Modernization of your building automation system

Future-proof your systems by modernizing today

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Intelligent buildings with multi-discipline solutions

Modernizing your building automation systems

Facing many challenges
Entreprises have to tackle numerous challenges. Amongst others, they include ensuring business continuity as well as reacting quickly and flexibly to changing market requirements, customer needs and emerging risks. Having a variety of systems and technologies installed in their building can prevent them from answering these challenges on time. Early modernization can support decision makers and building operators to successfully meet their tasks – and to harness new opportunities to increase their competitive edge.

Good reasons for modernization
Thinking about modernization once a system isn’t working anymore is usually too late. System modernization can be the best option in many situations, for example: introduction of new business processes, a drop in system performance or exploding operational costs due to increased maintenance or false alarms.

System modernization and networking also helps you simplify a complex silo landscape and increase safety and security. Last but not least, modernization provides access to new technologies and improves the comfort level for both your customers and staff.

What is the best way to modernize your system?
A modernization needs to be planned down to the last detail. First, we analyze your existing system, evaluate the relevant features it offers and identify its growth potential. Then, we plan with you new features, applications and service packages – aligned to your new requirements. After budget planning and devising a realistic time schedule based on the modernization concept, modernization will be performed. What’s more, you can also choose a stepwise system modernization.

Paybacks of modernization
Our building automation modernization solutions are more than just a one-to-one replacement – and let you benefit from proven and certified solutions. New technologies and new system features open the door to new possibilities and services. Systems with advanced technologies boost business productivity and efficiency because of increased uptime and no interruptions due to malfunction and false alarms. They can be seamlessly integrated into any infrastructure, for a higher level of safety and peace of mind. And lower lifecycle costs translate into a quick amortization of your investment.

Buildings have to fulfill many criteria, resulting in a constantly growing number of installed technical systems. For building operators, this translates into higher maintenance costs and the need for more resources. They also often face limitations when systems have to be adapted to new business processes, regulations or dangers. Multi-discipline solutions from Siemens optimally network installed systems within a building. This enhances flexibility and efficiency, increases safety and security, and turns a building into a high-performance property with a greater return on investment. But for you to benefit from networking the systems, they need to be up to date.

Our building automation modernization solutions are the first step to multi-discipline solutions. Your systems will be modernized to the latest technological standard, step by step. Your advantage: new technologies open up new opportunities and increase the level of safety and comfort. Find out how modernization can be more than just a one-to-one replacement.
Continuous monitoring
The goal of modern energy management is to ensure the efficient use of energy through recognizing and continually improving savings potential. The continuous improvement process – consisting of monitoring, analysis, optimization and modernization – provides for transparency, understanding and therefore energy efficiency over the entire life cycle of your building. At the same time, you protect your investments and the value of your assets. Navigator – the cloud-based energy and sustainability platform from Siemens helps you monitor building system performance, energy demand and energy supply more effectively and efficiently.

Migration creates the basis for the future
Energy management not only helps create your bases for informed decisions concerning energy consumption in your building, but is also a vital component in the certification process. Objectives are the reduction and the preservation of resources while securing the energy requirements of the users. Siemens is your partner on the path to maximum energy efficiency.

Sustainable building operations
Energy efficiency in building operations is important for economic viability, environmental protection and a company’s reputation. Long-term modernization concepts for continually updating systems should therefore be a permanent component of the building’s life cycle management.

Maximum availability
Modern building automation, control systems and technologies ensure efficient operations and guarantee the desired high level of availability. They ensure that the high comfort and security expectations in your enterprise can be met. New and flexible functions from control to monitoring support you in operating your systems, independent of time or place.

Analysis creates transparency
The optimization process begins with a detailed inspection of the existing systems. This includes product life cycle, energy consumption and the current operating processes. To be able to measure and manage your building’s energy consumption, it must first be recorded. A measurement concept consolidates data by delivering meaningful reports on consumption, costs, and emissions.

Optimization plan shows the way
This insight helps determine savings potential and forms the basis of the optimization plan. A customized solution is designed to optimize performance in your building and it is laid out in an optimization plan. The plan contains elements from the areas of energy services and operations services.

