



START >

BUILDING PRODUCTS

# Making smart buildings **real**

State-of-the-art products deliver smart, adaptable buildings.

**SIEMENS**

# Everyone thrives in a smart building

We all want to live, grow and prosper. Smart buildings allow us to do that. Through digital technology, they respond to human needs, creating perfect places to achieve our goals. Siemens products and technology take smart buildings to a new level by seamlessly connecting the digital and physical worlds. We make buildings smarter and create environments that care for the people who use them.





# The Values of Smart Buildings

With the power of data and technology, smart buildings create an ecosystem where they interact with and learn from their occupants. They then adapt to changing conditions and the needs of occupants and stakeholders throughout their lifecycle. Smart buildings are:



Healthy & Trusted



Comfortable



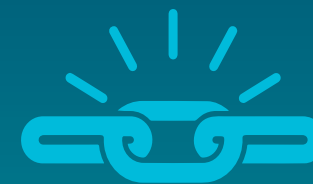
Safe



Efficient / Productive



Sustainable



Resilient



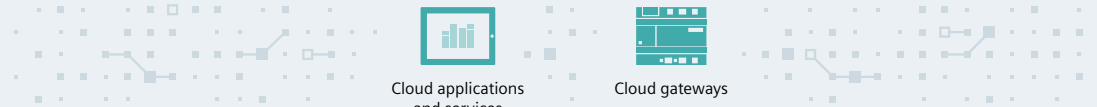
HOW CAN YOUR BUILDINGS ADAPT RAPIDLY TO CHANGING TECHNOLOGIES AND EXPECTATIONS?

# Having intelligent, state-of-the-art building management and HVAC systems

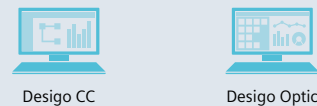
As a trusted advisor, partner and smart building expert, Siemens has the people, products, technical expertise and services to make your buildings energy-efficient, safe and secure. Rely on us for all your building automation and HVAC needs. It's our passion to help you create the perfect place – your perfect place.

## Designo building automation system

### Cloud & connectivity



### Building management systems



### Automation controls and operations



### Room automation



### Field devices



# Desigo CC – Better. Of course.



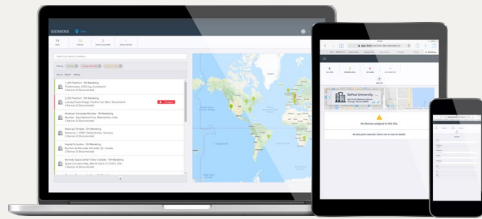
Desigo CC is a powerful, scalable and flexible building management platform that can integrate various systems and devices and automate processes. The evolution from automated to smart and self-adaptive buildings is currently in progress. Smart buildings create environments that can interact with their occupants, learn from them and ultimately adapt to their changing needs. Desigo CC provides the technology backbone for your smart building infrastructure, by providing an open, powerful and up-to-date platform to increase comfort, efficiency, resilience and safety.

[www.siemens.com/desigo-cc](http://www.siemens.com/desigo-cc)



How can you manage a multitude of disciplines?

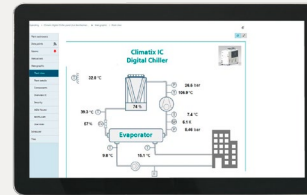
Having flexible and expandable Digital Solutions that make a difference.



### Building Operator

Building Operator is a secure cloud application that provides remote monitoring of any sites and equipment, which is particularly useful for service businesses.

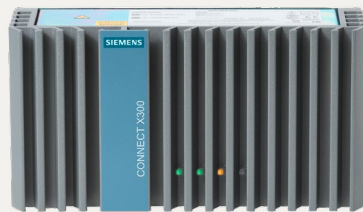
[www.siemens.com/buildingoperator](http://www.siemens.com/buildingoperator)



### Climatix IC

Climatix IC is a cloud-based remote monitoring and intelligent diagnostics solutions for OEMs.

[www.siemens.com/climatix-ic](http://www.siemens.com/climatix-ic)



### ConnectX Cloud Gateways

The ConnectX Cloud Gateways are designed to connect building devices to cloud applications such as Building Operator or Cerberus Cloud Apps through the internet.

[www.siemens.com/connect-x300](http://www.siemens.com/connect-x300)



### Desigo Control Point

Desigo Control Point is an embedded building management station designed to simplify operation and monitoring of heating, ventilation, air conditioning, lighting and shading in small or medium-sized buildings.

