



**SIEMENS**

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# A building management system that is writing history

Building Management starts with Design



# Shape the future with Desigo

Modern life revolves around buildings. People spend about 90 percent of their time in buildings, a fact that is also reflected in the energy requirements: 40 percent of global power consumption can be attributed to buildings. Only 20 percent of overall building costs are caused by construction; the remaining 80 percent are operating costs. Economists estimate that building-related occupational diseases reduce the gross national product by as much as 1.0 percent. All these factors pose tremendous challenges for managers and users.

Desigo™ is the answer to these challenges – and the innovative Desigo CC™ building management platform is a milestone in the history of building technology. The development of the new software is based on the global know-how of our experts as well as on more than 30 years of experience in

building technology. With Desigo, we have created a system that is setting new standards in terms of performance, security, comfort, and cost reduction.

With Desigo CC, you can control and optimize all the systems in a building – from heating, ventilation, lighting, shading, room automation, energy management, and fire safety as well as security disciplines such as video surveillance and intrusion detection. Desigo CC can be deployed for multiple systems, yet it can also be used for the management of individual disciplines. What makes Desigo CC truly unique on the market is its comprehensive structure: a single integrated building management platform that is open, efficient, flexible, and easy to use.



# Increase your building performance

## Satisfied employees result in greater productivity

Satisfied employees are more productive employees. And this is exactly where Desigo comes into play: Via the Desigo CC management platform, you can easily increase the comfort of your property. The entire building climate as well as the safety and security standards are optimized, creating the best possible working conditions and helping to increase productivity.

## Improved operational management and reduced downtimes

Desigo CC is a platform that can be used for comprehensive control of all building systems. The more systems that are integrated, the more synergies you can exploit. The platform provides you with excellent data analysis, which gives you a comprehensive foundation for making decisions. With Desigo, you are meeting the highest industry standards ensuring the optimal operation of the building across all disciplines – for maximum building performance with minimal downtime.

## Advantage Services™: tailored solutions worldwide

When you decide on Desigo, you'll benefit from our Advantage Services – a complete service program for your infrastructure, from building automation to fire safety and security disciplines. Thanks to our modular concept, we can offer tailor-made solutions to meet your needs – worldwide. Our support covers the entire lifecycle, from planning, consulting, and installation to commissioning and maintenance. Through migration and modernization concepts, we promote technical progress and innovations and ensure continuous performance optimization. The combination of remote and on-site services provide for trouble-free 24/7 operation, allowing you to fully focus on your core business.

- Optimization of the building climate
- Improved working conditions
- Sound decision-making foundation through data analysis
- Support across the entire lifecycle
- Trouble-free 24/7 operation



## Improve your image



### You make a difference – every day

With Desigo, you create surroundings in which the users of office and administrative buildings, hospitals, and production facilities feel comfortable and enjoy a safe environment – as guests, patients, visitors, or employees. With the help of Desigo, you make a difference for everyone. This additionally has a very positive impact on your corporate image – and hence on your attractiveness for stakeholders such as customers and specialists.

- Pleasant, safe, and secure environment
- Recognized for environmental friendliness
- Transparent building performance
- Meets the highest standards

### Go green – scoring with sustainability

A sustainable corporate profile is becoming increasingly decisive in competition. Desigo room automation, which has been recognized for its environmental friendliness, helps you to significantly reduce the CO<sub>2</sub> emissions of your buildings. Green Building monitors enhance transparency regarding measures and results – something that will benefit more than just your corporate image. In addition, you will protect the environment and save considerably on energy costs.

### A high level of transparency – and a constant eye on compliance

Desigo makes it possible for you to precisely measure energy within your entire infrastructure. Based on detailed information, you can track trends, compare locations, and optimize your buildings and plants. The high level of transparency regarding your performance helps you to reduce energy consumption and minimize your operating costs. In addition, with Desigo you are relying on a system that meets the strictest of standards – to ensure quality, efficiency, and lower costs.

# Optimize safety, security, and comfort

- All systems work together
- Synchronized inputs of different disciplines
- Innovative fire safety and security system
- High level of building security
- Intelligent building system through integration

## Enjoy a comfortable work environment every day

Whether employees, customers, guests, operators and facility managers, CEOs or investors – they all want one thing in particular: a comfortable building. With Desigo CC, you ensure that all subsystems work together intelligently as a single system. The platform synchronizes the inputs from different disciplines so that operators can intelligently master every situation on a daily basis. This enables them to fully interact with all subsystems of the building. For you, this means maximum comfort and a working environment in which everyone feels comfortable.

