Asset Performance Monitoring

Product Sheet and

Specific Terms

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Alibaba Cloud

1. Introduction

Asset Performance Monitoring is a MindSphere application that allows you to track key operating parameters of industrial assets to detect and alert about deviations from normal operation conditions.

Through Asset Performance Monitoring, you can use your machines' data to maximize up-time and availability of your machines as well as to increase operational transparency.

1.1. Prerequisites

Item	Description
Subscription	A valid MindAccess IoT Value Plan (Small/Medium/Large) subscription is required.
Web browser	An HTML5 capable Internet browser is required (e.g. Firefox, Edge, and Google Chrome). The recommended screen resolution is 1024x768 or higher. Mobile devices are supported through the use of HTML5 capable Internet browser.

2. Asset Performance Monitoring

2.1. General

Item	Description
General	This application is available in different sizes (Small/Medium/Large). You are only authorized to use the application in accordance with the size to which you hold a valid subscription. The application can be accessed through MindSphere Launchpad.

2.2. Size Overview

Item	Size		
Asset Performance Monitoring	**Small**	**Medium**	**Large**
Available for MindAccess IoT Value Plan	S/M/L	M/L	L
Sites	2	5	10
Active Rules[1]	10	20	50
High Value Assets	10	20	50
KPI Asset	--	5	10
Asset Performance Monitoring Upgrades[2] (Optional)	**Small Upgrade**	**Medium Upgrade**	**Large Upgrade**
Available for Asset Performance Monitoring (refer above)	Small	Medium	Large
Additional Sites	1	2	4
Additional Active Rules[1]	5	10	20
Additional High Value Assets	5	10	20
Additional KPI Assets	--	2	4
[1] Number of Active Rules is exclusive for the application; [2] Maximum number of Upgrades allowed for the respective application size is 2.			
Authorized Limits	Should the actual usage of your application size repeatedly exceed one or more of the applicable limits above (e.g. the number of Sites for your application		

	size), and should you not order the appropriate upgrade for an additional fee, we reserve the right to suspend the Service. Other contractual rights and remedies remain unaffected.

2.3. Asset Performance Monitoring – Modules

Item	Description
Site(s) dashboard	Configurable intuitive Site(s) dashboard to enable remote monitoring of Assets. This enables you to: • Increase operational transparency across machines, systems and Sites. • Monitor warning signs from connected Assets based on occurrence of multiple operating conditions and their sequences. • Quickly identify frequently occurring events on Site.
Rule(s)	Define, activate and manage *Single Condition Rule* and *Multiple Condition Rule* based on IoT time series data from Assets. This enables you to: • Detect a pattern of anomalies from normal operating conditions from multiple Assets. • Change from reactive to proactive maintenance practices that lead to reduction in cost of repairs or replacement.
High Value Assets	Configure and monitor High Value Assets' status for business and operational reasons. This enables you to: • Monitor health status of High Value Assets on the dashboard. • Maximize up-time and availability of High Value Assets.
Events	Event management includes event workflow, event views with filter and sort capabilities. This enables you to: • View events from multiple Sites on the dashboard. • Use event workflow to make operations of maintenance service transparent and traceable.
KPI Asset	Configure Assets to view pre-defined *KPI Values-Hours and KPI Values-Factors* on the dashboard. This enables you to: • View out of the box KPI Calculation on the dashboard • Outline industrial procurement (reliability, availability and

	maintainability) and operating characteristics of an Asset.
Application permissions	This application is operated in data centers in PRC and processes the following data: Site, Asset, Asset type, Asset maintenance schedule, Asset states, aspect, aspect type, Asset variable, time series data, multiple condition rules, event, event life cycle information, Asset KPI, rules, and notification information like email ID or User name. The application performs the following activities which modify or amend Your Content in your MindAccess Account on your behalf: • Read access to uploaded time series data, Asset configuration data, identity management data, KPI calculation data and notification data. • Read/write access to event management data.

3. Specific Terms

Item	Description
Subscription Term	Subscription Term for this application is 12 months.
Service Level Agreement	The Monthly Uptime Percentage for this application is at least 99,5%. Monthly Uptime Percentage is defined in the MindSphere Supplemental Terms available on http://tb.cn/VMMan5w.
Application use rights	This application can be used as part of OEM Services as described in the Specific Terms for MindAccess IoT Value Plan published on http://tb.cn/VMMan5w. Under the Account of your MindAccess IoT Value Plan, you may permit Users of Third Parties to access and use this application for the purpose of receiving a service from you.
Notification Services	Sending of emails leverages MindSphere's Notification Services. The terms and conditions set out in the MindSphere Supplemental Terms for Notification Services available on http://tb.cn/VMMan5w apply.
Third Party Terms	The application contains Third Party services, including open source software commercial software, or software-related managed services, which are subject to additional or different terms, license rights, or require certain notices by their licensors, which we are obliged to pass on to you as your licensor and to which you agree to abide ("Third Party Terms"). The Third Party Terms are made available via the following web link: http://sie.ag/MindSphere-ThirdParty_AssetPerformanceMonitoring.
Changes to the Product Sheet and Specific Terms	We may update this document from time to time during a Subscription Term in order to reflect any changes agreed with or imposed by our subcontractors (including changes in open source software license terms) or when we introduce new 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 of this document on http://tb.cn/VMMan5w.

Support	For this application Support is provided in accordance with Chapter F of the MindSphere Supplemental Terms available on http://tb.cn/VMMan5w.

4. Security Information

Item	Description
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.
Access credentials	Authentication and authorization on User level based on user name and password.
Secure communication	Communication between Browser and MindAccess Account secured using HTTPS protocol.

5. Export Control Regulations

Item	Description
AL	N
ECCN	EAR99

6. Definitions

Item	Description
Asset	An Asset is the logical representation of a thing which can be a machine or an automation system with a single unit e.g. PLC or CNC - Controller or even a factory site. Assets are defined using an Asset type.
High Value Assets	High Value Assets are those Assets the operation of which is critical for your business.
MindSphere Launchpad	After the login into your Account, the MindSphere Launchpad appears. Similar to a desktop on any common operating system (OS), the MindSphere Launchpad facilitates starting various assigned applications. You may permit Users of Third Parties that receive a service from you to access the MindSphere Launchpad for the purpose of accessing and using applications assigned by you to such Third Party. 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.
PRC	PRC means the People's Republic of China (which for the purpose of this Product Sheet and Specific Terms does not include Hong Kong Special Administrative Region, Macao Special Administrative Region and Taiwan Area).
Site	A Site is a single logical grouping of one or more than one building and/or factory.
Additional definitions	All other capitalized terms in this document shall have the meaning given to them in the MindSphere Agreement.