SIWA Pump Guardian Package
Product Sheet and Specific Terms

SIWA Pump Guardian is a MindSphere application that visualizes and analyzes data collected from sewage water pumping stations equipped with SIMOCODE pro V PN as a motor control unit.

The SIWA Pump Guardian Package consists of the MindSphere application SIWA Pump Guardian and selected MindSphere Resources which are required to access the Platform and to utilize the application.

Prerequisites	
Hardware	In order to use the SIWA Pump Guardian application, your devices must be connected to the Platform. The following specific hardware is required: • SIMOCODE pro V PN as pump control unit, • MindConnect IoT2040 for cloud connection. Connectivity is not part of our Services. It is your responsibility to select, procure, configure, onboard and operate such connectivity.
Internet connection	Internet connection between pumping station and cloud is required.
On-site measurements	1 level sensor per site is required to measure the tank level.
Meta data	Analytics performed by the application require site-specific data such as tank volume and height, pipe characteristics, etc.
Onboarding and configuration	SIWA Pump Guardian application requires onboarding and configuration activities to ensure proper functionality. These are not part of SIWA Pump Guardian Package and can be ordered from Siemens under separate terms and conditions.
Web browser	An up-to-date Chrome Internet browser with a screen resolution of 1920x1080 is required.

Description of SIWA Pump Guardian application	
General	SIWA Pump Guardian application visualizes and analyzes data collected from sewage pumping stations equipped with SIMOCODE pro V PN as a motor control unit and MindConnect IoT2040 as a MindSphere connectivity agent.
Max. number of assets/sites	Our standard SIWA Pump Guardian application is sized to a maximum of • 50 sites • 150 pumps

	• 5 pumps per site Please contact Siemens Sales directly, if your ambition is to install SIWA Pump Guardian for a higher number of sites / assets. Sites with more than 5 pumps can be split into 2 or more sites.
Application permissions	This application is operated in data centers in the European Union and processes the following data: • Time series data which include the variables received from an asset within defined continuous time cycles, • Asset configuration data which describe the asset (e.g. asset name, location, dimensions), • User data (username (given name and surname), email address, language). The application performs the following activities which modify or amend Your Content in your Account on your behalf: • Read access on your time series data (to evaluate and process certain information presented in different views within this application), • Read access on your asset configuration data (to use the functionalities of this application), • Write access on your time series data (to store processed information for visualization, event creation, etc.).

Description of MindSphere Resources

The following MindSphere resources and MindSphere core Applications ("MindSphere Resources") are included in the SIWA Pump Guardian Package. These have been selected to ensure proper operation of the application.

Base Tenant	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. The Base Tenant includes 1 Admin User and provides you with the following administration tools available on the MindSphere Launchpad: • Usage Transparency: provides information regarding your consumption of MindSphere Resources. • Settings: allow managing Users, permissions, rights, roles, groups, Collaborations, subtenants[1] 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[1]. • Asset Manager: use Asset Manager to onboard & 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[1] who receive a service from you to directly access the Asset Manager in relation to the respective subtenant[1]. • 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).
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 (e.g. MindConnect IoT2040) 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 Type	Asset type describes the type of an asset (e.g. a generic motor) 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.
Asset Instance	Asset instance reflects a physical and/or logical device within your Account, e.g. a specific power meter within a factory would be an asset instance. Each instance belongs to an asset type.
Time Series Data Ingest Rate	Time series data ingest rate represents the rate at which the sensor data is ingested into the Platform. Data ingest is based on number of assets, number of variables per asset, size per variable including overhead, read cycle interval and sending frequency. This depends on the size of the requests containing time series sent from you 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 ingested and stored in the Platform for an Account.
Event	An event documents the occurrence of a defined situation (e.g. high pump utilization detected).
Fleet Manager	Fleet Manager allows you to display and monitor measured data and information from your Assets at one central point. The Specific Terms and Third Party Terms set out in the MindSphere Supplemental Terms for Fleet Manager and Rules in Fleet Manager available on www.mindsphere.io/terms apply.

