SIEMENS

Ingenuity for life

Desigo CC –
the integrated building
management platform

**Open by design to improve
building performance**

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Desigo CC creates perfect places today and for the future

The open building management platform Desigo™ CC is designed to create comfortable, safe, secure and efficient facilities. The development of this software is based on our state-of-the-art technology, extensive international expertise and more than 30 years of experience in building technology. Desigo CC covers the complete scope from simple single-discipline systems to fully integrated buildings. By making it easy to operate, monitor, optimize, and manage your facility, Desigo CC sets the standard for the future while maintaining compatibility with legacy systems. With its future-oriented and discipline-independent approach, Desigo CC makes your place a perfect place for today and in the future.

Desigo CC – a truly open platform that simplifies your business

Open platform

Desigo CC is based on common communications standards such as BACnet, OPC, Modbus, IEC61850, SNMP and ONVIF, allowing external applications to read and write real-time data using a REST (Representational State Transfer) Web service interface. Through Desigo CC driver SDKs, 3rd-party devices using proprietary protocols can also be integrated. This open platform enables a global community of developer and solution partners, independent system integrators, facility managers and OEMs to facilitate a dynamic, creative evolution of building management by gathering information and exchanging ideas, products and services. The Desigo CC Application and Integration Center provides on-demand extension development and support, ensuring countless innovations and a decreased time to market for new business solutions.
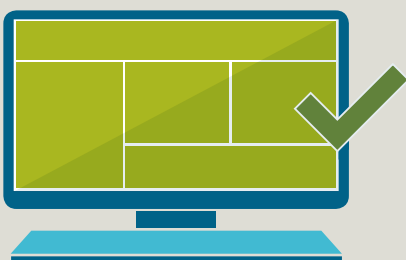
BACnet
Modbus
OPC
SNMP
ONVIF
IEC 61850

Modular design for your individual requirements

Thanks to its modular concept, Desigo CC integrates one or more disciplines to grow along with your building management requirements. You can flexibly tailor the system to new conditions at any time and gradually integrate new systems. Desigo CC is scalable to suit buildings of all sizes and can also be used for distributed building complexes and campus infrastructures. Thanks to its modularity and flexibility, Desigo CC protects your investments and helps you plan the future of your operation. The platform can be extended to increase functionality and the interaction of the connected disciplines.

Maximizing operational efficiency

Innovative engineering concepts make the Desigo CC building management platform efficient. Its powerful, flexible library concept, online engineering, tests and simulation minimize project commissioning time and system downtimes. With the assisted event treatment giving clear guidance to the operators, and all disciplines based on the same workflows, training requirements are minimized. Remote access offers further efficiency improvements by allowing building managers and engineers to optimize settings and monitor performance, while alarm delivery to the Desigo CC mobile app enables appropriate action, even when on the move.
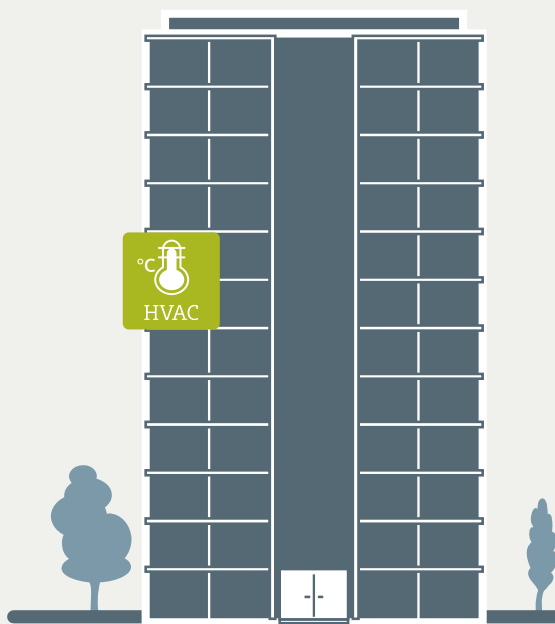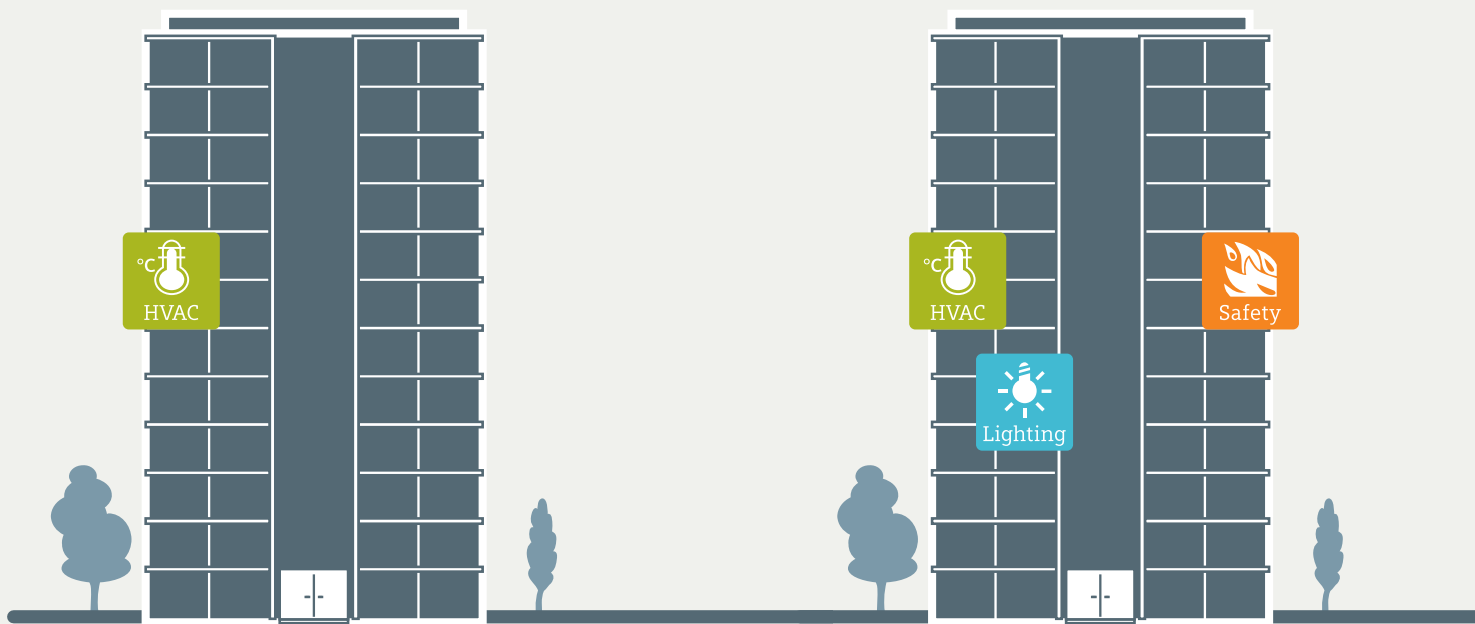
Easy and user-friendly

