

# Building X Comfort AI



Leverage AI to automate and control heating, ventilation and air conditioning (HVAC) systems to provide energy savings while maintaining comfort levels.

## What's in it for you?

### Enhance comfort and efficiency with AI-driven automation

Leverage artificial intelligence to continuously balance comfort and energy efficiency. Automate HVAC system control based on occupancy, indoor conditions, solar radiation, and weather forecasts.

### Gain real-time visibility into comfort performance

Monitor room-level comfort KPIs such as temperature, humidity, and HVAC activity across all buildings. Quickly identify spaces operating outside desired comfort bounds and act before issues affect occupants.

### Streamline management and reduce manual effort

Access all comfort data in one intuitive dashboard. Easily switch between buildings, floors, or rooms, customize your views, and activate or deactivate AI control instantly without retraining or downtime.

For more information check out [siemens.com/buildingx](https://www.siemens.com/buildingx)

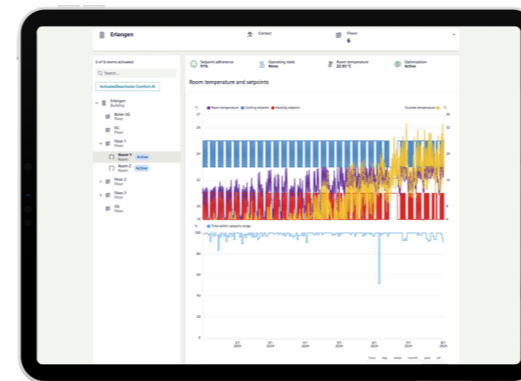
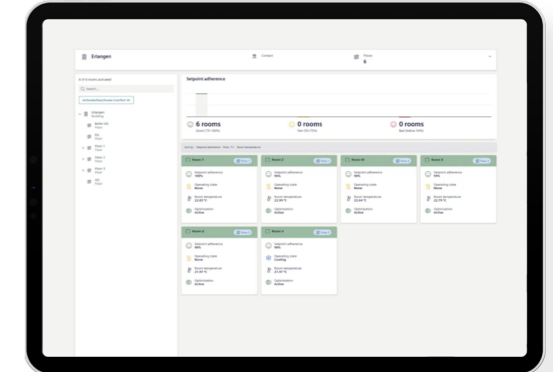
## Discover the key features of Building X Comfort AI

### Monitor comfort compliance across buildings

Use simple dashboards to quickly spot spaces operating outside your determined comfort bounds on a building and floor level.

View a detailed rooms list to assess comfort KPIs, such as comfort compliance, HVAC status, indoor temperature and Comfort AI activity status.

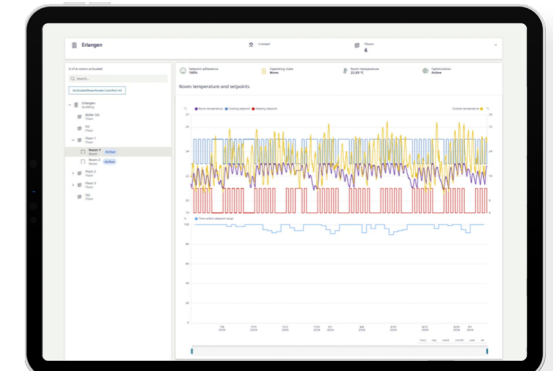
Switch easily between different buildings and locations in your portfolio.



### Ensure optimum indoor conditions

Monitor indoor temperatures and ensure they remain within the configured comfort bounds.

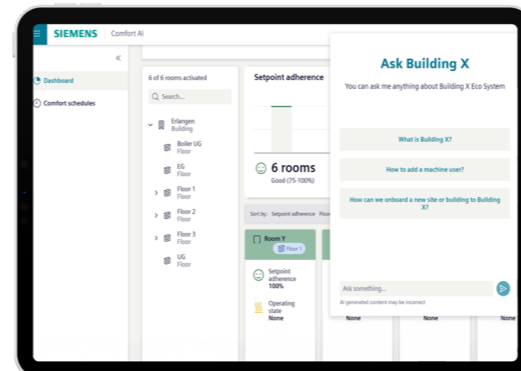
Generate insights on a room's comfort status using real-time and historical data, allowing you to have detailed views down to the minute.



### Switch your Comfort AI on/off with a single click

During maintenance, immediately activate or deactivate the AI-powered comfort optimization at the building, floor or room level.