[www.siemens.com/desigo/control-point](http://www.siemens.com/desigo/control-point)





**We co-created a  
maintenance model  
from scratch – to deliver  
what’s needed to those  
who need it.**

**Ville Kautto** | Maintenance Manager at University Properties of Finland (SYK)

Siemens worked closely with Tampere University to develop a data-driven model that makes maintenance easier and faster.

[www.siemens.com/tampere-university](http://www.siemens.com/tampere-university)

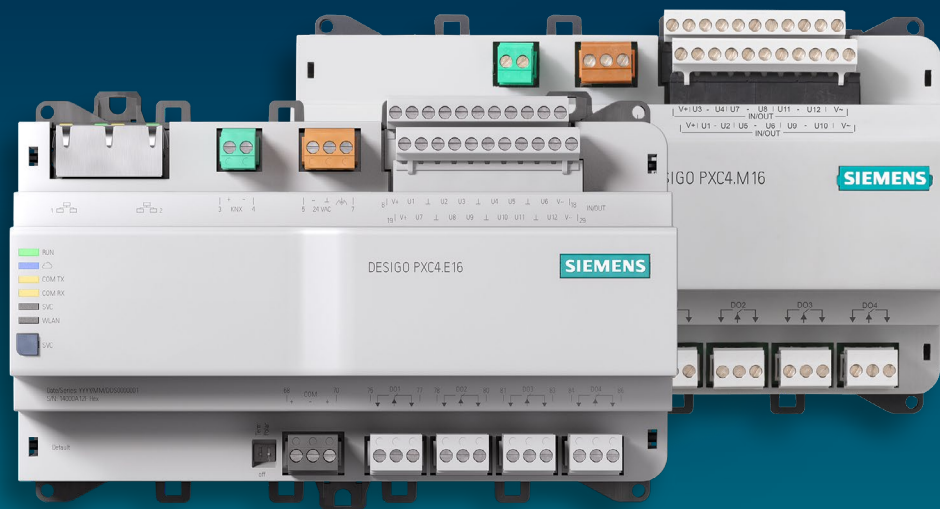


# Your turn with PXC4 and PXC5

The new generation of Desigo automation controllers consists of the Desigo PXC4 for HVAC plants and the Desigo PXC5 for system functions and integration. Both offer a wide range of benefits for automating small to medium-sized buildings.

- Integrate different protocols with no need of additional hardware or software
- State-of-the-art technology with on-board WLAN and cloud remote access
- Built-in features to enable security, now and in the future (BACnet Secure Connect)

[www.siemens.com/pxc-controllers](http://www.siemens.com/pxc-controllers)





# How can you create high-performing buildings?

Having Building Automation systems that are open, scalable, secure and efficiently engineered.



## Desigo Building Automation

Desigo is a fully programmable building automation system that is flexible, open and easy to engineer and operate. It creates high-performing, easily-managed buildings that respond to occupant needs and meet sustainability goals. From field devices to cloud solutions, all components are connected seamlessly so they can collect and analyze data and work together efficiently.

[www.siemens.com/desigo](http://www.siemens.com/desigo)



## Room Automation

A room is central to occupants' experience of a building. The Siemens room automation portfolio includes room controllers, sensors and thermostats that help create a healthy atmosphere while reducing energy consumption.

[www.siemens.com/room-automation](http://www.siemens.com/room-automation)



## Climatix – HVAC Control Solution

Climatix is a controller family HVAC equipment manufacturers can use to drive innovation and solutions. The controller range starts with configurable and goes up to freely programmable and scalable for the following applications: AHUs and heat recovery ventilation, roof top units, district heating substations, chiller and heat pumps, precise and fast closed loop control for data center application.

[www.siemens.com/climatix](http://www.siemens.com/climatix)



## Building Control

The GAMMA instabus portfolio uses the KNX communication standard to integrate the control of lighting, shading, heating, ventilation and air conditioning for buildings of any size and purpose.

[www.siemens.com/gamma](http://www.siemens.com/gamma)





*When you walk through  
this place, you feel  
different.  
Australia feels different.  
Maybe for the first time,  
you know where you are.*

[John Patten](#) | Manager of Bunjilaka Aboriginal Cultural Centre at Melbourne Museum

Building management systems from Siemens make Museums Victoria a perfect place to preserve Australia's heritage.

[www.siemens.com/victoria-museum](http://www.siemens.com/victoria-museum)





# The room in your hands with the RDG200 thermostats

Our range of wall-mounted RDG room thermostats have built-in temperature and humidity sensors and control functions. Use our PCT Go app to program the RDG in the box without powering it up. It's perfect for commercial buildings such as hotels and offices as well as educational buildings and public places.

