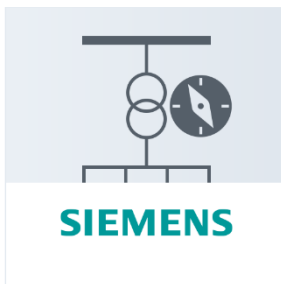


SICAM Navigator

Product Sheet and Specific Terms



SICAM Navigator is a cloud-based application which enables power grid operators to monitor the operational status of transformer stations (cable networks) using SICAM A8000 devices to optimize maintenance activities and reduce operational expenditure (OPEX).

Prerequisites	
Subscription	A valid MindAccess IoT Value Plan (Small/Medium/Large) subscription is required.
Hardware	This application is only compatible with data provided by automation and remote terminal units from the SICAM A8000 device series including CP-8000, CP-8021 and CP-8022 and CP-8050. There are no restrictions concerning specific hardware versions.
Software	<p>The SICAM A8000 device needs to be equipped with the IoT protocol driver:</p> <ul style="list-style-type: none"> • “OPUPI0 AMQP/MQTT (IOT)” for CP-8050 • “OPUPT0 AMQP/MQTT (IOT)” for CP-8000, CP-8021, CP-8022 <p>The minimum protocol firmware version required to enable communication with your MindSphere Account is v03 or higher.</p> <p>The following SICAM A8000 engineering software can be used for the configuration of the IoT communication protocol (OPC UA PubSub):</p> <ul style="list-style-type: none"> • SICAM TOOLBOX II v6.02 or higher • SICAM Device Manager v2.10 or higher • SICAM Web v5.10 or higher
Operating systems and web browsers	SICAM Navigator is a web-based application specifically optimized for use on Windows Desktop PCs or tablets running Google Android or Apple iOS operating systems. The application requires at least Android 7.0 or iOS 12.2 (for tablets) and a recent version of Google Chrome, Apple Safari, Mozilla Firefox or Opera.

General

SICAM Navigator

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 the MindSphere Launchpad.

Size Overview

SICAM Navigator	Small	Medium	Large
Maximum number of SICAM A8000 devices	50	250	1000
Authorized limits	Should the actual usage of your application size repeatedly exceed one or more of the applicable limits above (e.g. the maximum number of SICAM A8000 devices for your application size), and should you not order the appropriate increase of usage capacities for an additional fee, we reserve the right to suspend the Service. Other contractual rights and remedies remain unaffected.		

SICAM Navigator – Features

Grid overview and alarms

Shows all digitalized transformer stations in a map view with a list of alarms occurred within the selected time frame. All stations with an active alarm (e.g. a fault) are highlighted in the map.

The User can select an alarm from the list and the map will zoom to all stations belonging to that alarm.

Additionally, non-digitalized stations can also be added to the map as “incoming feeder” or “normal station”. The User can configure the power grid topology by connecting the stations to each other in the map.

Station details

Shows an abstract single line chart of 2-feeder (RRT) or 3-feeder (RRRT) transformer stations with recent measurements on medium and low voltage side. Additionally, the position and state of all switches and fuses are shown in the single line chart.

Measurement details

Shows all recent power and temperature measurements on medium and low voltage side. The available data can be visualized in charts with a configurable time frame.

E-mail notifications

The User can register an e-mail address for receiving e-mail notifications in case of an alarm. This e-mail includes:

- The name and the location of the station
- The name of the alarm
- A link to the station in Google maps
- A link to the SICAM Navigator application

Please note that notifications sent through this Service may be blocked, delayed or prevented from being delivered by destination servers and other reasons outside of our control and there is no warranty that this Service will be uninterrupted, secure or error free or that notifications will reach their intended destination during any stated time-frame.

Application permissions	<p>This application is operated in data centers in Germany and processes the following data:</p> <ul style="list-style-type: none"> • Time series data which includes the variables received from a device within defined continuous time cycles. • Device configuration data which describes the device (e.g. device name, location). <p>This application performs the following activities which modify or amend Your Content in your MindAccess Account on your behalf:</p> <ul style="list-style-type: none"> • Read uploaded device data from your data repository to evaluate and process certain information presented in different views in this application itself. This data will be stored to show the processed values in the different application views. • The device location will be stored in the device configuration section of your data repository if set via the SICAM Navigator application.
-------------------------	---

Specific Terms	
Subscription Term, termination for convenience	<p>Subscription Term for this application is 1 month with automatic renewal. The Subscription Term 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.</p>
Payment terms	<p>The fee for the available application sizes is charged monthly in advance.</p>
Service Level Agreement	<p>The Monthly Uptime Percentage for this application is at least 90%. Monthly Uptime Percentage is defined in the MindSphere Supplemental Terms available on www.mindsphere.io/terms.</p>
Data use rights	<p>During and after the term of the agreement, 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.</p> <p>"Collected Data" means the following data collected by this application: Time series data relating to device operation and configuration. 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 & Specific Terms.</p>
Third Party Terms	<p>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: https://sie.ag/MindSphere-ThirdParty_SICAMNavigator.</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 imposed by our subcontractors (including changes in open source software license terms) or when we introduce new features, supplements, enhancements or</p>

	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 .
Support	Support for this application is available 24 hours a day in English and German. Support requests can be addressed to the Customer Support Center (CSC) of Siemens: Phone: +49 180 524 7000 Fax: +49 180 524 2471 E-Mail: support.energy@siemens.com For more information, refer to http://www.siemens.com/csc .

Export Control Regulations

AL	N
ECCN	EAR99

Security Information

Secured IoT connectivity	A secured communication channel is established from the SICAM A8000 device to MindSphere. The TLS (Transport Layer Security) protected communication uses state-of-the-art security mechanisms, e.g. by use of X.509 certificates signed by your own Certification Authority (CA). The certificate of your own Certification Authority (CA) needs to be assigned to your MindAccess IoT Value Plan to ensure that IoT data received from your SICAM A8000 devices is correctly stored in your data repository.
General	In order to protect substations, systems, machines and networks against cyber threats, it is necessary that you implement a holistic, state-of-the-art substation security concept and continuously maintain the same. For more information, refer to www.siemens.com/gridsecurity .

Definitions

General	All capitalized terms in this document shall have the meaning given to them in the MindSphere Agreement.
---------	--