[1] Please note that subtenants are not part of the SIWA Pump Guardian Package. Subtenants can be ordered separately for additional fees and can be used for OEM Services as described in the Specific Terms for MindAccess IoT Value Plan available on www.mindsphere.io/terms. If you provide your customers with OEM Services, the Specific Terms for MindAccess IoT Value Plan available on www.mindsphere.io/terms shall apply accordingly as if you had subscribed to a MindAccess IoT Value Plan.

SIWA Pump Guardian Package Overview

Should the actual usage of your Package size repeatedly exceed one or more of the applicable limits below (e.g. the number of Users for your Package 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.

Base subscription	Entry	Small
SIWA Pump Guardian application	✔	✔
Base Tenant[1]	✔	✔
Users	3	5
Agents	10 (up to 10 sites)	50 (up to 50 sites)
Asset Types	3	3
Asset Instances	50 (up to 20 pumps)	250 (up to 100 pumps)
Time Series Data Ingest Rate	2.3 KB/s	11.1 KB/s
Time Series Data Storage[2]	66 GB	328 GB

Events[2]	54 000	270 000
Fleet Manager	✔	✔

MindSphere Resources Upgrades		

You can use the Upgrade tool to add additional MindSphere Resources (e.g. increase Users, asset instances, asset types). For the Users and the Asset Instance Upgrade to take effect, additional onboarding tasks are required. Asset Type Upgrade will have no effect on application functionality.

[1] You can decide if a Base Tenant shall be created and provisioned to you as part of your SIWA Pump Guardian Package base subscription or if the SIWA Pump Guardian Package (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;[2] Time Series Data Storage and Event capacity displayed above will suffice for data collected in the 1st year. Accumulating data beyond 1 year will require purchasing of Time Series Storage and Event Upgrade.

Specific Terms	
Subscription Term	The initial Subscription Term for SIWA Pump Guardian Package (Entry/Small) 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 www.mindsphere.io/terms, 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.
Payment terms	The subscription fee for SIWA Pump Guardian Package (Entry/Small) is charged yearly in advance.
Data center location	Your Content processed by the MindSphere Resources is stored at rest in the Area European Union as set out in the MindSphere Supplemental Terms available on www.mindsphere.io/terms.
Adaptation of fees	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. 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.
Service Level Agreement	The Monthly Uptime Percentage for the SIWA Pump Guardian Package is 90%. Monthly Uptime Percentage is defined in the MindSphere Supplemental Terms available on www.mindsphere.io/terms.
Data use rights	"Collected Data" means the following data collected by this application: • Any data collected from sites (both process and device data), • Processed data (KPIs, events, etc.), • Log data (app log, system log) without personal data. 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 and Specific Terms.

	During and after the Subscription Term, Siemens and its business partners may use Collected Data for Siemens' internal purposes (e.g. development or improvement of products or services). On an aggregated basis with other data and in a form that does not identify you and your Users, Siemens shall own and be free to make Collected Data publicly available to you and others (e.g. for information and industry trends, benchmarking data). Use of Collected Data in accordance with this Section will be at Siemens' risk.
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 SIWA Pump Guardian application are made available via the following web link: https://sie.ag/MindSphere-ThirdParty_SIWAPumpGuardian.
Confidential information	For the avoidance of doubt, the data provided by Siemens or generated as part of this Service constitutes our Confidential Information as this term is defined in the MindSphere Master Agreement. This includes, but is not limited to: • Rainfall data • Events generated by the application
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 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 www.mindsphere.io/terms.
Support	Support is available in English and German via email SIWA_pump_guardian.support.industry@siemens.com. Usual reaction times are 48 hours, from Monday to Friday – excluding national and local holidays.

Export Control Regulations

Applicable for SIWA Pump Guardian application and MindSphere Resources.

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

Definitions	
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	Unless otherwise indicated, capitalized terms used in this document shall have the meaning given to them in this Product Sheet and Specific Terms or elsewhere in the MindSphere Agreement.

www.mindsphere.io/terms