

Analyze MyPerformance / OEE-Monitor

Product Sheet and Specific Terms



The MindSphere application Analyze MyPerformance /OEE-Monitor (AMP /OEE-Monitor) calculates Key Performance Indicators (KPIs) such as Overall Equipment Effectiveness (OEE), Availability, Performance, and Quality and provides important indicators for developing measures to increase efficiency. Through the automatic recording of data and conditions of Assets as well as data entered through the user dialog, AMP /OEE-Monitor provide information for production optimization.

Prerequisites

Subscriptions

A valid subscription to a MindAccess IoT Value Plan (Small/Medium/Large) is required.

Additionally a subscription to Fleet Manager Rules is required if you want to create and configure rules that monitor parameters of an Asset and send emails and other types of messages. The sending of emails and other types of messages leverages MindSphere's Notification Service. The terms and conditions set out in the MindSphere Supplemental Terms for Notification Services also apply to your use of Fleet Manager and Fleet Manager Rules. The MindSphere Supplemental Terms are available on www.mindsphere.io/terms

Software

Client Software:
An installation of a software client is required on your CNC-Controller e.g. SINUMERIK 840D sl, SINUMERIK 828D (Windows 7 Embedded Standard). The latest client software is available via Industry Hotline Support (<https://support.industry.siemens.com>) under separate terms and conditions that shall apply when installing the software (SINUMERIK Integrate Operate Client).

Operating Software from CNC - Controller:
The approved firmware versions for your CNC - Controller required to enable communication with your MindAccess Account and run the SINUMERIK

	<p>Integrate Operate Client are listed in the user documentation available under https://support.industry.siemens.com and https://mindsphere.io/docs (under Apps section).</p> <p>Firmware versions not listed have not been tested for the SINUMERIK Integrate Operate Client in conjunction with this application. For non-approved versions, specific functionality of this application is impaired or not available.</p> <p>You have to activate the pre-installed SINUMERIK Integrate Operate Client for connecting the SINUMERIK to your MindAccess Account. Please note that the SINUMERIK Integrate Operate Client is only able to connect to one platform (e.g. MindSphere or SINUMERIK Integrate). You are responsible for the use of an approved version and the activation of the SINUMERIK Integrate Operate Client.</p>
Hardware	This application is only compatible with data provided through SINUMERIK 840D sl, SINUMERIK 828D (Windows 7 Embedded Standard).
Web browser	<p>An HTML5 capable internet browser is required (e.g. Mozilla Firefox, Google Chrome or Microsoft Internet Explorer). The recommended screen resolution is 1024x768 or higher.</p> <p>This application can be used by any mobile device that comes with an HTML5 capable web browser.</p>

Description	
Navigation View	Provides access to the function views (Performance Monitoring, Utilization Planning and Production Quality) in the application and helps navigating.
Performance Monitoring	Provides multiple views on collected and calculated OEE and other KPI values such as Availability, Performance, Quality for multiple connected Assets over the applied hierarchy (Hierarchy Details) or for a single connected Asset (Machine Details).
Utilization Planning	<p>Provides an overview of applied utilization plans, the ability to create a new utilization plan and apply existing utilization plans to an Asset. This is been provided by three different views.</p> <ul style="list-style-type: none"> • Applied Plan - provide overview of applied utilization plans per Asset • Edit Plans - create and change utilization plans • Assign Plan - apply defined utilization plans to an Asset
Production Quality	<p>The first view (Workpieces) provides the ability to enter Asset specific quality indicators (e.g. Good Pieces, Scrap Pieces, Target Cycle Time) based on shifts.</p> <p>The second view (Missing workpiece entries) provides information about pending quality indicators for previous shifts.</p>
Application permissions	<p>AMP /OEE-Monitor is operated in a data center in Germany and processes the following data:</p> <ul style="list-style-type: none"> • Time series data which includes the variables received from an Asset within defined continuous time cycles.

	<ul style="list-style-type: none"> Asset configuration data which describes the Asset (e.g. Asset name, location). <p>The application performs the following activities which modify or amend Your Content in your MindAccess Account on your behalf:</p> <p>Read / write access on your time series data</p> <ul style="list-style-type: none"> This application reads uploaded machine data from your data repository to evaluate and process certain information presented in different views within this application. This application writes time series data into your time series data repository to keep the processed values available on a long-term basis. <p>Read access on your Asset configuration data</p> <ul style="list-style-type: none"> Read access on Asset configuration data is required in order to use the functionalities of this application.
General	<p>This application offers the ability to select a reading frequency from 5 sec up to 1 day and the possibility to add a maximum of 50 additional variables to the default configuration.</p> <p>Depending on the variable configuration used, limited data buffering is possible if an internet connection is not available.</p>

Pricing Model			
Fee	Registration of Asset	Maintenance	Operations
Price per Asset	2000 € ^{1,2}	36,67 €/month ^{1,2} 440€/year ³	16,67 €/month ^{1,2} 200€/year ³
Billing cycle	One time	Monthly recurring	Monthly recurring
<p>¹⁾ If a price is displayed in a different currency on the product detail page of Analyze MyPerformance /OEE-Monitor on www.mindsphere.io/store in your country of residence at the date of registration of the Asset, such price will be charged; ²⁾ Each registered Asset requires the payment of all three fee types of the price model; ³⁾ The price is shown for 12 months and charged monthly in arrears.</p>			
Registration Fee	Each Asset has to be registered to the application.		
Maintenance Fee	Starting with the month in which the Asset is registered to the application, this fee is charged on a monthly basis (full month principle) for each registered Asset for maintenance of the application and for keeping the application up-to-date.		
Operations Fee	Starting with the month in which the Asset is registered to the application, this fee is charged on a monthly basis (full month principle) for each registered Asset for availability and provisioning of the application to you.		
Payment Terms	<p>The registration fee is charged with registration of the Asset. The maintenance fees and operations fees are payable per Asset monthly in arrears.</p> <p>Once an Asset is disconnected from this application, all fees will be charged again for any reconnection of such Asset.</p>		
Adaptation of Fees	<p>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</p>		

	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.
Cancellation	You may cancel the registration of an Asset by disconnecting the Asset from the application at any time. The cancellation shall become effective at the end of the month in which the disconnection was conducted.

Specific Terms

Service Level Agreement	The Monthly Uptime Percentage for this application is 90 %. Monthly Uptime Percentage is defined in the MindSphere Supplemental Terms available on www.mindsphere.io/terms
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 www.mindsphere.io/terms . 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.
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 for AMP /OEE-Monitor are made available via the following web link: https://sie.ag/MindSphere-ThirdParty_AMP-OEE-Monitor
Changes to the Product Sheet & 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 www.mindsphere.io/terms
Subscription Term, Termination for convenience	The Subscription Term for this application ends with termination by you or us. You may terminate your subscription to this application for convenience with effect to the end of a month by giving us at least 60 days prior notice. We may discontinue the operation of the application by giving you at least 60 days’ notice prior to the planned discontinuation date. You are not entitled to register Assets after this notification. On the date of discontinuation, the Service is terminated and the regulations in the MindSphere Master Agreement regarding the effect of termination and post-termination phase apply.
Support	Support for this application may be contacted via Industry Online Support https://support.industry.siemens.com Support is available in English and German.

Export Control Regulations

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 MindAccess Account.
Encryption standard	TLS 1.2 for communication between Asset and MindAccess Account is used.

Definitions

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. Assets are defined using an Asset type.
General	All other capitalized terms in this document shall have the meaning given to them in the MindSphere Agreement.