

# NXpower Monitor Package Product Sheet



The MindSphere application NXpower Monitor (NXpM) enables you to visualize and monitor electrical Assets within a substation continuously from anywhere in the world, e.g. air- and gas-insulated (AIS and GIS) medium-voltage (MV) switchgears as well as low-voltage (LV) switchgears. NXpower Monitor is an application configurable for system and solution type of business, which involves more than one component and system.

Thanks to increased transparency, organizations can optimize their Operating Expenses (OPEX) and simultaneously achieve better risk management.

The NXpower Monitor Package consists of the MindSphere application NXpower Monitor and selected MindSphere Resources which are required to access the Platform and to utilize the application.

| Prerequisites       |   |
|---------------------|---|
| Hardware            | This application is only compatible with data provided through SICAM A8000 device series including CP-8031 and CP-8050 with support to SIAPP function (NXpower Monitor specific).   |
| Software            | To enable communication with your MindSphere Account, the SICAM A8000 device needs to be equipped with the IoT protocol driver: <ul style="list-style-type: none"> <li>• "OPUPIO AMQP/MQTT (IOT) and SIAPP (NXpower Monitor specific)" for SICAM A8000 CP-8050, CP-8031.</li> </ul> The minimum protocol firmware version required is v03 or higher. The following SICAM A8000 engineering software can be used for the configuration of the IoT communication protocol (MindConnect Lib): <ul style="list-style-type: none"> <li>• SICAM TOOLBOX II v6.02 or higher</li> <li>• SICAM Device Manager v2.10 or higher</li> <li>• SICAM Web v5.10 or higher</li> </ul> SICAM A8000 devices and their configuration and onboarding are not part of our Offering. |
| Subscriptions       | A valid subscription related to the corresponding extension in Asset Transparency is required when purchasing extensions related to Condition Monitoring (Temperature and Mechanical Operation Counter Monitoring, Partial Discharge Monitoring, Circuit Breaker Monitoring).   |
| Web browser         | An HTML5 capable Internet browser with latest version is required (e.g. Google Chrome). The recommended screen resolution is 1024x768 or higher.  |
| Internet connection | A secured, firewalled Internet connection (Port: 9400) between your process LAN and SICAM A8000 device is required to establish a connection to the NXpower Monitor application in MindSphere, in compliance with cybersecurity regulations.  |

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|  | <p>The settings shall be implemented in consultation with local IT expert and may vary based on the IT Infrastructure.</p> <p>The bandwidth of your Internet connection will determine your experience of the performance of the Offerings.</p> |
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## Description of NXpower Monitor Application

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| General              | <p>NXpower Monitor supports Key Performance Indicator (KPI) calculation and monitoring of your time series and alarm data from electrical distribution Assets. Different views provide you with an overview of your Substation Assets on different hierarchy levels.</p> <p>In addition to Asset Transparency, the Maintenance and Condition Monitoring View are available. The Condition Monitoring View consists of three different options: Temperature and Mechanical Operation Counter Monitoring, Partial Discharge Monitoring and Circuit Breaker Monitoring.</p>  |
| Asset Transparency   | <p>Asset Transparency consists of the geographical, management and operational view. This enables you to visualize and monitor electrical Assets within a substation continuously from anywhere in the world. Get an overview representation of all connected substations in a map view and select a Substation to get a summary including high-level KPIs about connected Assets. You can deep dive into an Asset and all relevant data about different Feeders and operational data of switchgear will be shown (operational view). You can monitor Asset performance through KPIs. The available data can be visualized in different charts with configurable time frame. In addition, Asset Transparency also provides a central repository system for documentation related to the connected Assets and Substations, e.g. single line diagram, bill of material, dimensional drawings, maintenance reports, operational reports etc. as well as user manuals.</p> <p>Furthermore, Asset Transparency allows you to make comparisons between connected Substations and Assets to find correlation and root causes in energy consumption data.</p> |
| Maintenance View     | <p>Maintenance View provides deeper information about the alarms triggered from connected Assets, e.g. from protection relays, in addition with statistical analysis and trends of the alarms.</p> <p>You can register an email address for receiving email notifications in case of an alarm. This email includes:</p> <ul style="list-style-type: none"> <li>• The name and location of Substation and/ or switchgear</li> <li>• The name of the alarm</li> </ul> <p>The Maintenance View includes a Maintenance Planner to organize and visualize the maintenance measures for the Assets.</p>   |
| Condition Monitoring | <p>Customer gets detailed information along with indications about the health status of the Asset based on different condition monitoring options such as temperature, operation counter, humidity, circuit breaker and partial discharge monitoring based on the availability of the respective sensors. The information provided on the health status of the Assets is merely indicative and not binding to you. However, this can be used as guidance in assessing the risk associated with Assets. This might help customers in scheduling the maintenance as well as taking decisions regarding replacing the parts/components/Assets itself.</p>  |