In Desigo CC's unique user interface design, consistent user-based workflows focus the operator's attention on the task at hand, allowing them to take a closer look guided by the system to the most relevant information. With the same look and feel, operation on all connected subsystems, learning is an easy task, and errors in commanding, event treatment, reporting, and scheduling become more unlikely. In addition, all disciplines can be controlled from a single location using the multiple screen approach, backed by advanced vector graphics, offering to zoom in from an entire floor to the smallest detail.

From single- to multi-disciplines
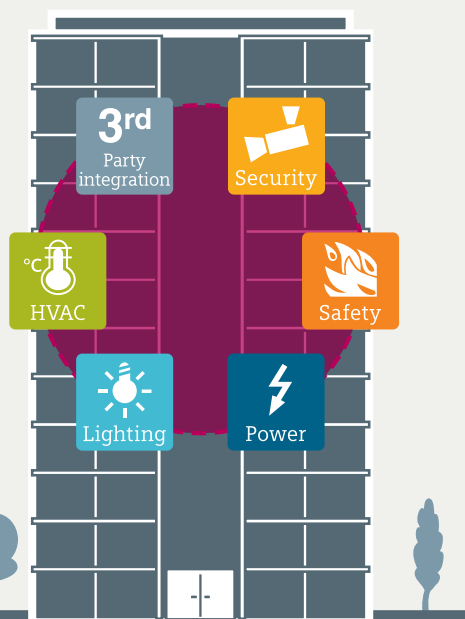# for all types of buildings

Single-discipline

Combi-discipline

HVAC

HVAC

Lighting

Safety

Multi-discipline

3rd Party integration

Security

HVAC °C

Safety

Lighting

Power

A platform growing with your needs

Every building presents unique challenges. Desigo CC was designed to help you manage and adapt to the changing requirements of your facility and organization. You can customize the interface to show the details you need about a building system, area or piece of equipment. Desigo CC also grows with your business needs, in project size and functionality as well as number of disciplines. As a platform based on open architecture, Desigo CC easily adapts to your needs today and tomorrow.

A platform for all building types

Different building types and sizes have different requirements – Desigo CC answers them all (e.g. for schools, airports, industrial production sites, etc.), as well as special market requirements (e.g. pharmaceuticals and fire regulations).

Desigo CC optimizes cost efficiency

Optimizing asset costs has many aspects: Your building management platform's ease of use can be a decisive factor, especially when you can monitor and control all assets and data remotely anytime and anywhere. This is convenient and enables quick, well-informed decisions, if things should go astray.

Thinking about your building's entire service life, lifecycle costs are another aspect – and so is your building management platform. From this perspective, unified workflows for all disciplines not only mean lower training expenses, but also substantially reduced infrastructure (e.g. servers and networks) and operating costs.

