

# SIMATIC Energy Manager

## Product Sheet



The MindSphere application SIMATIC Energy Manager provides additional transparency about energy consumption and energy flows on your machines, across manufacturing lines or entire sites.

SIMATIC Energy Manager helps you to increase energy efficiency by offering you different analytics for consumption, unit consumption, costs, and CO2 emissions. You can access either predefined or individual Key Performance Indicator (KPI) calculations and create customized visualizations.

Prerequisites	
Subscription	A valid MindSphere Capability Package (Basic/Standard/Premium) subscription is required.
Data access and data processing	The application may access, and process data stored in your existing Account (e.g. Base Environment or MindSphere Capability Package Account).
Web browser	An HTML5 capable Internet browser is required to configure and display KPIs and Dashboards on your PC or mobile device. Google Chrome and a screen resolution of 1920x1080 is recommended.
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	
General	SIMATIC Energy Manager supports energy KPI calculations based on your time series data and provides a flexible possibility to display the information in custom Dashboards. The Asset specific Media analysis helps you to detect inefficiencies and to develop energy efficiency measures.
Web-based user interface	This application offers a user interface accessible via a common web browser. Within this user interface, you can: <ul style="list-style-type: none"> <li>• Access the Asset model for navigation as well as configuring KPI Instances and Dashboards,</li> <li>• Set up and manage KPI Types and the associated KPI Instances,</li> <li>• Set up and manage custom Dashboards for an Asset,</li> <li>• Set up and manage the Asset and Variable configuration,</li> <li>• Set up and manage the consumed Media, the appropriate costs and CO2 emissions,</li> <li>• Analyze time series data or KPIs using the available Widget types such as chart, value, gauge, pie, or heat map.</li> <li>• Set up and manage reports.</li> </ul>

KPI usage and creation	<p>This application offers the possibility to define KPI Types which can be used to create KPI Instances assigned to individual Assets. Users can:</p> <ul style="list-style-type: none"> <li>• Create, modify, or delete KPI Types,</li> <li>• Create, modify, or delete KPI Instances by using an individual KPI Type and link specific Variables of an Asset to the appropriate Operands,</li> <li>• Create, modify, or delete KPI Instances by predefined KPI Types,</li> <li>• Get an overview of Variables or KPI Instances for an individual Asset,</li> <li>• Generate KPIs automatically such as unit consumption, costs, or CO2 emissions for the Media analysis of a configured Asset.</li> </ul>
Dashboarding	<p>Based on the flexible dashboarding of SIMATIC Energy Manager, Users can:</p> <ul style="list-style-type: none"> <li>• Set up and manage one or more Dashboards per Asset,</li> <li>• Configure the observation period per Dashboard,</li> <li>• Set up and manage one or more Widgets per Dashboard,</li> <li>• Use the Widgets as well as their detailed view for data analysis,</li> <li>• Use a pre-defined Dashboard for analyzing the energy consumption of an Asset including the related KPI Instances such as unit consumption, costs, or CO2 emissions.</li> </ul>
Reporting	<p>Based on the flexible reporting of SIMATIC Energy Manager, User can:</p> <ul style="list-style-type: none"> <li>• Set up and manage one or more reports per Asset,</li> <li>• Configure the observation period per report,</li> <li>• Define the cycle for the automatic generation of reports and assign one or more email recipients,</li> <li>• Configure the report template and link one or more KPI Instances or Variables to the report.</li> </ul>