## Description of MindSphere Resources

The following MindSphere resources (“MindSphere Resources”) are included in the NXpower Monitor Package or its extensions. These have been selected to ensure proper operation of the application.

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| <p>Base Environment</p>                | <p>The Base Environment provides you with a dedicated Account (also referred to as “Environment”) 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 Environment includes 1 Admin User and provides you with the following administration tools available on the MindSphere Launchpad:</p> <ul style="list-style-type: none"> <li>• Usage Transparency: provides information regarding your consumption of MindSphere Resources.</li> <li>• Agent Diagnostic: allows you to activate and deactivate agent logfiles and to access them.</li> <li>• Settings: allow managing Users, permissions, rights, roles, groups, Collaborations, and environment provider information. For every User, an individual login is required. Access policies are available only upon request. MindSphere sales representative or MindSphere Support to be contacted to enable use of access policies.</li> <li>• Asset Manager: use Asset Manager to onboard &amp; offboard agents to your Account; to configure assets, asset types and aspect types; to manage the Sharing of assets under a Collaboration between Accounts using Cross-Tenancy.</li> <li>• Upgrade: can be used to order available upgrades (incl. add-ons) to already Offerings; to get an overview of requested and completed upgrades; to manage pending upgrade requests (authorized Users only).</li> </ul> <p>The Base Environment provides you with the following connectivity “Connect your Things” capabilities as well:</p> <ul style="list-style-type: none"> <li>• To connect assets using own PC as a gateway with MindConnect Software Agent.</li> <li>• To connect individual hardware using MindConnect API services, MindConnect MQTT Services, MindConnect OPC UA PubSub Services and MindConnect Library.</li> <li>• To use MindConnect Hardware e.g. MindConnect Nano, MindConnect IoT2040, MindConnect IoT2050.</li> <li>• Zero touch onboarding using MindConnect OPC UA PubSub Services and MindConnect MQTT Services.</li> <li>• To maintain connected devices by using MindConnect Device Management Services.</li> </ul> <p>For more information regarding Connect your Things capabilities, please refer to the Product Sheet for MindSphere Capability Packages available at <a href="https://siemens.mindsphere.io/en/docs/Product-Descriptions-Overview/MindSphere-Product-Sheets">https://siemens.mindsphere.io/en/docs/Product-Descriptions-Overview/MindSphere-Product-Sheets</a>.</p> |
| <p>Additional MindSphere Resources</p> | <p>In addition to the Base Environment, the following MindSphere Resources are included in the NXpower Monitor Package and its extensions:</p> <ul style="list-style-type: none"> <li>• Asset Attributes</li> <li>• File Storage</li> <li>• Notification Email</li> <li>• Time Series Data Ingest Rate</li> <li>• Time Series Data Storage</li> </ul> <p>For general descriptions of the MindSphere Resources listed above, please refer to the MindSphere <a href="#">Glossary</a>.</p>  |

| Pricing Model            |                                 |
|--------------------------|---------------------------------|
| Application subscription | NXpower Monitor Package Starter |
|                          | for 1 Substation                |

