

COMPREHENSIVE BUILDING SOLUTIONS IN YOUR HANDS

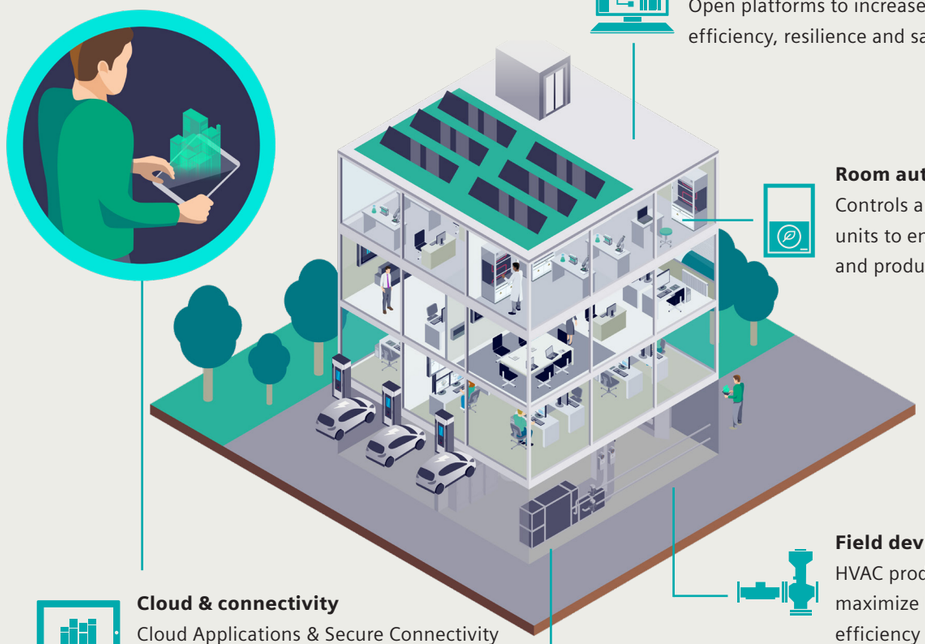
Desigo System

A new era for building automation

Times are changing and stakeholders in the building sector are under pressure to meet the growing demand of creating safe spaces for occupants and reduce the carbon footprint of their infrastructure.

Desigo is the proven building automation system from Siemens that enables professionals to respond to these needs. With its recognized potential, Desigo has been able to reinvent itself by integrating the latest technologies to allow a seamless transition towards smart and resilient buildings. Desigo offers a holistic approach to cybersecurity, supporting BACnet Secure Connect, and provides secured solutions at every level of building automation.

Tailored solutions for all your building needs



Building management systems
Open platforms to increase comfort, efficiency, resilience and safety

Room automation
Controls and operation units to enhance comfort and productivity in the room

Field devices
HVAC products to maximize buildings efficiency

Automation controls and operations
Powerful controls and systems to optimize primary automation

Cloud & connectivity
Cloud Applications & Secure Connectivity for 24/7 Remote access and digital services

BACnet

One system for all requirements of your buildings

The comprehensive Desigo system portfolio comprises everything you need to turn your buildings into high-performing ones. Discover a complete suite of cloud applications, building management systems, building automation controls for primary and room and field devices to improve the operations of your building at all levels.



