Improved comfort and a green energy balance for your building

Coordinated HVAC and electrical installation products for active energy savings and comfortable building technology

Answers for infrastructure and cities.
Siemens offers you the best products and systems for controlling heating, ventilation and air conditioning plants as well as lighting and shading.
Saving energy while ensuring optimal building comfort

Energy efficiency that pays off
Building technology from Siemens helps reduce your building’s energy consumption and improve its eco-balance. This is achieved through highly accurate measurement and control components and, in particular, intelligent energy efficiency functions. Up to 30 percent of energy can be saved by using intelligent building technology, which significantly reduces operating costs.

Room comfort that satisfies
To improve the room climate in your building over the long term, Siemens offers you high-quality products and systems for controlling heating, ventilation and air conditioning plants as well as lighting and shading. They can be used, for example, to provide daylight without glare and adjust the room climate to individual preferences.

Flexibility to meet all requirements
When it comes to functionality, design, mounting and integration options, the product range offered by Siemens is exceptionally flexible. Its width and depth ensures that you will find exactly what you need to meet your requirements.

Long-term investment protection
Durable products with decades of backward compatibility are only one reason why your investment is protected over the long run. Another reason is that Siemens plays a leading role in developing and promoting international standards, ensuring that you are well-prepared for future requirements. In addition, the value of your property increases because it is equipped with energy-efficient and comfortable building technology.

Impressively simple
Our products are extremely easy to work with in all project phases. They can be installed without errors in the shortest time possible and are quickly ready for operation. Intuitive operation eliminates user errors in everyday situations and maintenance is fast and effective.

Setting new standards in reliability
With Siemens you can count on a reliable international partner with decades of experience in building automation and HVAC control technology. You receive reliable, tested products from a single source and benefit from our customer focus and promixity, backed by the comprehensive network and the local presence of certified Siemens Solution Partners.

Did you know that ...

... the intelligent building technology from Siemens is based on more than 60 years of research and development in HVAC control technology and more than 30 years of experience in building automation?
Intelligent building technology from Siemens maximizes the energy efficiency of your building. For you, this means low operating costs, minimal CO₂ emissions, a good ecological balance as well as optimized comfort for building users. All this increases the value of your property and its attractiveness.

Reduce energy consumption and protect the environment
Energy-efficient buildings require fewer energy resources and produce lower CO₂ emissions — important contributions to protecting the environment. Intelligent building automation from Siemens can reduce the energy consumption of a building by up to 30 percent. Integrated energy saving functions and outstanding control accuracy are important factors. In addition, products are manufactured according to strict environmental policy requirements, and compliance with environmental declarations is documented.

Building technology with superior efficiency
Products and systems from Siemens provide ideal climate conditions in virtually any work or home setting, using only little energy — and precisely tailored to usage requirements in individual rooms. Our comprehensive portfolio of products and systems allows you to master any building technology application in an energy-efficient and flexible manner.

Spotlight on energy efficiency
Everything you need to achieve the highest efficiency classes
To ensure the highest levels of quality and control accuracy, all applications are carefully tested and calibrated in the HVAC lab from Siemens. The eu.bac-certified products combine proven quality in accordance with international standards with maximum control accuracy. In addition, the overall functionality of the systems meets the requirements for eu.bac system certification. With products and systems from Siemens, you can achieve efficiency class A as per EN 15232 for building automation systems.

Practical tools for a solid basis
Siemens provides many helpful tools that allow you to calculate in advance the energy savings you can achieve through building automation. You can use the Energy Performance Classification Tool* to analyze an existing HVAC plant and estimate its energy saving potential, including amortization time. The Energy Efficiency Calculation Tool* allows to calculate the energy saving potential and reduction in CO₂ emissions. In addition, the Specification Text Selection Tool* supports energy-efficient planning.

Did you know that ...
... using intelligent building automation reduces energy consumption by up to 30 percent?

Energy efficiency through building automation
Intelligent building automation provides the best conditions for achieving efficiency class A according to European Standard EN 15232 and thus high saving potentials.

* http://www.siemens.com/bt/energy-efficiency-tools
Desigo – automation for buildings with added value

Integrated system with maximum energy efficiency
The Desigo™ building automation system connects, controls and monitors building systems and their functions. The Desigo CC management station can connect disciplines for building automation, fire safety and security (network cameras). Intelligent energy management as well as innovative energy saving and monitoring functions result in significant energy savings, highest efficiency classes and lower operating costs. One example is the Green Leaf symbol that shows whether everything in the room is in the green range. If not, a single tap is all it takes to reset the room automation to energy-efficient operation.

Maximum flexibility for long-term investment protection
Each building is different, and requirements change over time. Desigo provides you with lasting investment protection based on a modular product range and an adaptable, highly scalable system structure. The operating concept and menu navigation of Desigo CC offer a great deal of flexibility in adapting to changes in the building. The open communication standards support the cost-effective integration of existing systems. In addition, you benefit from maximum IT compatibility and the worldwide BACnet standards.