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| Fee  | See Order <sup>1</sup>                            |   |
| The application subscription allows access to the application NXpower Monitor for 1 Substation, including the Base Environment and MindSphere Resources suitable to connect 1 Substation to the Platform.  |   |   |
| NXpower Monitor application  | ✓   |   |
| Base Environment <sup>2</sup>  | ✓   |   |
| Asset Attributes   | 43  |   |
| Time Series Data Storage   | 0.5 GB  |   |
| Time Series Data Ingest Rate   | 0.01 KB/s   |   |
| File Storage   | 10 GB   |   |
| <b>Extension (for application and MindSphere Resources)</b>  | <b>NXpM Substation Extension</b>                  |   |
|  | <b>Subscription</b>                               |   |
|  | for 1 additional Substation                       |   |
| Fee  | See Order <sup>1</sup>                            |   |
| The NXpM Substation Extension provides you with 1 additional Substation, including MindSphere Resources suitable to connect 1 additional Substation to the Platform.   |   |   |
| Asset Attributes   | 43 additional Asset Attributes                    |   |
| Time Series Data Storage   | 0.5 GB additional Time Series Data Storage        |   |
| Time Series Data Ingest Rate   | 0.01 KB/s additional Time Series Data Ingest Rate |   |
| File Storage   | 10 GB additional File Storage                     |   |
| <b>Extension (for application and MindSphere Resources)</b>  | <b>NXpM Transparency AIS, single</b>              |   |
|  | <b>Subscription</b>                               | <b>Subscription</b>                               |
|  | 1 additional Feeder                               | 50 additional Feeders                             |
| Fee  | See Order <sup>1</sup>                            | See Order <sup>1</sup>                            |
| The extension NXpM Transparency AIS, single (NXpower Monitor Package Asset Transparency for MV-Feeder (single busbar, AIS)) provides you with 1 or 50 additional Feeder(s) Asset Transparency of a medium-voltage air-insulated single busbar switchgear and contains the following additional MindSphere Resources suitable to connect 1 or 50 additional medium-voltage Feeder(s) (single busbar, air-insulated) to the Platform, depending on the selected package. |   |   |
| Asset Attributes   | 30 additional Asset Attributes                    | 1 500 additional Asset Attributes                 |
| Time Series Data Storage   | 0.5 GB additional Time Series Data Storage        | 10 GB additional Time Series Data Storage         |
| Time Series Data Ingest Rate   | 0.08 KB/s additional Time Series Data Ingest Rate | 3.68 KB/s additional Time Series Data Ingest Rate |
| <b>Extension (for application and MindSphere Resources)</b>  | <b>NXpM Transparency GIS, single</b>              |   |
|  | <b>Subscription</b>                               | <b>Subscription</b>                               |
|  | 1 additional Feeder                               | 50 additional Feeders                             |
| Fee  | See Order <sup>1</sup>                            | See Order <sup>1</sup>                            |
| The extension NXpM Transparency GIS, single (NXpower Monitor Package Asset Transparency for MV-Feeder (single busbar, GIS)) provides you with 1 or 50 additional Feeder(s) Asset Transparency of a medium-voltage gas-insulated single busbar switchgear and contains the following additional MindSphere Resources suitable to connect 1 or 50 additional medium-voltage Feeder(s) (single busbar, gas-insulated) to the Platform, depending on the selected package. |   |   |
| Asset Attributes   | 38 additional Asset Attributes                    | 1 900 additional Asset Attributes                 |
| Time Series Data Storage   | 0.5 GB additional Time Series Data Storage        | 10 GB additional Time Series Data Storage         |
| Time Series Data Ingest Rate   | 0.08 KB/s additional Time Series Data Ingest Rate | 3.71 KB/s additional Time Series Data Ingest Rate |