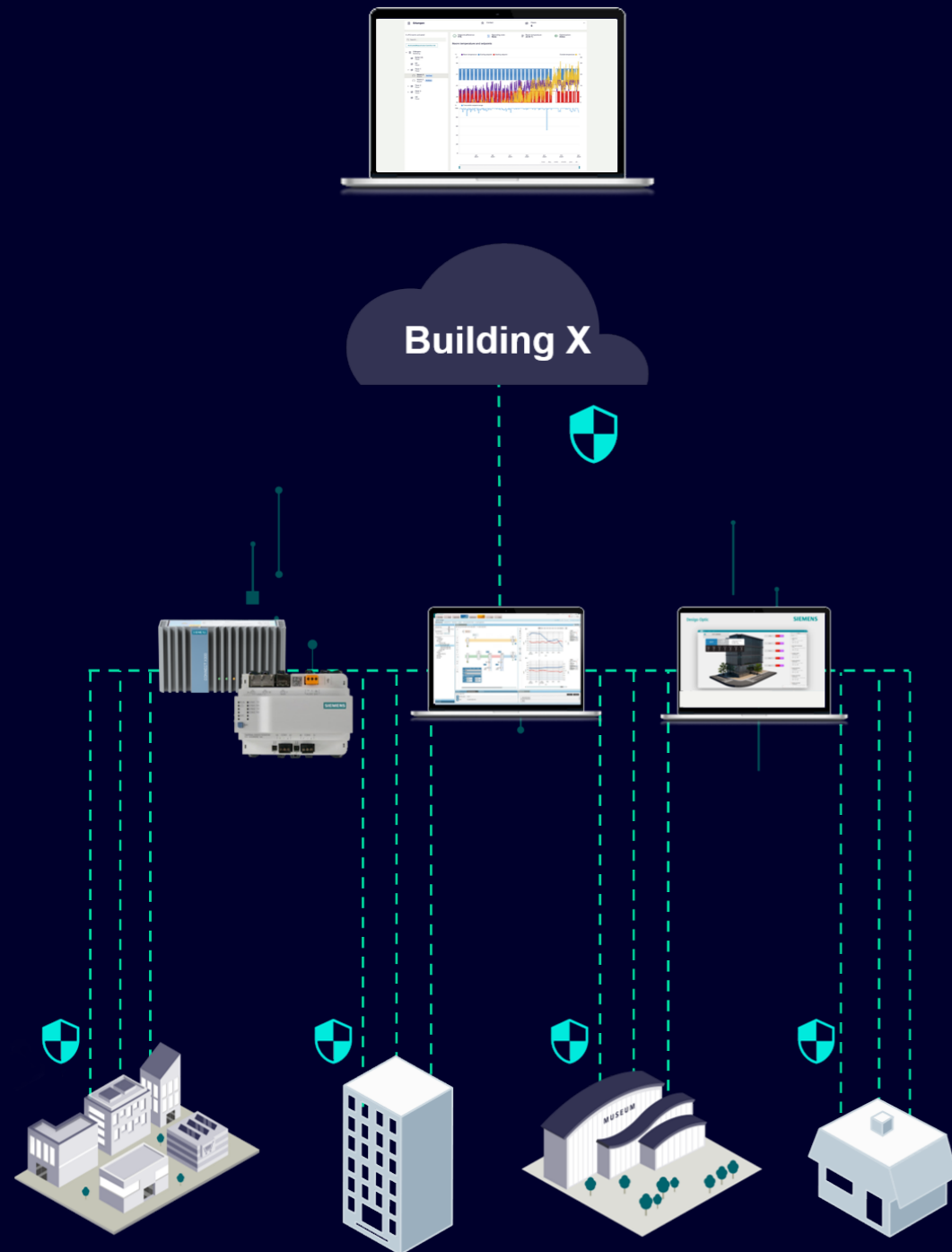
Reactivate Comfort AI without any wait times or the need to retrain AI models.



### ASK Building X: Generative AI at Your Fingertips

Experience the power of ASK Building X, the new Generative AI feature integrated into Comfort AI. Instantly access accurate information from Building X documentation in multiple languages, with the ability to visualize relevant images for clearer understanding. The customizable "star" icon ensures easy and convenient access to Generative AI anytime, anywhere.

## What does the simple topology look like?



### Ready to go applications

Siemens' domain expertise powers innovative solutions in energy and sustainability, featuring ready-to-use applications like **Comfort AI** to swiftly tackle customer challenges. Regular updates and new apps keep our platform ahead of evolving market and customer needs.

### Easy data setup

Fast and efficient onboarding with automatic tagging & mapping and creation of hierarchical structure based on existing engineering meta data.

### Flexible connectivity

Building X provides flexible, scalable connectivity solutions with standard onboarding steps. Seamlessly connect Siemens solutions like Desigo CC, Desigo Optic, or integrate third-party systems via our versatile gateway solutions.



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## Ready to get started? Let's talk connectivity

To use Comfort AI, you need your building connected to and sending data to the Building X platform. Connectivity may seem complex, but it doesn't have to be as we have solutions for you.

- Access vendor agnostic gateways such as Connect X200, Connect X300, Connect Software that work with different field devices and controllers to get the data.
- Pull all data into central data lake - one that all Building X apps use.

The following table describe which Building connectivity solutions are compatible with **Comfort AI** and their data points limits. A data point (dp) is a discrete unit of information, i.e., value of a sensor, a setpoint, a processed value, etc.

Connected device	Communication protocols	Data point limit
Connect X200 Connect X300 Connect X500 Connect Software	Connect Hub: BACnet/IP, Modbus TCP/IP, Apogee P2 Ethernet, File Connector	20,000 active dp
Desigo CC	Extension module: Building X connector enabling 50+ connectors	35,000 active dp
Desigo Optic	BACnet/IP, Modbus TCP/IP, KNX TCP/IP, OPC UA, Tridium Niagara, some more protocols	F200: 500 active dp Server: 5,000 active dp
Desigo SLX (Tridium Niagara)	Niagara Supervisor and JACE 9000 devices	5,000 active dp
Point Value Ingest API	REST API	100 data point values / API request

## How to choose your subscriptions for Comfort AI

What to order	Subscription unit
Comfort AI (Base Module)	1 Site
Comfort AI 100 data points (Add-On)	100 dp