Desigo also complies with the AMEV* guidelines and is the first building automation system to support the future Internet Protocol version 6 (IPv6) for data transmission.
Superior comfort for maximum performance
A healthy room climate promotes motivation and concentration among room users. Desigo makes it easy to achieve this – using intelligent control strategies as well as the universal operating concept of the Green Leaf symbol, which extends from plant automation to the management station. In addition, intuitive room operator units ensure a comfortable climate, glare-free daylight and healthy air quality.

Significant productivity and efficiency gains
Straightforward operation and uniform engineering facilitate installation and commissioning and significantly reduce maintenance efforts. At the same time, you can be confident that your plant is highly reliable, thanks to components thoroughly examined and tested by independent certifying bodies as well as the use of intelligent applications tested under real conditions. Furthermore, the system delivers everything you need to meet the highest building certification levels in accordance with LEED®, DGNB or BREEAM®.

Highlights
- Universal operation for all building systems
- Lower energy costs resulting from intelligent energy management and energy saving functions
- Outstanding flexibility thanks to products and systems that are easy to expand and adapt
- Comfortable room climate based on intelligent control strategies and intuitive operation
- High plant efficiency through certified components and tested applications

Did you know that ...
... up to 25 percent less energy is required if room users are actively involved in the energy saving process?

* AMEV: Arbeitskreis Maschinen- und Elektrotechnik staatlicher und kommunaler Verwaltungen (Mechanical and Electrical Engineering Working Party of National, Regional and Local Authorities – Germany)
GAMMA building control offers intelligent systems and products that help you achieve higher energy efficiency, improved comfort and a healthy environment for the well-being of all building users.

Flexible and energy-efficient building control
GAMMA building control enables cross-discipline building and room automation based on KNX. This makes it possible to create coordinated applications for lighting, shading, heating, ventilation and air conditioning that ensure energy-efficient, comfortable and safe operation.

By connecting all components via the open communication standard KNX, the installation can be adapted quickly and cost-effectively to individual needs as well as new requirements. In addition, the functions can be integrated in building automation systems.

Universal operating concept for all building functions
The offering ranges from simple switches to multifunctional room operator units with control functions to web-based systems for remote access via web-enabled devices such as tablets, smart phones, PCs and notebooks.

And which design do you prefer? A wide selection of operator and display units can be combined with the different DELTA frame programs from Siemens. And as the products support different country standards, this means you can match your electrical installation perfectly to your interior design wherever you are.

GAMMA – for future-proof electrical installations
Comfortable lighting without wasted energy
Daylight improves the well-being. Therefore, lighting and shading are controlled in such a way that as much glare-free daylight as possible is used for lighting. The blinds are automatically adjusted according to the sun’s position. Constant light level control adds the proper amount of artificial light to ensure the desired brightness is maintained at all times. When rooms are not used, the system switches off the lighting based either on presence or time.

The system automatically detects what is required
Our portfolio offers a broad range of sensors that make energy-saving and comfort functions possible. Motion and presence detectors as well as brightness sensors help ensure optimal lighting conditions. Temperature sensors provide the basis for demand-based heating control. In addition, water detectors identify burst pipes and flooding at an early stage. And this is only a small sampling of the range of sensors.

Did you know that...
... in office buildings up to 13 percent of electrical energy can be saved through optimized presence-, brightness- and time-dependent lighting?

Room automation based on KNX
Throughout the day, you benefit at countless points from intelligent building control. This enables you to enjoy the best lighting at any time of day as well as a healthy, productivity-boosting room climate, depend on reliable safety functions and focus on your core activities.

Highlights
- Considerable saving potentials through cross-discipline room automation
- Broad range of operator and display units as well as design variants
- Flexible building and room automation based on KNX
- Comfortable lighting conditions through intelligent lighting and shading control
Standard controllers – for efficient HVAC control

Buildings have different HVAC control requirements depending on size, life cycle, business hours and expectations of comfort. With its highly energy-efficient and reliable standard controllers as well as a scalable, modular product range, Synco can be tailored to any needs.

Save energy and reduce costs with communicating standard controllers
How do Synco™ HVAC controllers prevent heating boilers, refrigeration machines or pumps from starting up unless necessary? By exchanging information on energy usage via KNX communication. In addition, all Synco controllers utilize tested energy saving functions.

For room automation, Synco offers you a range of room controllers that are eu.bac-certified based on their quality, control accuracy and energy efficiency. Their control accuracy optimizes the room climate and prevents the temperature set-point from being changed unnecessarily. Synco also provides intelligent functions such as the energy indicator. This feature notifies you via e-mail or HomeControl app if the current settings are energetically unfavorable.

Investment-safe standard controllers for reliable HVAC plants
It pays to invest in Synco standard controllers, as demonstrated by the energy savings that can be achieved and the more than 200,000 installations currently in operation. Durable, tested controllers provide for a high level of satisfaction among users. Synco controllers can also be upgraded and adapted at any time thanks to their modular design concept and backward-compatible communication. For you this means you keep all options open for potentially upgrading your HVAC system in the future. In addition, you can expand your system gradually, with staggered investments.
Advanced automation for a modern, comfortable home
The Synco living home automation and control system offers you energy-saving comfort specially designed for residential living. It provides demand-based control of your heating, ventilation and air conditioning plant as well as lighting and shading. Operation is easy using the central control unit, which also displays consumption data. In addition, Synco living supports remote reading of consumption data without entering the home. With battery-operated and wireless units, the system can be used anywhere and expanded as necessary without major structural measures.