Pricing Model					
Fee for	Application subscription	Extensions (optional)			
		Subscriptions			Usage-based
	3 Assets incl. 1 000 Energy Manager Email Notifications / month	5 additional Assets	20 additional Assets	100 additional Asset	1 additional Asset
Fee	382.80 €/year <sup>1,2</sup>	382.80 €/year <sup>1,2</sup>	1 272 €/year <sup>1,2</sup>	5 088 €/year <sup>1,2</sup>	6.90 €/month <sup>2</sup>
Billing cycle	Full amount in advance	Full amount in advance			Monthly in arrears
<p><sup>1)</sup> For final pricing confirmation, please see Order; <sup>2)</sup> If a price is displayed in a different currency (i) on the product detail page for SIMATIC Energy Manager on <a href="http://www.mindsphere.io/store">http://www.mindsphere.io/store</a> in your country of residence at the date of buying the application subscription or extensions or (ii) in the Order, such displayed price will be charged.</p>					
Application subscription	<p>The application subscription allows access and use of the application with up to 3 Assets for visualizing the condition of a single Asset e.g. a machine. One Asset includes up to 50 Variables and/or up to 50 KPI Instances used in the application. An Asset is enabled as soon as a KPI instance, a Variable limit validation, a Dashboard or a report is configured for the individual Asset.</p> <p>The application subscription allows also up to 1 000 Energy Manager Email Notifications per month. Energy Manager Email Notifications are not included in your MindSphere IIoT Data Package. Therefore, should the actual usage exceed the applicable limit, usage-based fee amounting to 0.5 €/1 000 Emails package will be charged on a monthly basis (monthly in arrears).</p>				
Extension subscriptions	<p>Additional fees will be applied (full amount in advance) for any extension subscription (i.e. additional Assets exceeding the number of Assets included in the application subscription).</p>				

Extension (usage-based)	<p>Additional usage-based fees will be applied (monthly in arrears) for each additionally enabled Asset exceeding the number of enabled Assets included in the application subscription or in any extension subscriptions. You may disable an Asset from the application at any time.</p> <p>For further details about calculation of usage-based fees please refer to Usage-based Calculation Methods for MindSphere Applications available at <a href="https://siemens.mindsphere.io/en/docs/Product-Descriptions-Overview/app-usage-based-calculation">https://siemens.mindsphere.io/en/docs/Product-Descriptions-Overview/app-usage-based-calculation</a>.</p>
Subscription Term	The standard Subscription Term for the application is 12 or 36 months, and extensions (excluding usage-based) are 12 months. The Subscription Term shall automatically renew if stated in the Order.
Co-term (renewal and termination)	<p>The Subscription Term for this application and its extensions (excluding usage-based extensions) will be co-termed with the Subscription Term of your existing MindSphere Capability Package, and therefore can be shorter than the standard Subscription Term.</p> <p>If an application subscription is terminated, the associated extensions will be terminated at the same time.</p>

## General

Service Level Agreement	The Monthly Availability for this application is 95 %. Monthly Availability is defined in the Cloud Services Support and Service Level Framework available at <a href="https://www.siemens.com/sw-terms/sla">https://www.siemens.com/sw-terms/sla</a> .
Application use rights	This application can be used as part of OEM Services as described in the MindSphere Supplemental Terms available on <a href="http://www.siemens.com/sw-terms/supplements">www.siemens.com/sw-terms/supplements</a> .
Third-Party Terms	The Third-Party Terms for SIMATIC Energy Manager are made available via the following web link: <a href="https://siemens.mindsphere.io/en/docs/Product-Descriptions-Overview/Third-Party-Terms">https://siemens.mindsphere.io/en/docs/Product-Descriptions-Overview/Third-Party-Terms</a> .
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> <p>Support is available in English and German.</p>

## Export Control Regulations

AL	N
ECCN	N

## 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.

## Definitions

Asset	An Asset is the logical representation of a thing which for the purposes of this application is a machine.
Dashboard	Custom view assigned to an Asset where different Widgets can be added for a quick overview of the Variables and KPIs.
Energy Manager Email Notification	Enables sending emails in relation to certain events defined by a User e.g. sending a monthly report to individual recipients.

KPI Instance	Instance of a KPI Type assigned to a specific Asset. Its Operands are connected to the Asset specific time series data in your Account.
KPI Type	Basic formula/algorithm that defines how e.g. unit consumption, costs or CO <sub>2</sub> emission of your Assets is calculated. Serves as a template for Asset specific KPI Instances.
Media	Media is a form of energy such as gas, water, electricity, steam. An Asset can consume one or more Media.
Operand	Input parameter for a KPI Type.
Variable	Data point of a configured Asset.
Widget	Configurable, resizable Dashboard tile that displays information in a specific way, e.g. chart, value.
General	Unless otherwise indicated, capitalized terms used in this document shall have the meaning given to them in this Product Sheet or elsewhere in the Agreement. You may also want to check our <a href="#">Glossary</a> .