Building automation and control system is the focus of optimization
A building’s intelligence is the key and the prerequisite for effective control of energy consumption. A modern automation and control system, like the building automation system Desigo CC™ from Siemens, helps you do just that. The ease and simplicity of Desigo’s operation with useful functions from control to monitoring make it a must have system. Remote service allows remote access regardless of the location from which you run your system.

Highlights
- Measurement and analysis create transparency of energy consumption
- Increase of functionalities through a modern building automation and control system
- Modernization creates the bases for greater energy efficiency
- Service program guarantees a consistent standard of quality and the security of the system
Setting new milestones in building management

Aiming for an integrated management platform
Buildings are becoming increasingly complex and the expectation of efficient building management is rising, too. The number of installed systems is vast – and the necessity that they are interlinked and communicate with each other is a prerequisite for business optimization and improving efficiency while keeping costs as low as possible.

As a result, the traditional management station as a silo monitoring solution is no longer sufficient. Integrating all disciplines into one management platform becomes a must. New technologies allow for a common, consolidated view of all systems. A consequent and well-planned modernization of the field and control levels allows modernizing the management level next – to reach an integrated management platform.

Get your systems ready for the future – with stepwise modernization and expansion solutions. Set the course for the new building management platform generation like Desigo CC.

Pave the way for the next building management generation
The innovative Desigo CC building management platform is a milestone in the history of building technology. The new building management platform is backed by the global expertise and more than 100 years of experience in building technology from Siemens and sets new standards in terms of performance, security, comfort and cost reduction.

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?

A comprehensive service offering

Power up your system with the right service agreement
The challenges are mostly the same: increasing productivity, flexibility and efficiency and optimizing the use of resources – while reducing overall costs and system downtimes. These challenges can be best met with the right service agreement.

The right service agreement includes more than just system maintenance. It also supports adjusting your system landscape to a changing environment and modernizing it to the latest technology – so you can achieve operational excellence by decreasing your total cost of ownership. With reports and specific analyses, we help you increase your operational performance and secure the continuity of your business.

Service Modernization solutions from Siemens are part of the lifecycle services. So opt now for a new lifecycle contract or enhance your existing service contract – and the financing of your system modernization becomes part of your service agreement.

Our service offering: Performance Services
Our comprehensive Performance Services portfolio offers the right level of protection for your needs. Our lifecycle services are a bundle of services that contribute to safeguard the value of your investment over the entire lifecycle of your plants up to modernization. They include corrective as well as preventive services and are tailored to answer technical and normative service requirements – ensuring the functionality and quality of the infrastructure. Technical upgrades and innovations are introduced via modernization concepts.

Our managed services include services and functions that offer you additional values. Their aim is to increase efficiency – and to take certain tasks, processes, assets and responsibilities off your mind, 24/7. They help you reduce costs, increase added value and improve your competitive edge. With corrective and preventive services, this offering helps you easily manage risks and costs.

Modernization offering from Siemens
System modernization is important to support business continuity and to comprehensively cover all business requirements. Fire detection modernization solutions from Siemens help you to flexibly modernize your systems step by step – adapted to the different life cycles of the system components.

Your advantages with fire detection modernization
Modernizing fire safety, security and building automation systems has many benefits:

- Efficiency and productivity increase
- More than one-to-one replacement
- Future-proof and open technology
- Return on investment

Service Modernization solutions – our offering at a glance

- We offer tailored modernization solutions to meet individual requirements
- We have in-depth experience from successfully realized modernization projects
- We know the business and environmental requirements from all the different industries, for example, from offices to pharma to airports
- Our service team comprises highly skilled and well-trained experts
- We offer modernization solutions for building automation systems, fire safety and security
- Modernization can happen step by step or all at once
- We plan a modernization to fit the customer’s budget
- We are a reliable, long-term partner for our customers
- We are a member in all influential bodies, worldwide
- We offer dedicated products/features to support the stepwise modernization
When building technology creates perfect places – that’s Ingenuity for life.


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
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