

# Consume less energy and operate smarter

## Improve energy efficiency, wellbeing and productivity with Siemens BMS

### BMS capability

Siemens is a leading provider of innovative smart building solutions, from stand-alone to integrated solutions across all building disciplines.

Our BMS capabilities include technology manufacture, design, installation, integration, commissioning and lifecycle support, and we employ an extensive product research and development team to ensure our building management portfolio remains innovative.

We work with public and commercial establishments to increase the value and competitiveness of their buildings and infrastructures. With measures to improve performance, we help our customers to maximise the efficiency of their buildings and lower operating costs whilst reducing their environmental impact.

### Increased energy savings and improved climate control

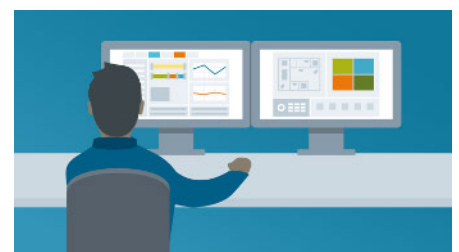
We believe in working closely with customers to maximise their building technology investment. Key to building automation is HVAC optimisation to reduce energy consumption and lower CO2 emissions, plus create a better, safer workspace that fosters greater wellbeing and productivity. Well-designed system architecture can result in energy savings of up to 30%, plus lower maintenance requirements.

### Better control with Desigo CC

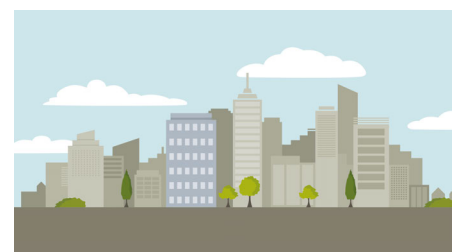
Our Desigo CC BMS platform helps reduce the cost of your energy consumption and CO2 emissions through significant energy savings, while offering a healthier room climate and higher user satisfaction. It will also develop in line with your business needs, in project size and functionality as well as number of disciplines.

Our technology allows you to control and monitor all the energy used to heat, cool and light your building and run its equipment. With this real-time information, your operating plant will automatically respond to changes in energy demand and energy use over time, helping to meet legislative and corporate social responsibility demands and reduce energy costs.

8Ygll c'77 igbased on open communication standards, providing a simple, secure interface and minimising installation and operating costs, whilst providing advanced security and failure protection. Whatever the size of your building, its purpose or application, our comprehensive BMS portfolio enables an automation and control solution that meets your individual requirements. With openness and flexibility at the core of all our systems, we can deliver multi-vendor and multi-discipline integration, combining electrical, HVAC, lighting, security, fire safety and power management into a comprehensive solution, designed for reliability.



Intuitive



Scalable



Open



Multi-discipline

# Desigo CC reduces energy consumption costs and CO2 emissions, plus delivers a healthier room climate and higher user satisfaction



## Advanced technology

Developed in-house, Desigo CC is Siemens' latest high-level intelligent command and control management platform, delivering a single, comprehensive view of site activities via the integration of all building systems. System integration via Desigo CC replaces expensive system-to-system solutions and maximises efficiency through automation.

Examples of benefits include lighting activating in the event of a security alarm, CCTV cameras automatically recording a fire incident, and measuring user occupancy saving energy by regulating lighting and HVAC. All of this improves safety and occupant wellbeing, provides greater intelligence and information, and optimises building operations.

## Automated workflow

This interdisciplinary approach allows Desigo CC to display the status of disparate systems and field devices in real time, exploit synergies, minimise risk by adopting a rule-based response to threats and incidents, improve control of site operations and maximise manpower resources.

## Energy management

Desigo CC meets the highest energy efficiency standards, thanks to centralised 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.

## Scalability

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 and campuses. By making it easy to operate, monitor, optimise and manage your facility, Desigo CC sets the standard for the future while maintaining compatibility with legacy systems.

## Advanced reports

With intuitive reporting you can better manage your building's KPIs, monitor energy consumption including load profiles and maximum power reporting, plus identify operational and energy performance opportunities. Our advanced reporting engine will access trend and event data from the database and provide operational workflows for the delivery of energy, power and maintenance, plus it will support requirements for tenant charging.

## A cyber safe platform

At Siemens, we believe security begins during product development. We've adopted a 'Think Security' philosophy in the development of our Desigo CC family of building management products, solutions and services. This means our end-to-end approach to product development builds in security from the beginning. It includes an ongoing cycle of testing, enhancements, and evolution to keep our products and solutions at the forefront. In addition, we are a founding member of the global Charter of Trust, which calls for binding rules and standards in cybersecurity.



Software



Technology



Fire



Security



BMS



Smart



Design



Integrate



Deliver



Support



Finance



Our building management technologies will deliver a fully automated environment and centralised situational awareness, improving occupant wellbeing and optimising operations

Contact us for a consultation:  
[smart-spaces.gb@siemens.com](mailto:smart-spaces.gb@siemens.com)