[www.siemens.com/rdg200](http://www.siemens.com/rdg200)



# Intelligent Valve makes it a snap

- Self-optimizing for operation always as efficient as on the first day without effort
- Real-time transparency and proven efficiency through cloud connection
- Adaptive flow optimization for perfect room temperatures, highest comfort and energy savings of up to 37 %

[www.siemens.com/intelligentvalve](http://www.siemens.com/intelligentvalve)



How can your building become a perfect place?

Having the right HVAC Products – from thermostats and sensors to valves and actuators.



### Thermostats

Siemens room thermostats help deliver a healthy indoor climate that is energy efficient and sustainable. Remote operation makes facility management easy.

[www.siemens.com/thermostats](http://www.siemens.com/thermostats)



### Sensors

A full range of Symaro sensors record and transmit readings extremely quickly and accurately for precise, cost-effective and energy-efficient control of the entire HVAC plant.

[www.siemens.com/symaro](http://www.siemens.com/symaro)



### Valves and Actuators

Acvatix™ valves and actuators fulfill any control and hydronic requirements associated with the generation, distribution and use of heating and cooling.

[www.siemens.com/acvatix](http://www.siemens.com/acvatix)



### Damper Actuators

OpenAir™ damper actuators offer a wide selection of positioning forces, control signals, communication standards and add-on options

[www.siemens.com/openair](http://www.siemens.com/openair)



### Meters

Siemens meters precisely measure and allocate the energy consumption of heating, cooling and radiators in a building. Readings can be taken remotely.

[www.siemens.com/bt/metering](http://www.siemens.com/bt/metering)



### Variable Speed Drives

Using intelligent strategies for controlling fans and pumps, the G120P variable speed drive can achieve energy savings of up to 60% compared to conventional control methods.

[www.siemens.com/sed2](http://www.siemens.com/sed2)







*Thanks to the Acvatix™ valves, we were able to do the commissioning very quickly and the handover of the project was achieved on time with a fully operational and well-controlled HVAC system.*

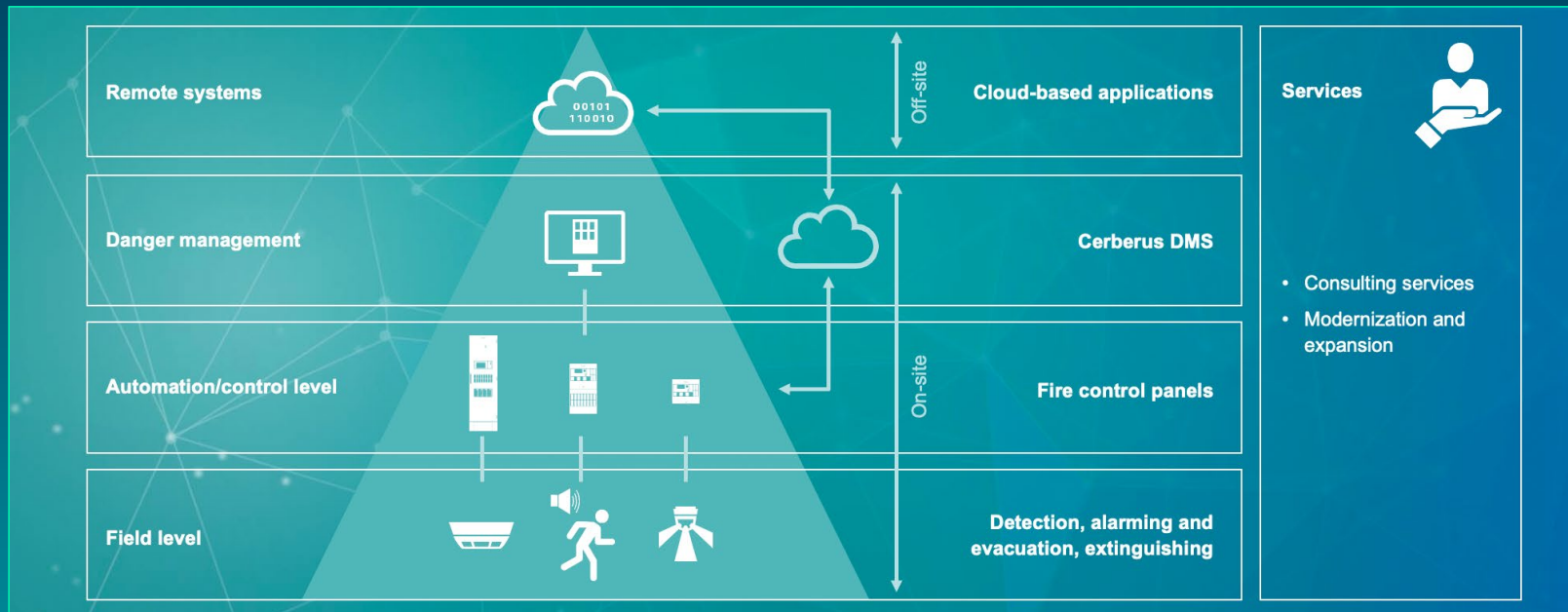
Antoine Makhoul | Administration Manager at Khater Engineering