| Extension (for application and MindSphere Resources)  | NXpM Transparency GIS, double                     |   |
|---|---|---|
|   | Subscription                                      | Subscription                                      |
|   | 1 additional Feeder                               | 50 additional Feeders                             |
| Fee   | See Order <sup>1</sup>                            | See Order <sup>1</sup>                            |
| The extension NXpM Transparency GIS, double (NXpower Monitor Package Asset Transparency for MV-Feeder (double busbar, GIS)) provides you with 1 or 50 additional Feeder(s) Asset Transparency of a medium-voltage gas-insulated double busbar switchgear and contains the following additional MindSphere Resources suitable to connect 1 or 50 additional medium-voltage Feeder(s) (double busbar, gas-insulated) to the Platform, depending on the selected package.                      |   |   |
| Asset Attributes  | 69 additional Asset Attributes                    | 3 450 additional Asset Attributes                 |
| Time Series Data Storage  | 0.5 GB additional Time Series Data Storage        | 13.5 GB additional Time Series Data Storage       |
| Time Series Data Ingest Rate  | 0.11 KB/s additional Time Series Data Ingest Rate | 5.19 KB/s additional Time Series Data Ingest Rate |
| Extension (for application and MindSphere Resources)  | NXpM Temperature AIS                              |   |
|   | Subscription                                      | Subscription                                      |
|   | 1 additional Feeder                               | 50 additional Feeders                             |
| Fee   | See Order <sup>1</sup>                            | See Order <sup>1</sup>                            |
| The extension NXpM Temperature AIS (NXpower Monitor Package Temperature and Mechanical Operation Counter Monitoring for MV-Feeder (AIS)) provides you with 1 or 50 additional Feeder(s) Temperature and Mechanical Operation Counter Monitoring of a medium-voltage air-insulated switchgear and contains the following additional MindSphere Resources suitable to connect 1 or 50 additional medium-voltage Feeder(s) (air-insulated) to the Platform, depending on the selected package. |   |   |
| Asset Attributes  | 9 additional Asset Attributes                     | 450 additional Asset Attributes                   |
| Time Series Data Storage  | 0.5 GB additional Time Series Data Storage        | 5.5 GB additional Time Series Data Storage        |
| Time Series Data Ingest Rate  | 0.05 KB/s additional Time Series Data Ingest Rate | 2.02 KB/s additional Time Series Data Ingest Rate |
| Extension (for application and MindSphere Resources)  | NXpM Temperature GIS                              |   |
|   | Subscription                                      | Subscription                                      |
|   | 1 additional Feeder                               | 50 additional Feeders                             |
| Fee   | See Order <sup>1</sup>                            | See Order <sup>1</sup>                            |
| The extension NXpM Temperature GIS (NXpower Monitor Package Temperature and Mechanical Operation Counter Monitoring for MV-Feeder (GIS)) provides you with 1 or 50 additional Feeder(s) Temperature and Mechanical Operation Counter Monitoring of a medium-voltage gas-insulated switchgear and contains the following additional MindSphere Resources suitable to connect 1 or 50 additional medium-voltage Feeder(s) (gas-insulated) to the Platform, depending on the selected package. |   |   |
| Asset Attributes  | 5 additional Asset Attributes                     | 250 additional Asset Attributes                   |
| Time Series Data Storage  | 0.5 GB additional Time Series Data Storage        | 3.5 GB additional Time Series Data Storage        |
| Time Series Data Ingest Rate  | 0.03 KB/s additional Time Series Data Ingest Rate | 1.22 KB/s additional Time Series Data Ingest Rate |
| Extension (for application and MindSphere Resources)  | NXpM Temperature AIS, add.                        |   |
|   | Subscription                                      | Subscription                                      |
|   | 1 additional Feeder                               | 50 additional Feeders                             |
| Fee   | See Order <sup>1</sup>                            | See Order <sup>1</sup>                            |
| The extension NXpM Temperature AIS, add. (NXpower Monitor Package Temperature and Mechanical Operation Counter Monitoring (additional sensors on bushing side) for MV-Feeder (AIS)) provides you with 1 or 50 additional Feeder(s) Temperature and Mechanical Operation Counter Monitoring (additional sensors on bushing side) of a medium-voltage air-  |   |   |

