

Energy Manager - Essential

Building X



Energy Manager Essential is a Building X offering that enables you to monitor, analyze and improve energy efficiency, save costs and optimize key energy performance indicators (KPIs) for campuses and buildings of various usage types.

- Site Performance: Gain deep insights from site to equipment and data point level.
- Actionable Energy Intelligence: Create custom KPIs to track energy efficiency, performance, and health.
- Granular Submetering: Achieve detailed energy breakdown for precise control.
- Dynamic, Shareable Dashboards: Visualize and share critical energy data effortlessly.
- Data Analytics: Explore data interactively.
- Proactive Anomaly Detection: Leverage ML-based anomaly detection notifications for energy consumption.
- Effortless Report Generation: Utilize dashboard widgets to create comprehensive reports, available both on a scheduled and ad-hoc basis.
- Integrated Prosumer Monitoring: Track your energy consumption and generation.
- Assured Data Integrity: Ensure accuracy with data correction and revision history.

buildingx.siemens.com

Building X Energy Manager - Essential**Comprehensive Energy Insights**

Gain deep, customizable insights into energy and equipment across single building or group of buildings in a campus for data driven decision-making.

Advanced Analytics & Predictive Insights

Use anomaly detection across meters, submeters, and correlated data — temperature, pressure, power, and consumption — to optimize system and equipment performance.

Customizable Data Exploration

Easily create custom dashboards for analysis from overall building to a specific data point level, design equipment- and energy-specific diagrams for tailored monitoring across use cases and seamlessly share insights with stakeholders.

Precision Submetering

Implement flexible submetering, including tenant-level and production line tracking, while monitoring it using corresponding view structure in app.

Building X Energy Manager – Data points (Add-On)

This subscription enables you to customize and add as many data points to your Building X - Energy Manager Essential subscriptions as required. Data points can be shared across the project and are not limited to a single Energy Manager module or a specific building or location.

Enabling Building X Platform & Energy Manager Functionality**Diagrams & Graphical Monitoring**

Visualize your energy system with dynamic plant and single-line diagrams — create, upload, and map data points, customize arrow behaviors, and track historical data seamlessly.

Customized Data Analytics

Design and share custom data point sets and dashboards—monitor any data point your way with heatmaps, gauge charts, and line charts for deeper insights on energy, operation and comfort.

Machine Learning-based Anomaly Detection

Let machine learning algorithms detect anomalies and unexpected behavior in your energy consumption data on meter level.

Customized and Shareable Dashboards

Build personalized dashboards with ease — choose from a rich widget catalog, use templates, and share insights effortlessly with your team.

Document Management

Streamline energy management with built-in document storage — easily upload, organize, and access diagrams, single-line documents, and more in one secure platform.

Data Export and Scheduling

Enables the ad-hoc export of dashboards and scheduling of reports in HTML format.

Accounts Application

Ability to manage users with a role-based access control. New users can be invited to access the Cloud Service and given appropriate access rights via user groups. Users can log in with two-factor authentication and manage their user account themselves. Data can be logically grouped into partitions and given access via user groups.

Data Onboarding and Correction

Ability to add meaning and structure to the data. Correct fault entries in your data and keep track of changes.

Devices Application

Ability to manage Connected Devices compatible with the Cloud Service.

Data Hosting and Data Usage

Hosts and processes personal and non-personal data in data centers located in Europe. For information regarding processing of personal data and locations Customer may refer to the Data Privacy Terms.

The subscription plan depends on the agreement between Customer and Siemens.

1) Standard Subscription Plan if the customer purchases the subscription via the Siemens online store

	Energy Manager Essential
Functions	All
Subscription metric	per Site per year (100 data points included)
Subscription term	Annually, auto-renewal
Billing term	Annually, payment in advance
Upscale	Effective immediately, pro-rated billing
Downscale/Cancellation	Effective with end of subscription term
Connected Devices	To be purchased separately
Permitted Users	Unlimited, Extended Use
Additional Information	Site can be a campus or an individual building at a location.

	Energy Manager Data points - Add-on
Functions	All
Subscription metric	per 100 data points per year
Subscription term	Annually, auto-renewal
Billing term	Annually, payment in advance
Upscale	Effective immediately, pro-rated billing
Downscale/Cancellation	Effective with end of subscription term
Connected Devices	To be purchased separately
Permitted Users	Unlimited, Extended Use

The standard subscription plan is the regular, scalable Offering for this Cloud Service. The subscription term is twelve (12) months with automatic renewal; the Cloud Service fee is paid in advance. The subscription plan can be upscaled at any time and Cloud Service fees for upscales are calculated on a pro-rated basis. The Customer can also scale down the Cloud Service effective with the end of the current subscription term. The subscription fee will be adjusted for the upcoming billing term. The Cloud Service can be cancelled any time, effective with the end of the current subscription term.

The subscription plan can be purchased for the Energy Manager Essential per Site, each including 100 data points for free use. For details, please contact your local sales representative.

Data point packages, each comprising 100 data points can be purchased additionally based of project requirement, at the start or at a later point when needed. Energy Manager Essential is not restricted to meter and consumption related data points. Customers can bring any of their data points like temperature or occupancy data for a holistic energy and efficiency analysis benefitting of Energy Manager’s features.

