

Water Quality Inspector Package

Product Sheet and Specific Terms



This MindSphere application Water Quality Inspector provides insight into water quality Key Performance Indicators' (KPI) and trends in operating your clean water network. By deploying water quality sensors at key points in your network, you can optimize operating parameters to reduce risks of water quality incidents. The Water Quality Inspector Package consists of the MindSphere application Water Quality Inspector and selected MindSphere Resources which are required to access the Platform and to utilize the application.

Prerequisites	
Data	<p>Water Quality Inspector requires water quality data to be measured at either 5 or 15 minute interval resolution. At minimum this must include Turbidity and Chlorine data.</p> <p>Support with deployment of water quality sensors and MindSphere connectivity are not part of Water Quality Inspector Package. These can be ordered from Siemens under separate terms and conditions. Data provided from other sources, such as existing telemetry systems, may require conversation to supported units. For example, level data must be supplied as a percentage.</p>
Asset location	<p>Water Quality Inspector requires location data for each Site either as Latitude and Longitude or as Easting and Northing coordinates.</p>
Meta data	<p>Analytics performed by the application may require Site-specific data such as network location and pipe/tank specifications. If meta data is unavailable, affected analytics will not be available.</p>
Local rainfall data	<p>Water Quality Inspector requires rainfall radar data to calculate some analytics. For UK based Sites, Siemens uses an external provider for this information. Please contact the product team using the email address support.lighthouse.gb@siemens.com to discuss the provisioning of this data if:</p> <ul style="list-style-type: none"> You are not based in the UK, You wish to use your own data source, such as an internal database.
Web browser	<p>An up-to-date Chrome Internet browser with a screen resolution of 1920x1080 is required.</p>

Configuration	The Water Quality Inspector application requires onboarding and configuration activities to ensure proper functionality. These are not part of Water Quality Inspector Package and can be ordered from Siemens under separate terms and conditions.
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Description of Water Quality Inspector Application

General	<p>Water Quality Inspector provides insight into water quality parameters and trends in the form of events.</p> <p>These events are only provided as recommendations. Any decision, action or inaction taken as a result of these notifications is solely your responsibility.</p>
Application permissions	<p>This application is operated in data centers in the Area European Union and processes the following data:</p> <ul style="list-style-type: none"> • 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). • User data (username (given name and surname), email address, language). <p>The application performs the following activities which modify or amend Your Content in your Account on your behalf:</p> <ul style="list-style-type: none"> • Read and write access on your time series data (to generate and display analytics). • Read access on your asset configuration data (to use the functionalities of this application). • Write access on your asset types configuration (to automatically create asset types in your tenant).

Description of MindSphere Resources

Depending on your subscription (please see Water Quality Inspector Package Overview below), the following MindSphere resources (“MindSphere Resources”) are included in the Water Quality Inspector Package. These have been selected to ensure proper operation of the application.

Base Tenant	<p>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.</p> <p>The Base Tenant includes 1 Admin User and provides you with the following administration tools available on the MindSphere Launchpad:</p> <ul style="list-style-type: none"> • Usage Transparency: provides information regarding your consumption of MindSphere Resources. • Agent Diagnostic: allows you to activate and deactivate agent logfiles and to access them. • Settings: allow managing Users, permissions, rights, roles, groups, Collaborations, subtenants¹ 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 subtenant¹. • 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
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	<p>subtenant¹ who receive a service from you to directly access the Asset Manager in relation to the respective subtenant¹.</p> <ul style="list-style-type: none"> • 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	<p>Asset type describes the type of an asset (e.g. a service reservoir) 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.</p> <p>An asset type is a grouping of assets with common characteristics that distinguish those assets as a group or class.</p>
Asset Instance	Asset instance reflects a physical and/or logical device within your Account, e.g. a specific monitoring location within the network. 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.
IoT File Storage	IoT file storage represents the total volume of files (e.g. threshold settings, Users to be notified) uploaded and stored in the Platform for an Account.
Events	An event documents the occurrence of a defined situation (e.g. a threshold alarm from a water quality sensor).

¹⁾ Please note that subtenants are not part of the Water Quality Inspector 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. However, please note that the Water Quality Inspector Package may not be used for OEM Services.

Water Quality Inspector Package Overview

Different sizes of the Water Quality Inspector Package are available. You are only authorized to use the Water Quality Inspector Package in accordance with the size to which you hold a valid subscription.

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	Small	Medium
Water Quality Inspector application	✓	✓
Base Tenant ¹	✓	✓

Users	20	20
Agent	1	1
Asset Types	10	10
Asset Instances	75 (up to 25 Sites)	600 (up to 200 Sites)
Time Series Data Ingest Rate	0.27 KB/s	2.16 KB/s
Time Series Data Storage ²	9 GB	72 GB
IoT File Storage	1 GB	8 GB
Events	10 000	80 000

MindSphere Upgrades

You can use the Upgrade tool to add additional MindSphere Resources (e.g. increase Users, asset instances, asset types). For 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 Water Quality Inspector Package base subscription or if the Water Quality Inspector 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 capacity displayed above will suffice for data collected in the 1st year assuming data is collected at 5 minute intervals. Accumulating data beyond 1 year will require purchasing of Time Series Storage Upgrade.

Specific Terms

Subscription Term	The initial Subscription Term for Water Quality Inspector Package 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 Water Quality Inspector Package 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	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. During a running 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.

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 .
Data use rights	<p>“Collected Data” means the following data collected by this application:</p> <ul style="list-style-type: none"> • Any device data collected from the asset (timeseries, alarms, etc.), • Historical data provided to Siemens for the purpose of configuring Water Quality Inspector, • Static reference data related to the asset (location, name, etc.), • Processed data (timeseries, Events, comments, etc.), • Log data (app log, system log) without personal data. <p>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.</p> <p>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.</p>
Confidential Information	<p>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 MMA. This includes, but is not limited to:</p> <ul style="list-style-type: none"> • Rainfall data, • Events generated by the application.
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 for Water Quality Inspector application are made available via the following web link: https://sie.ag/MindSphere-ThirdParty_WaterQualityInspectorPackage.</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 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.</p>
Support	<p>Support is available in English via e-mail support.lighthouse.gb@siemens.com. Usual reaction times are 48 hours, from Monday to Friday – excluding national and local holidays.</p>

Export Control Regulations

Applicable for Water Quality Inspector 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.

Defintions

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.

Site

In the context of the Water Quality Inspector application, a Site is defined as a location equipped with a number of water quality sensors connected to MindSphere by a single Remote Telemetry Unit (RTU).

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.