[www.siemens.com/intelligentvalve](http://www.siemens.com/intelligentvalve)



# Having smarter, cloud-based Fire Protection systems with ASAtechnology and a powerful user experience

Fire safety involves many disciplines, from detection, alarming, evacuation and extinguishing to danger and building management. To provide maximum protection of your people and assets, you need to align them with each other and with your specific requirements. As your single source for all fire safety products, systems and solutions, Siemens can ensure your fire safety investments align with your goals and safeguard the continuity of your business.





# ASAtchnology

- Fire detectors with application-specific parameter sets
- Unique advanced signal analysis (ASAtchnology) provides year-round safety
- Distinguishes between real fires and deceptive phenomena

[www.siemens.com/fire-detection](http://www.siemens.com/fire-detection)



How can you respond quickly at all times?

Having coordinated protection, detection, extinguishing and notification systems.



### Fire Protection Systems

Our Sinteso, Desigo and Cerberus fire protection systems provide unbeatable accuracy and ease of use for building personnel, installers and fire-fighters. They trigger a coordinated alarm and extinguishing systems are activated. They comply with the highest safety standards (EN, UL and GB/ CCCF) for peace-of-mind installations and ensured product quality.

[www.siemens.com/firesafety](http://www.siemens.com/firesafety)



### Detection

Detection is first line of defense in a fire. Our fire protection systems rely on innovative multi-sensor technology to identify dangerous situations as quickly and reliably as possible. They provide unbeatable accuracy and intuitive operation for building personnel, installers and firefighters.

[www.siemens.com/fire-detection](http://www.siemens.com/fire-detection)



### Alarming and Evacuation

Siemens provides alarming, notification and evacuation solutions that are as individual as the building itself. We tailor the solution to the specific building requirements using a comprehensive range of products, solutions, systems and services such as voice alarm systems, fire alarm and notification devices, integrated fire damper control and Desigo mass notification.

[www.siemens.com/evacuation](http://www.siemens.com/evacuation)



### Extinguishing and Suppression

Siemens extinguishing portfolio for room and object protection comprises systems with natural gases or chemical extinguishing agents, gas/water-combined systems, and water mist systems.

[www.siemens.com/extinguishing](http://www.siemens.com/extinguishing)



### Fire Safety Applications

Siemens demand-based fire protection solutions are perfect for rooms such as archives and storage vaults, cleanroom laboratories, and emergency power supply rooms. Our fire safety applications also apply to event venues, kitchens, laundries, parking garages, plant rooms, restaurants, server rooms, stairways and gas turbines.

[www.siemens.com/firesafety-applications](http://www.siemens.com/firesafety-applications)





# Cerberus Cloud Apps

Siemens cloud apps are also helping service providers digitalize their service and maintenance offerings. The best way to monitor several places at the same time is to use the cloud connection to our fire protection systems. Our cloud apps improve resource utilization and increase customer satisfaction.

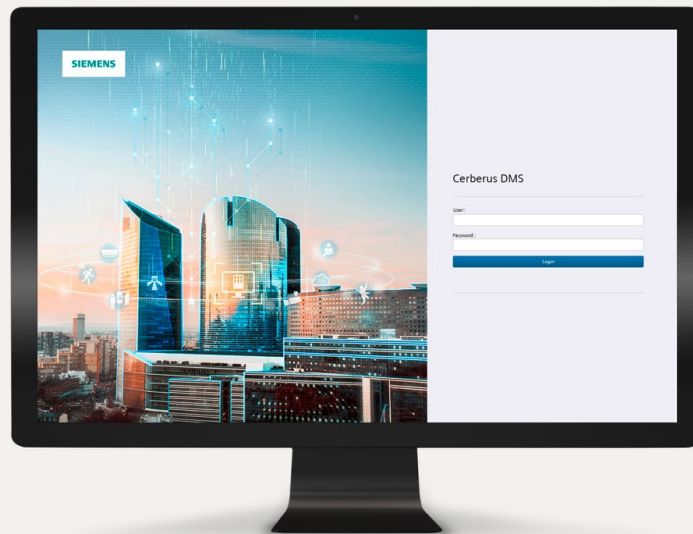
[www.siemens.com/fire-detection](http://www.siemens.com/fire-detection)





How can you monitor all your systems?