Customer may purchase required Connected Devices separately.

Extended Use entitles Customer to authorize its Affiliates and third parties to access and use the Cloud Services in accordance with the rights set out in the Terms and Conditions.

2) Custom Subscription Plan

Any subscriptions that are not purchased via a Siemens online store are Custom Subscription Plans. Under a Custom Subscription Plan the details regarding functions, subscription metric, term, billing, up- and downscaling, Connected Devices as well as Permitted Users are set out in the agreement between the Customer and Siemens.

Supported Connected Devices

The Cloud Service is currently compatible with commercially available Connected Devices. Connected Devices enable the Cloud Service to exchange data with the technical building infrastructure. A description of the available Connected Devices is provided below.

	List of Supported Connected Devices
SIEMENS: Connect X200	<p>The Connect X200 edge gateway is powered with DC 24V or AC 24V and may require an enclosure.</p> <p>The Connect X200 includes embedded software (for example, firmware and factory installed applications collectively referenced herein as Software) to supply building data to this Cloud Service.</p>
SIEMENS: Connect X300	<p>The Connect X300 edge gateway is powered with DC 24V and may require an enclosure.</p> <p>The Connect X300 includes embedded software (for example, firmware and factory installed applications collectively referenced herein as Software) to supply building data to this Cloud Service.</p>
SIEMENS: Connect X500	<p>The Connect X500 edge gateway is powered with DC 24V and may require an enclosure.</p> <p>The Connect X500 includes embedded software (for example, firmware and factory installed applications collectively referenced herein as Software) to supply building data to this Cloud Service.</p>
SIEMENS: Connect Software	<p>Connect Software edge gateway is running on Windows 10 or Windows 11 Hyper-V and requires computer hardware.</p> <p>Connect Software includes multiple software applications collectively referenced herein as Software to supply building equipment data to this Cloud Service.</p>
SIEMENS: Desigo CC	<p>Desigo CC software product is running on Windows computer hardware. The supported software version is Desigo CC V6 or higher.</p> <p>Desigo CC includes multiple software extensions collectively referenced herein as Software to supply building data to this Cloud Service.</p>
SIEMENS: Desigo PXC 4/5/7	<p>Desigo PXC4/5/7 hardware is powered with AC 24V. The supported hardware devices for this Cloud Service are PXC4-2.E16S, PXC4-2.E16, PXC5.E24, PXC7.E400S/M/L and PXC5.E003 with firmware version V02.21.194.25 or higher.</p>
SIEMENS: Desigo Optic F200	<p>Desigo Optic hosted on CFG3.F200 hardware is powered with AC 24V. The supported software version is V5.1.7.x or higher to connect to this Cloud Service.</p>
SIEMENS: Connect Box	<p>Connect Box hardware is powered with DC 24 V.</p> <p>Connect Box includes Software and BSP version V5.x.x or higher to connect to this Cloud Service.</p> <p>The building management data hosted on the hardware can currently only be accessed in read-only mode.</p>
SIEMENS: Desigo SLX (Niagara Framework)	<p>Desigo SLX / Niagara Framework® running as Supervisor on a PC or JACE® is supported for this Cloud Service. The supported Niagara versions are 4.14 and 4.15.</p> <p>The Building X Connector for Niagara™ must be deployed on the Niagara Framework® to supply building data to this Cloud Service.</p> <p>The Tridium EULA is applicable, see https://www.tridium.com/us/en/eula.</p> <p>Niagara FIPS mode and web proxy configuration are not supported.</p>

To use the Cloud Service, a Connected Device must be installed on site, fully operational and connected to the Internet. The Customer is responsible for the provision of the Connected Device on site and all associated costs for the provision of the Cloud Service in accordance with the associated documentation for the Connected Device.

Supported Third-Party Software Connectivity

The Cloud Service is currently compatible with commercially available Third-Party Software. Third-Party Software Connectivity enable the Cloud Service to exchange data with Third-Party Software. A description of the available Third-Party Software connectivity is provided below.

	List of Supported Third-Party Software
Software Specific connectors	<ul style="list-style-type: none"> ● Siemens Navigator ● GRDF ● ENEDIS ● Smart Impulse ● Enlighted ● Weather Data Providers

The customer is responsible for the Third-Party Software at the site and all associated costs for the provision of the cloud service in accordance with the associated documentation for the Third-Party Software.

Web browser and Viewing Devices

Chrome is recommended to use the Cloud Service, but other standard browsers might also serve this function. Screen resolution of 1920x1080 pixels or higher is recommended for best user experience.

Internet Connection

The bandwidth of Customer's internet connection determines the performance of the Cloud Service.

Ordering

To order a subscription plan and connected devices, Customer must request a quote from its Siemens sales representative.