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|---|---|---|
| insulated switchgear and contains the following additional MindSphere Resources suitable to connect 1 or 50 additional medium-voltage Feeder(s) (air-insulated) to the Platform, depending on the selected package.   |   |   |
| Asset Attributes  | 12 additional Asset Attributes                    | 600 additional Asset Attributes                   |
| Time Series Data Storage  | 0.5 GB additional Time Series Data Storage        | 7 GB additional Time Series Data Storage          |
| Time Series Data Ingest Rate  | 0.06 KB/s additional Time Series Data Ingest Rate | 2.7 KB/s additional Time Series Data Ingest Rate  |
| <b>Extension (for application and MindSphere Resources)</b>   | <b>NXpM Temperature GIS, add.</b>                 |   |
|   | <b>Subscription</b>                               | <b>Subscription</b>                               |
|   | 1 additional Feeder                               | 50 additional Feeders                             |
| Fee   | See Order <sup>1</sup>                            | See Order <sup>1</sup>                            |
| The extension NXpM Temperature GIS, add. (NXpower Monitor Package Temperature and Mechanical Operation Counter Monitoring (more than one sensor per phase) for MV-Feeder (GIS)) provides you with 1 or 50 additional Feeder(s) Temperature and Mechanical Operation Counter Monitoring (more than one sensor per phase) of a medium-voltage gas-insulated switchgear and contains the following additional MindSphere Resources suitable to connect 1 or 50 additional medium-voltage Feeder(s) (gas-insulated) to the Platform, depending on the selected package. |   |   |
| Asset Attributes  | 23 additional Asset Attributes                    | 1 150 additional Asset Attributes                 |
| Time Series Data Storage  | 0.5 GB additional Time Series Data Storage        | 11.5 GB additional Time Series Data Storage       |
| Time Series Data Ingest Rate  | 0.09 KB/s additional Time Series Data Ingest Rate | 4.43 KB/s additional Time Series Data Ingest Rate |
| <b>Extension (for application and MindSphere Resources)</b>   | <b>NXpM PD AIS</b>                                |   |
|   | <b>Subscription</b>                               | <b>Subscription</b>                               |
|   | 1 additional Feeder                               | 50 additional Feeders                             |
| Fee   | See Order <sup>1</sup>                            | See Order <sup>1</sup>                            |
| The extension NXpM PD AIS (NXpower Monitor Package Partial Discharge Monitoring for MV-Feeder (AIS)) provides you with 1 or 50 additional Feeder(s) Partial Discharge Monitoring of a medium-voltage air-insulated switchgear and contains the following additional MindSphere Resources suitable to connect 1 or 50 additional medium-voltage Feeder(s) (air-insulated) to the Platform, depending on the selected package.  |   |   |
| Asset Attributes  | 21 additional Asset Attributes                    | 1 050 additional Asset Attributes                 |
| Time Series Data Storage  | 0.5 GB additional Time Series Data Storage        | 9.5 GB additional Time Series Data Storage        |
| Time Series Data Ingest Rate  | 0.08 KB/s additional Time Series Data Ingest Rate | 3.61 KB/s additional Time Series Data Ingest Rate |
| <b>Extension (for application and MindSphere Resources)</b>   | <b>NXpM PD GIS</b>                                |   |
|   | <b>Subscription</b>                               | <b>Subscription</b>                               |
|   | 1 additional Feeder                               | 50 additional Feeder                              |
| Fee   | See Order <sup>1</sup>                            | See Order <sup>1</sup>                            |
| The extension NXpM PD GIS (NXpower Monitor Package Partial Discharge Monitoring for MV-Feeder (GIS)) provides you with 1 or 50 additional Feeder(s) Partial Discharge Monitoring of a medium-voltage gas-insulated switchgear and contains the following additional MindSphere Resources suitable to connect 1 or 50 additional medium-voltage Feeder(s) (gas-insulated) to the Platform, depending on the selected package.  |   |   |
| Asset Attributes  | 1 additional Asset Attributes                     | 50 additional Asset Attributes                    |
| Time Series Data Storage  | 0.5 GB additional Time Series Data Storage        | 0.5 GB additional Time Series Data Storage        |
| Time Series Data Ingest Rate  | 0.01 KB/s additional Time Series Data Ingest Rate | 0.02 KB/s additional Time Series Data Ingest Rate |