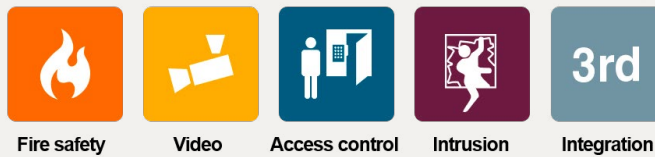
Having cloud-based Digital Solutions that provide quick, focused overview during events.



### Danger Management

The danger management from Siemens enables quick and reliable response to life safety and security events. Workflows are integrated and harmonized, guaranteeing a quick and focused overview during events and fail-proof operation of the connected fire protection and security systems.

[www.siemens.com/danger-management](http://www.siemens.com/danger-management)





***Feldschlösschen beer  
without its tradition,  
without the building,  
that's impossible.***

**Bruno Born** | Master brewer at Feldschlösschen Brewery

Fire safety systems from Siemens make the Feldschlösschen brewery in Switzerland a perfect place to keep a tradition on tap.

[www.siemens.com/perfect-places/feldschloessen](http://www.siemens.com/perfect-places/feldschloessen)



HOW CAN YOU GET SUPPORT WHENEVER AND WHEREVER YOU NEED IT TO BE MORE PRODUCTIVE?

# Having 24/7 access to Siemens tools, technology and training

Be prepared for tomorrow's needs today with Siemens planning and management tools. Designed to make your work as simple as possible, our tools and applications provide easy access to product information, training, commissioning and information services. With access to our support anywhere and anytime, you can meet your project requirements quickly and focus on creating perfect places for your customers.





### HIT Portal

The HIT Portal makes your search for the right products for designing HVAC plants easier and less time-consuming. This simple and intelligent tool will guide you through an intuitive sequence of steps: You can select and

document any HVAC control device as an individual product or through a system configuration. Using its library of over 400 preconfigured HVAC applications, HIT will provide you with comprehensive specifications. You can also access a wide variety of Siemens training programs, new ideas, trends and supports to enrich you and your team.

[www.siemens.com/hit](http://www.siemens.com/hit)



### Siemens Industry Online Support (SIOS)

Our one-stop digital informational platform offers you all relevant product data and support services in one place. It's simple and easy to use, giving you a fast and direct way

to get customer support. On SIOS you will find all product information in one page, such as FAQs, manuals, data sheets, training information and other customer support services. It has optimized navigation to easily find the information you need that's always up to date.

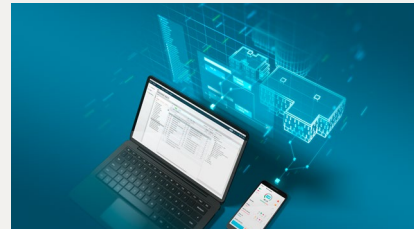
[www.siemens.com/SIOS](http://www.siemens.com/SIOS)



### Industry Mall

The Industry Mall is our product catalogue and online ordering system for Digital Industries and Smart Infrastructure. From the selection of products to ordering and delivery tracking, the Industry Mall enables the complete purchasing process – directly and independent of time and place.

[www.siemens.com/IndustryMall](http://www.siemens.com/IndustryMall)



### Desigo Engineering Framework

Desigo Engineering framework combines everything you need, to plan, engineer, install, commission and operate. From field devices, to automation controllers, up to building management, everything is included. This will allow you to meet your project requirements Better, Faster and Easier.

<http://www.siemens.com/desigo-engineering-framework>



### Planning tomorrow

Thorough planning has never been as important as it is today. The more complex a building becomes, the more detailed the planning process must be. With our extensive market experience, we want to make your planning process as time-efficient as possible. With planning tools, extensive data and comprehensive information about our certified product portfolio we are ready to help you turn ideas into perfect places.

[www.siemens.com/bt/consultants](http://www.siemens.com/bt/consultants)

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Find a certified partner in your region: [www.siemens.com/partner-finder](http://www.siemens.com/partner-finder)



**Published by  
Siemens Switzerland Ltd**

Smart Infrastructure  
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Theilerstrasse 1a  
6300 Zug  
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**For the U.S. published by  
Siemens Industry Inc.**

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Alpharetta, GA 30005  
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Smart Infrastructure intelligently connects energy systems, buildings and industries, enhancing the way we live and work to significantly improve efficiency and sustainability.

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](https://www.siemens.com/smart-infrastructure)**

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