## Highest level of safety and security

The safety and security of buildings is one of the key challenges of the 21st century. Siemens can look back on decades of development of patented safety and security systems. This experience along with the associated high quality standards have gone into development of the innovative fire safety and security system by Desigo offering the highest level of building security.

## Detecting unwanted events before they happen

Desigo CC detects and analyzes unusual behavior in the building and security systems and reacts proactively and transparently. In the event of fire, for instance: By combining a wide variety of systems in Desigo CC, it is possible to limit potential damage. Video surveillance cameras can be used to verify the situation. The ventilation systems can be adjusted to prevent the smoke from spreading. The fire protection dampers close. If necessary, positive air pressure can be generated in other smoke-free areas to prevent the infiltration of smoke. The system activates the escape route control and communicates with the access control system. All these factors significantly reduce potential risks and the resulting damage to people and assets.



# Drastically reduce your costs

## Reducing investment and operating costs by 20 percent

Installations of Desigo CC show that it is easy to reduce operating costs by up to 20 percent, savings which derive in part from the fact that Desigo CC allows you to consistently exploit synergies. Via remote access, you can access and control the platform at any time from any location and you only need to operate and maintain a single system.

## Energy efficiency: reduce consumption

Another reason for the drastic cost reduction is the end-to-end optimization of energy consumption, energy production, and energy procurement. The analysis data of the subsystems serves as the foundation for identifying concealed energy saving potentials. This allows you to identify cost drivers and avoid unnecessary consumption. In addition, you can confidently decide when the best possible time is to buy energy or produce it yourself – for a sustainable environment for users and employees.

## Future security – as flexible as life itself

If you want to shape the future, you have to respond flexibly – which is why Desigo CC's growth keeps pace with customer needs. This means that you can start with one discipline and add additional systems as needed after the initial installation. Thanks to the open design, you can replace or add systems in the building at any time, whether they come from Siemens or from third-party suppliers. By enabling you to freely select subsystems and suppliers, Desigo offers you maximum flexibility – for a stable future.

- Operation via remote access
- Optimized energy consumption
- Need-based expansion
- Open for third-party suppliers







## Desigo – the pioneering building technology

Desigo is the most comprehensive system for building available on the market worldwide – a leading solution that is constantly being optimized. Desigo includes different systems such as heating, ventilation and air conditioning, lighting, shading, room automation, energy management, fire safety, as well as security disciplines such as video surveillance and intrusion protection. Desigo CC can be used to control individual or multiple disciplines.

### Act now to safeguard the future

The economically efficient use of buildings and infrastructures will play a key role in the future. Against this backdrop, it is clear that one of the most important priorities is to invest in sustainable solutions. How will you be positioned in the future? Our experts look forward to hearing your questions and suggestions and hope to talk to you.

Contact us!

### The comprehensive services of Building Technologies

As a reliable technology partner, service provider, systems integrator, and product supplier, Siemens offers a comprehensive portfolio of products, systems, solutions, and services. Our comprehensive range of services protects your investment and safeguards the functionality and quality of your technical infrastructure. Migration and modernization concepts ensure technical progress, added performance, and innovations. Operational support, diagnostics, repair, and performance reporting, as well as performance consulting and event monitoring safeguard the consistent, end-to-end operation of your building.



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The information in this document contains general descriptions of technical options available, which do not always have to be present in individual cases. The required features should therefore be specified in each individual case at the time of closing the contract. The document contains a general product overview. Availability can vary by country. For detailed product information, please contact the company office or authorized partners.

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#### **Answers for infrastructure and cities.**

Our world is undergoing changes that force us to think in new ways: demographic change, urbanization, global warming and resource shortages. Maximum efficiency has top priority – and not only where energy is concerned. In addition, we need to increase comfort for the well-being of users. Also, our need for safety and security is constantly growing. For our customers, success is defined by how well they manage these challenges. Siemens has the answers.

**“We are the trusted technology partner for energy-efficient, safe and secure buildings and infrastructure.”**

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