| Extension (for application and MindSphere Resources)  | NXpM CB AIS, GIS                                  |   |
|---|---|---|
|   | Subscription                                      | Subscription                                      |
|   | 1 additional Feeder                               | 50 additional Feeders                             |
| Fee   | See Order <sup>1</sup>                            | See Order <sup>1</sup>                            |
| <p>The extension NXpM CB AIS, GIS (NXpower Monitor Package Circuit Breaker Monitoring for MV-Feeder (AIS, GIS)) provides you with 1 or 50 additional Feeder(s) Circuit Breaker Monitoring of a medium-voltage air- or gas-insulated switchgear and contains the following additional MindSphere Resources suitable to connect 1 or 50 additional medium-voltage Feeder(s) (air-, gas-insulated) to the Platform, depending on the selected package.</p> |   |   |
| Asset Attributes  | 4 additional Asset Attributes                     | 200 additional Asset Attributes                   |
| File Storage  | 0.5 GB additional File Storage                    | 0.5 GB additional File Storage                    |
| Time Series Data Storage  | 0.5 GB additional Time Series Data Storage        | 0.5 GB additional Time Series Data Storage        |
| Time Series Data Ingest Rate  | 0.01 KB/s additional Time Series Data Ingest Rate | 0.03 KB/s additional Time Series Data Ingest Rate |
| Extension (for application and MindSphere Resources)  | NXpM Maintenance View                             |   |
|   | Subscription                                      |   |
|   | 1 additional Feeder                               |   |
| Fee   | See Order <sup>1</sup>                            |   |
| <p>The extension NXpM Maintenance View (NXpower Monitor Package Maintenance View for 1 MV- or LV-Feeder (AIS, GIS)) provides you with 1 additional Feeder Maintenance View of a medium- or low-voltage switchgear (air-, gas-insulated) and contains the following additional MindSphere Resources suitable to connect 1 additional medium- or low-voltage Feeder (air-, gas-insulated) to the Platform.</p>  |   |   |
| Asset Attributes  | 15 additional Asset Attributes                    |   |
| Notification Email  | 1 000 additional Email Notifications              |   |
| Time Series Data Storage  | 0.5 GB additional Time Series Data Storage        |   |
| Time Series Data Ingest Rate  | 0.01 KB/s additional Time Series Data Ingest Rate |   |
| Extension (for application and MindSphere Resources)  | NXpM Transparency - 1 LV-Feed.                    |   |
|   | Subscription                                      |   |
|   | 1 additional Feeder                               |   |
| Fee   | See Order <sup>1</sup>                            |   |
| <p>The extension NXpM Transparency - 1 LV-Feed. (NXpower Monitor Package Asset Transparency for 1 LV-Feeder) provides you with 1 additional Feeder Asset Transparency (power distribution board) of a low-voltage switchgear and contains the following additional MindSphere Resources suitable to connect 1 low-voltage Feeder to the Platform.</p>   |   |   |
| Asset Attributes  | 52 additional Asset Attributes                    |   |
| Time Series Data Storage  | 0.5 GB additional Time Series Data Storage        |   |
| Time Series Data Ingest Rate  | 0.1 KB/s additional Time Series Data Ingest Rate  |   |
| Extension (for application and MindSphere Resources)  | NXpM Transparency and CM - 1 Transformer          |   |
|   | Subscription                                      |   |
|   | 1 Transformer                                     |   |
| Fee   | See Order <sup>1</sup>                            |   |
| <p>The extension NXpM Transparency and CM – 1 Transformer (NXpower Monitor Package Asset Transparency and Condition Monitoring for 1 Transformer) provides you with Asset Transparency and Condition Monitoring for 1 Transformer and contains the following additional MindSphere Resources suitable to connect 1 Transformer to the Platform.</p>   |   |   |
| Asset Attributes  | 31 additional Asset Attributes                    |   |
| Time Series Data Storage  | 0.5 GB additional Time Series Data Storage        |   |
| Time Series Data Ingest Rate  | 0.09 KB/s additional Time Series Data Ingest Rate |   |
| <p><sup>1)</sup> Subscription-based pricing is set forth in the Order; <sup>2)</sup> You can decide if a Base Environment shall be created and provisioned to you as part of your NXpower Monitor Package Starter or if the NXpower Monitor Package Starter (without a Base Environment) shall be added to an existing Account (Base Environment or</p>   |   |   |