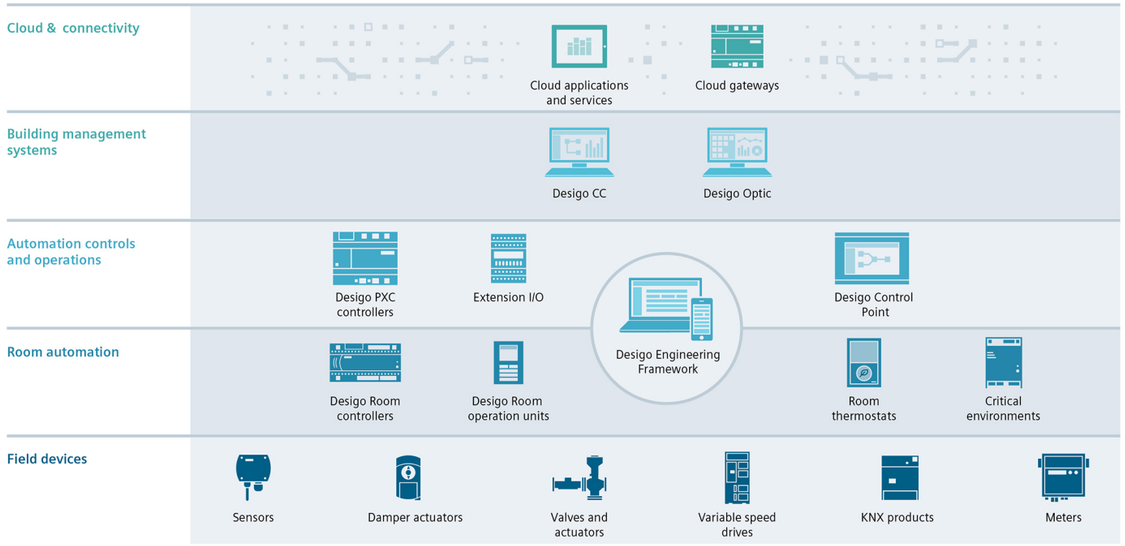
Maximize site energy efficiency

Create ideal spaces for occupants

Unlock the power of data

Ensure the highest cybersecurity

Desigo building automation system



Thanks to its open standard communication and scalability, Desigo is able to fit into multiple applications and thrive the performance continuously over time. You get the right tools to manage and connect all disciplines of HVAC, lighting, shades and security for various types of buildings such as commercial buildings,hospitals, data centers and many more.

Explore



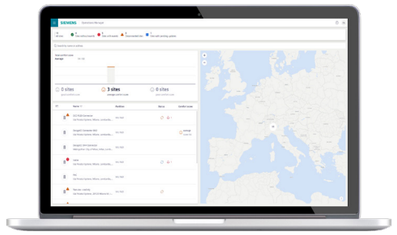
Cloud-enabled applications – Connect, monitor and operate 24/7

With Operations Manager, you operate and monitor a wide range of building assets - in real-time and from a single location.

Building X™ Operations Manager

Operations Manager cloud-based solution remotely operates and monitors building equipment including heating, ventilation, and air conditioning as well as applications and meters for a fleet of connected sites, air conditioning, meters, and more for single or multiple connected sites.

- Securely connect to multiple Desigo CC clients, without complex VPN or intrusive network changes
- Reduce operational and travel expenses by utilizing remote monitoring 24/7
- Respond faster and reduce equipment downtime to ensure business continuity
- Monitor and benchmark comfort scores and drill down on root causes to fix performance issues



Learn more

Connect Gateways

Connect Gateways ensure cloud connectivity via Ethernet network and allow the smart selection of relevant data points from field devices e.g. building automation controllers, sensors, meter, and fire control panels. Thanks to their edge technology, they pre-process data locally before sending it to the cloud. There the data is utilized by cloud applications such as Operations Manager.



Connect X300



Connect X200

Learn more



Building Management Systems – Manage any size or complexity of facility operation

Whether you wish to enhance occupant comfort and productivity or to improve operational and energy efficiency, building management systems enable you to connect, monitor and operate your facility easily.

Desigo CC

Desigo CC is the integrated building management platform for managing high-performing buildings.

- Seamlessly integrate and combine different systems and devices via open standards and interfaces
- Meet the requirements of any project size by integrating single or a multitude of disciplines, including HVAC, fire safety, lighting, shading, power management and security systems
- Easily command and control via user-friendly operations and state-of-the-art UI and remote access via web client



Desigo CC compact

The compact building management platform offers the unique breakthrough features of Desigo CC, focusing on functionalities required by small and medium-size buildings. It can be extended when needed, and proves that building management can be simple and powerful at the same time.

Learn more

Desigo Optic

Desigo Optic is an open, powerful and scalable software solution for managing and controlling building automation systems. Powered by FIN Framework, it redefines openness, and brings the latest IoT technology to your building.

- Make your building data work better using native Haystack and market leading dashboard builder
- Targeted at HVAC, power management and lighting through major protocols such as BACnet, Modbus, KNX and OPC
- Edge2Cloud technology provides secure encrypted remote access without the need for a VPN, at no extra cost
- Deploy two ways - on server or on the embedded controller CFG3.F200



Learn more



Desigo PXC controllers –
Ready to control

Having an automated HVAC system is the key to ensure energy savings and reduced operations costs. Thus, making you compliant to standards and bringing you peace of mind. Siemens offers you the latest technology in building automation to combine high performance with ideal comfort.

Desigo PXC controllers – Shape the future of building automation

Explore the latest range of primary controllers to achieve a high-perfoming automation of your buildings. Designed to reduce the energy consumption of building plants, the Desigo PXC controllers enable you to integrate different protocols with no need of additional hardware or software and come with a license-free engineering suite.



Desigo PXC7
HVAC and system controller



Desigo PXC4
HVAC controller



Desigo PXC5.E24
HVAC and system controller



Desigo PXC5
System controller for integration



TX-I/O
Extension I/O Module with power supply

- Seamless integration of different protocols
- License-free engineering suite with pre-configured application libraries
- Advanced connectivity with on-board WLAN and cloud remote access
- Built-in cybersecurity features and BACnet Secure Connect

Learn more

Desigo PX controllers – the trusted control range of the industry

The flexible, scalable and open controllers satisfy all building and application needs. They can be easily adapted to your needs and offer the highest reliability, thus ensuring maximum value.