In addition, Desigo CC meets the highest energy efficiency standards, thanks to centralized HVAC control, and comprehensive analysis of energy consumption against building operations.

Special Desigo CC tools and templates allow you to quickly set initial building parameters and adapt them to changing needs and conditions cost-effectively. With data aggregation, historical analysis, and side-by-side trends you can quickly see the effect of changes in your facility.

HOTEL

More safety, comfort and productivity – today and tomorrow

Keep your people and facilities safe

Desigo CC has the capability to integrate building management with fire safety and security systems – for example, video surveillance intrusion detection or access control. Thanks to this, Desigo CC can play a critical role in maintaining the safety of your people and your buildings, thus promoting their productivity. Detailed graphics and assisted event treatment give you more profound insights, enabling better decisions.

Thanks to its highly optimized and logical interface, Desigo CC allows you to improve event management throughout your facility. You can monitor fire safety systems and video cameras through centralized controls, enhancing your ability to intelligently respond to events.
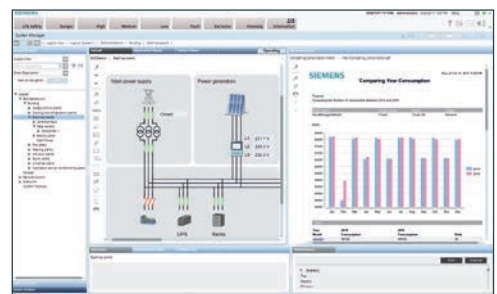
Desigo CC routes you to the right decision

Desigo CC's assisted event treatment procedures guide the operator step by step safely through critical tasks and can be configured to be mandatory or optional, depending on the user. With investigative event treatment,

a quick click will navigate you through the system to visualize the logged event. At any time, a context-sensitive list of related items lets you start with a piece of equipment, and quickly and easily access all of the information related to it. The platform helps you drill down to the information you need to address issues, and solve them accordingly.

Advanced reporting

The advanced comprehensive Desigo CC tools and templates identify and address issues even before they become problems. Besides standard monitoring and reporting for your facility, you can also benefit from an advanced reporting tool enabling you to take fast action. With intuitive reports you can easily manage your building's KPIs, monitor your energy consumption, and even identify operational and energy performance opportunities.

Desigo CC's advanced reporting engine will access trend and event data from the database and provide operational workflows for delivery of energy, power, maintenance as well as other kind of reports.

Energy and power reports

Desigo CC offers easy-to-use templates for energy and power reports, including load profiles and maximum power report. While a load profile gives you details of your power demand over a specified period of time, a maximum power report shows the size of power peaks and when they occur. With the energy consumption report you can determine your energy consumption for a selected time period, and compare it to historical data.

Remote access

With Desigo CC you can easily be notified regarding issues, remotely at any time, from any location thanks to remote desktop client, Web clients and mobile app. Desigo CC's client server architecture supports desktop, Windows app and Web clients, all with the same user interface and functionality.
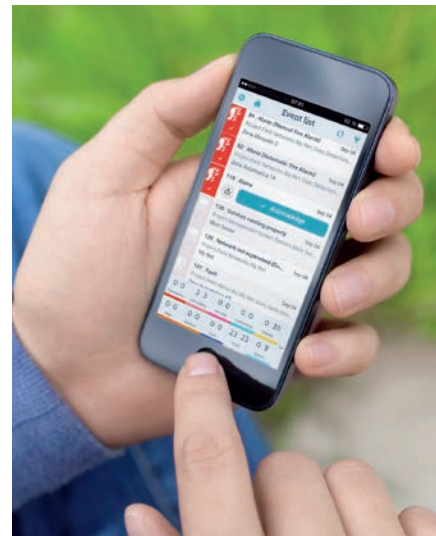
Desigo CC employs the latest technology and standards designed to work with your IT infrastructure e-mail, SMS and pager messages.

Enhanced error protection support

Desigo CC is easy to navigate, letting you examine critical equipment, monitor processes, reduce errors and find vital information when you need it most. You can access information and communicate with multiple building systems.

The management platform brings together the relevant details identified for each user based on the individual's unique profile, role and view of the system. The user interface allows you to prepare personalized views. You can even create your own system view that reflects your unique needs and workflow processes.

Given Desigo CC's ease of use and ready adaptability, you can quickly benefit from it, optimizing the comfort, performance and safety of your building with a single interface. Its many features and capabilities make Desigo CC a valuable investment now that you can build on for the future.

Building management platform
Desigo CC at Museums Victoria

When building technology creates perfect places –
that's Ingenuity for life.

Never too cold. Never too warm.
Always safe. Always secure.

With our knowledge and technology, our products,
our solutions and our services, we turn places into
perfect places.

We create perfect places for their users' needs –
for every stage of life.

#CreatingPerfectPlaces
siemens.com/perfect-places