Product Documentation

1) Product Documentation under a Standard Subscription Plan

General Contractual Documents	Links
Building X - Energy Manager Essential Data Sheet	www.siemens.com/buildingx/data-sheet/energy-manager-essential
Supplemental Terms for Buildings	www.siemens.com/buildingx/data-sheet/supplemental-terms
General Software Terms and Cloud Supplemental Terms	https://www.siemens.com/si/cloud/terms
Base Terms International	https://www.siemens.com/si/cloud/terms
Siemens Acceptable Use Policy	https://www.siemens.com/si/cloud/terms
Minimum Terms	www.siemens.com/buildingx/data-sheet/minimum-terms
Data Privacy Terms	https://www.siemens.com/dpt/si
Data Privacy Terms Annexes Building X	https://www.siemens.com/dpt/si
EU Data Act	https://www.siemens.com/buildingx/terms

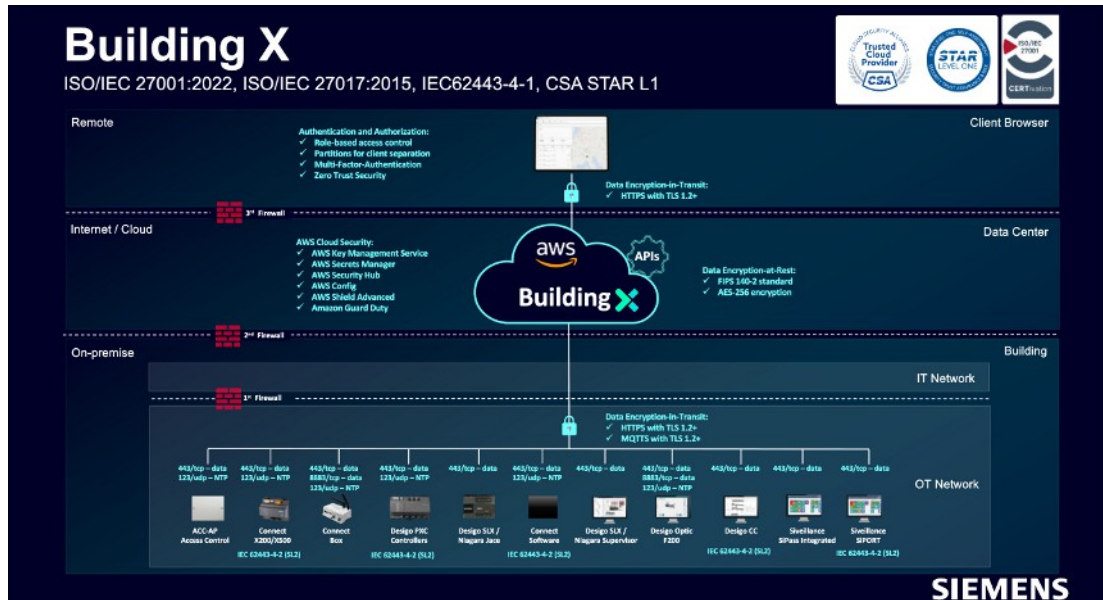
2) Product Documentation under a Custom Subscription Plan

The contractual documents and the Product Documentation are set out in Siemens' offer to the Customer.

3) Technical Documents

Technical Documentation	Link
Building X - Online help (incl. widget library)	www.siemens.com/buildingx/sid

Topology



The topology shows the superset of possibilities for connecting data to Building X. The options available for this Digital Service can be found in the list of supported connected devices and third-party software connectivity.

Data communication between the Connected Devices on-premises and the Cloud Service requires internet connectivity (to be provided by the Customer).

Specific Terms

High-Risk Use

Customer acknowledges and agrees that:

- the Offerings are not designed to be used for the operation of or within a High-Risk System if the functioning of the High-Risk System is dependent on the proper functioning of the Offerings; and
- the outcome from any processing of data through the use of the Offerings is beyond Siemens' control.

Gen AI disclaimer

This Offering is based on Artificial Intelligence technology, i.e. machine learning is used to forecast energy consumption and detect anomalies in energy consumption patterns. The Offering may be accompanied by Generative artificial intelligence ("GenAI") service such as Ask BX, including chatbots and assistants at a price or free of charge. AI generated or based Content, results and responses may not be entirely accurate or reliable.

For details on GenAI services, refer to Siemens' "[Artificial Intelligence Terms of Use | Siemens Software](#)".

Service Level Agreement

Siemens shall use commercially reasonable efforts to make the Cloud Services available for a monthly uptime percentage of ninety-eight percent (98%).

Except for:

- Planned downtime, agreed downtime, routine and emergency maintenance,
- Cyberattacks,
- the public, third party and/or customer's internet and communications networks,

- d) data, software, hardware, telecommunications, infrastructure, power, build-packs or net-working equipment not provided by Siemens,
- e) Customers and Users negligence or failure in using the Cloud Service and/or in not following the instructions of published documentation,
- f) system configurations and platforms not supported by Siemens,
- g) system administrations, action, commands and file transfers of Customer or User,
- h) modifications or alterations not made by Siemens,
- i) unauthorized access via Customer's credentials and/or
- j) any other failure outside of Siemens reasonable control.

Customer Support

Siemens offers helpdesk support. Customer may contact its local Siemens representative for support requests. Customers can also submit a support request online: <https://www.siemens.com/support-request>.

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