Desigo PX Modular



Desigo PX Compact

Learn more



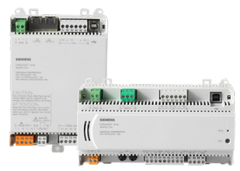
Desigo room automation
Experience the ultimate comfort for any room

Room automation is essential for protecting and enhancing the occupants' health as well as increasing productivity at the same time. Instead of separate systems for HVAC, lighting and shade control, each with its own network infrastructure, Siemens provides a system for all three functions in one cost effective solution.

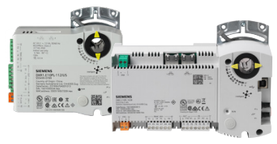
Ensure a comfortable room climate, good air quality and optimal lighting conditions with as little energy as possible. Since Desigo room automation supports international communication standards, it can be integrated seamlessly into existing applications.

With Desigo room automation, you create rooms that are:

- Healthy and productive
- Energy efficient and sustainable
- Scalable and integrated



Room automation stations
Compact room automation stations for HVAC, lighting, and shading



Actuating room devices
Compact room automation stations in combination with actuator for HVAC (VAV & FPB), lighting and shading



Room operating units
Elegant room units with integrated temperature sensors



Sensors and presence detectors
One sensor. Highest energy efficiency for perfect places.



Valves and damper actuators
omprehensive portfolio of OpenAir™ damper actuators tailored to suit your requirements



Actuators
To control lighting, shading, HVAC in the most efficient way

Learn more



Desigo Control Point – Building operations at your fingertips

Desigo Control Point helps you to maximize room comfort, monitor and operate your primary plant and display your building data. It facilitates remote building operations by allowing you to access your buildings and plants via touch panels, any PC, or any mobile device. The touch panels are available in different sizes for optimized user experience.

Desigo Control Point is designed to meet the requirements of different users in a building.

- Building operation and monitoring are enabled through intuitive touch panels on the control panel or via computer in the office. Through smart devices, users can also access related information anytime from any location.
- Occupants are able to optimize their rooms. Touch panels can be used as room operator units to control lighting, shading, and indoor climate.
- Building owners can present to tenants their energy savings to encourage them to save even more.
- Building operators and technicians can manage their daily tasks with no need for special training, thanks to straightforward installation and ease of operation.



BACnet touch panels
The BACnet/IP touch panels enable direct connections to any BACnet network



Client touch panels
When your project requires operation of the same system via multiple control panels, the TCP/IP touch panels are the right solution



BACnet Web server
Desigo primary and room automation stations as well as third-party BACnet devices can be operated via BACnet/IP Web servers

Learn more



Field devices – for complete building efficiency and comfort

All field devices fulfill the highest quality standards, meeting most stringent energy efficiency requirements. Easy handling and long lifecycles are among the essential design criteria. Open communication standards incl KNX, Modbus and BACnet allow seamless integration into any building automation and control systems.



Room thermostats
Siemens room thermostats offer high energy efficiency, a healthy indoor climate and remote operation for efficient facility management



Damper actuators
With OpenAir damper actuators you'll benefit from a wide selection of positioning forces, control signals, communication standards and add-on options



Valves and actuators
With Acvatix valves and actuators fulfill any control and hydronic requirement associated with the generation, distribution and consumption of heating and cooling



Variable speed drives
The variable speed drives provide a number of strategies for controlling fans and pumps that can achieve up to 60% energy savings compared to conventional control methods



Sensors
The Symaro sensors offer precise measurements for room and duct applications throughout the entire lifecycle to ensure a healthy and productive indoor climate



Lighting
Easily manage all aspects of a facility's lighting from a single place



Meters
A precise acquisition and allocation of the energy consumption of heating, cooling and radiators is not a problem in office buildings and residential areas with our meters.