MindSphere Capability Package 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 <https://siemens.mindsphere.io/en/docs/Product-Descriptions-Overview/technical-limitations>.

## General

|                                   |   |
|-----------------------------------|---|
| Subscription Term                 | The standard Subscription Term for NXpower Monitor Package Starter is either 12 or 36 months, and extensions are 12 months. The Subscription Term shall automatically renew if stated in the Order.   |
| Co-term (renewal and termination) | The Subscription Term for extensions will be co-termed with the Subscription Term of the application and therefore can be shorter than the standard Subscription Term.<br>If an application subscription is terminated, the associated extensions will also be terminated at the same time. |
| Payment Terms                     | Fees for NXpower Monitor Package Starter and for any of the extensions described herein are fully charged in advance for the entire Subscription Term unless otherwise expressly provided in an Order.  |
| Service Level Agreement           | The Monthly Availability for this application is at least 95%. Monthly Availability is defined in the Cloud Support and Service Level Frameworks available at <a href="https://www.siemens.com/sw-terms/sla">https://www.siemens.com/sw-terms/sla</a> .                                     |
| Third-Party Terms                 | The Third-Party Terms for NXpower Monitor 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                           | Support may be contacted via the following email address: <a href="mailto:nxpowersupport@siemens.com">nxpowersupport@siemens.com</a> .<br>Support is available in English.  |

## Export Control Regulations

|      |       |
|------|-------|
| AL   | N     |
| ECCN | EAR99 |

## Security Information

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|----------------------|--|
| General              | In order to protect substations, plant, systems, machines and networks against cyber threats, it is necessary that you implement and continuously maintain a holistic, state-of-the-art substation 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 MindSphere Account is used.  |

## Definitions

|            |   |
|------------|---|
| Asset      | An Asset is the logical representation of a thing which for the purposes of this application is e.g. a medium- and low-voltage switchgear, transformer.   |
| Feeder     | A Feeder is a sub-Asset of a medium- or low-voltage switchgear, which can serve the function of incomer or outgoing or bus-sectionalizer or bus coupler or metering etc.  |
| Substation | A Substation is a part of an electrical infrastructure which may house medium-voltage and/or low-voltage switchgears in enclosed building or metallic housing (E-House). The substation/E-House may also include transformers along with switchgears but mounted outside the building/E-House to change voltage levels. |
| Variable   | Data point of a configured Asset.   |



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 [Glossary](#).