpad	After the login into your Account, the Launchpad appears. Similar to a desktop on any common operating system (OS), the MindSphere Launchpad facilitates starting various assigned applications.

	If you provide services to your customers, you must replace the Siemens service and support information provided in the MindSphere Launchpad with your companies' service and support information.
General	All other capitalized terms in this document shall have the meaning given to them in the MindSphere Agreement.