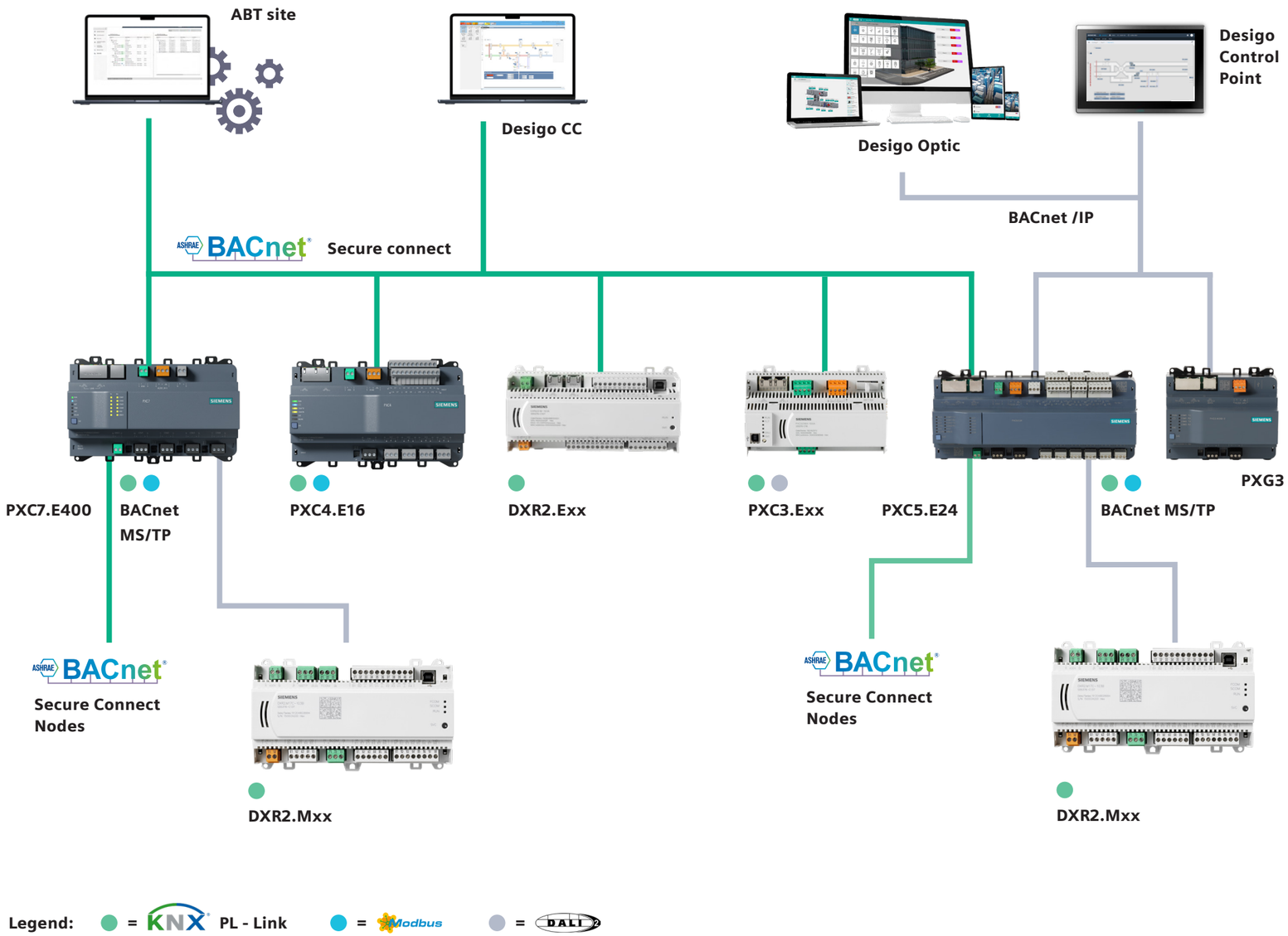
Learn more

Realize your Desigo projects with BACnet Secure Connect

Contact an expert

Thanks to its open architecture and communication standard, Desigo can be installed in any kind of topologies hassle-free.

Here is an example of how you could realize a simple installation with HVAC and room controls supervised by building management.



Achieve decarbonization and cost-efficient modernization of your sites with **Desigo**



"Due to the new hybrid boiler plant and the intelligent energy and load management by Siemens we save a lot of money every year – and furthermore our flexible energy infrastructure helps to decarbonize our production."

Holger Schygulla
Managing Director
Breitenburger Milchzentrale

At Siemens Smart Infrastructure, we are shaping an ecosystem that connects the real world with the digital world.

We work together with customers and partners to create an ecosystem that both intuitively responds to the needs of people and helps customers achieve their business goals.

It helps our customers to thrive, communities to progress and supports sustainable development to protect our planet for the next generation.

Creating environments that care.
siemens.com/smart-infrastructure

Published by
Siemens Switzerland Ltd

Smart Infrastructure
Global Headquarters
Theilerstrasse 1a
6300 Zug
Switzerland
Tel +41 58 724 24 24

For the U.S. published by
Siemens Industry Inc.

800 North Point Parkway
Suite 450
Alpharetta, GA 30005
United States

www.siemens.com/desigo

Article no. SIBP-B10003-00-7600 (Status 04/2023)

Subject to changes and errors. The information given in this document only contains general descriptions and/or performance features which may not always specifically reflect those described, or which may undergo modification in the course of further development of the products. The requested performance features are binding only when they are expressly agreed upon in the concluded contract.

© Siemens 2023

Solution Partner
Building Technologies

SIEMENS

Find a matching partner:
siemens.com/bt/partner-finder