

Data Sheet

Sustainability Manager - Energy System

Building X



Building X Sustainability Manager - Energy System empowers you to make smarter, data-driven decisions about your buildings' and sites' energy future. It enables you to analyze, simulate, and optimize your energy systems — helping you reduce costs, cut emissions, and confidently plan for decarbonization and retrofit investments.

- **Scenario Modelling & What-If Analysis** — Explore multiple energy strategies and compare outcomes before committing to any changes
- **Simulation & Optimization** — Model baseline, cost-optimal, and emission-optimal scenarios to find the best path forward for your site
- **Smart Technology Selection** — Identify the optimal generation and storage technologies tailored to your specific energy needs
- **Right-Sized Assets** — Determine the ideal asset sizing to effectively minimize both costs and carbon emissions
- **Flexible Energy Demand Input** — Simulate energy end-usages automatically or upload data manually for full flexibility
- **Tariff Impact Simulation** — Understand how different energy tariffs affect your overall costs and strategy
- **Informed Decision Making** — Gain the insights needed to drive confident decarbonization and retrofit decisions backed by real data

buildingx.siemens.com

Functions

Scenario Modelling & What-If Analysis

Create and compare multiple energy system configurations for a given site. Adjust technology mixes, demand profiles, and operational parameters across scenarios to evaluate their impact on cost and emissions prior to investment.

Baseline, Cost & Emission Optimal Simulation

Simulate the existing energy system as a reference baseline and generate cost-optimal and emission-optimal scenarios. Quantifies trade-offs between economic and sustainability objectives across defined simulation periods.

Optimal Technology Selection

Evaluate a defined set of generation and storage technologies against site-specific energy profiles and targets. The optimizer selects the technology combination that best satisfies the configured cost or emission objective.

Optimal Asset Sizing

Determine the rated capacity for each asset — including solar PV, battery storage, heat pumps, and CHP units — based on simulation-driven optimization. Provides sizing recommendations that minimize cost or emissions within defined system constraints.

Energy End-Usage Simulation & Manual Upload

Model energy demand profiles directly within the platform using built-in simulation capabilities or upload your own consumption data manually.

Tariff Impact Simulation

Configure and simulate different energy tariff structures, including time-of-use rates, demand charges, and feed-in tariffs. Assesses the financial impact of tariff variations on system operation and total energy cost.

Decarbonization & Retrofit Decision Support

Provides structured scenario outputs — including cost, emissions, and sizing results — to support investment decisions around decarbonization measures and system retrofits.

Building X Platform

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 Setup Application

Ability to onboard data by adding meaning and structure to it. The data can be onboarded from multiple sources, such as Connected Devices, 3rd party cloud systems and files.

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: <https://siemens.com/dpt>

Subscription

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

	Sustainability Manager – Energy System
Functions	
Building X Platform	✓
Scenario Modelling & What-If Analysis	✓
Baseline, Cost & Emission Optimal Simulation	✓
Optimal Technology Selection	✓
Optimal Asset Sizing	✓
Energy End-Usage Simulation & Manual Upload	✓
Tariff Impact Simulation	✓
Decarbonization & Retrofit Decision Support	✓
Terms	
Subscription metric	per Site 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 Sustainability Manager - Energy System 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.

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 as well as Permitted Users are set out in the agreement between the Customer and Siemens.

Prerequisites

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	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, 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 - Sustainability Manager - Energy System Data Sheet	https://www.buildingx-data-sheet/energy-system
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

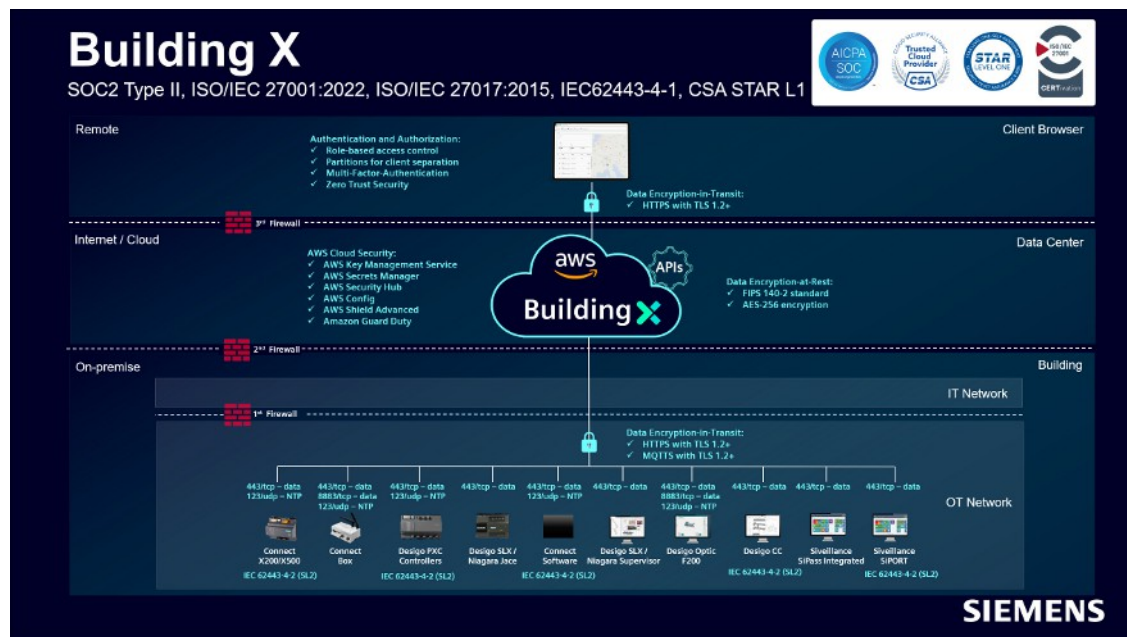
2) Product Documentation under a Custom Subscription Plan

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	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.

Service Level Agreement

Siemens shall use commercially reasonable efforts to make the Cloud Services available for a yearly 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,
- data, software, hardware, telecommunications, infrastructure, power, build-packs or networking equipment not provided by Siemens,
- Customers and Users negligence or failure in using the Cloud Service and/or in not following the instructions of published documentation,
- system configurations and platforms not supported by Siemens,
- system administrations, action, commands and file transfers of Customer or User,
- modifications or alterations not made by Siemens,
- unauthorized access via Customer's credentials and/or
- 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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