Efficient heating for residential and commercial buildings
The range of standard controllers also includes heating and district heating controllers. These provide ease of use and integrated energy saving functions for energy- and cost-effective heat control in residential and commercial buildings. For example, they support the use of renewable energy resources for solar domestic hot water heating and they take into account the outside and room temperature. They have demonstrated their reliability many times over: More than two million of these controllers have been installed worldwide.

Highlights
- Energy savings of up to 30 percent through energy saving functions and high-precision control
- Flexible scalability based on a modular product range
- Outstanding reliability as proven by more than 200,000 installations
- Optimal plant control via remote access using the HomeControl app
- Comfortable automation for residential living

Did you know that ...
... eu.bac-certified Synco controllers are so accurate that they save up to 14 percent more energy than non-certified controllers?
Room thermostats – for the perfect feel-good climate

Efficient temperature control for individual rooms
Room thermostats from Siemens reduce your energy consumption through time-based programs that produce the desired temperature at the desired time. In addition, absence and vacation functions ensure the temperature is lowered to efficiency mode. To further reduce energy waste by careless users, you can connect external contact switches. For instance, window contacts can help minimize thermal energy losses from thoughtless airing a room. If the window is opened, the setpoint is lowered automatically. If a key-card contact is connected, the setpoint is reduced automatically once the user leaves the room.

The ideal room thermostat for any requirement
The broad product range ensures that the right option is available for your plant. It includes devices for any application – from fan coils, variable air volume systems and chilled ceilings to radiators and heat pumps. Depending on the model, the individual room thermostats are suitable for different heating, ventilation and air conditioning applications. This ensures that the requirements of multi- and single-family homes can be met just as efficiently as those of commercial properties, hotels and office buildings. Using KNX, communicating devices can be integrated seamlessly in building automation systems.

To save energy, rooms should be heated or cooled only when they are being used. Room thermostats from Siemens make this easy – for example, based on presence or time.
Easy setting and reading of temperature values
There are as many different designs as there are different requirements, including models with innovative touch technology. Whether you prefer large buttons or setting knobs, you will find an operating concept that is intuitive to use. The menu is also self-explanatory. The background lighting of the display makes it easy to read the temperature or time in the dark. Temperatures can be displayed in °C and °F. A button lock prevents unintentional changes.

It always pays to invest in quality
When it comes to room thermostats, you can count on quality workmanship, solid materials and extensive quality management. Long service life and reliability ensure efficient operation for years to come. In addition, the room thermostats comply with all applicable standards. They not only provide short-term investment protection, but also pay off in the long term.

Did you know that ...

... by reducing the heating temperature by 1°C, you can lower your energy costs by up to six percent?

Optimal climate in every room
Room thermostats allow you to set the room temperature efficiently and conveniently. The patented control technology from Siemens ensures a perfectly uniform warmth.

Highlights
- Broad range of room thermostats for any application
- Energy savings with time-based programs, absence function and external contact switches
- Maximum room comfort through individual settings
- Superior ease of use thanks to straightforward, self-explanatory operation
- Seamless integration in existing systems via KNX
An HVAC control system is only as good as the sensors that record the current temperature, humidity, pressure, etc. and transmit this data to the controllers. So to ensure an energy-efficient and comfortable room climate, you need sensors that function with absolute reliability throughout their entire service life.

Energy efficiency for the optimal room climate
For energy-efficient control of an HVAC plant, it is essential to have fast and accurate measurements, for example for room temperature and air quality in the room and in the plant. Symaro™ sensors make it possible to achieve significant energy savings. Their special measuring technology enables precise measurements of temperature, air quality and relative humidity, even when flat sensors for flush mounting are used.

Demand-controlled ventilation, for example, adjusts the amount of air supplied to the building based on the volume actually required. For instance, up to 70 percent of energy can be saved in buildings whose occupancy varies over a 24-hour period, such as movie theaters or restaurants.

The right sensor for any measurement range and requirement
Symaro offers a comprehensive range for all typical HVAC applications: from temperature to humidity, pressure, flow rate and air quality as well as special applications such as capturing sunlight and certified sensors for the food and pharmaceutical industries. Multi-sensors for the simultaneous recording of multiple measurement parameters reduce the number of devices needed and also minimize the cabling and installation effort prior to commissioning. Room sensors based on the open KNX communication standard can be integrated seamlessly in higher-level building systems, such as Desigo, Synco or GAMMA from Siemens.
Flexible, modern design that suits any ambience
With frames from the DELTA program from Siemens or from a third-party manufacturer, the design of the sensors can be customized to match the room environment. Whether classically simple, made of plastic or glass – the wide selection of frames leaves nothing to wish for.

Easy to install, affordable to maintain
The housing design of all Symaro sensors for room or duct installation is optimized for fast and efficient mounting. After plastering and painting, sensors for wall mounting can be conveniently snapped onto the mounting plate supplied with the product while clamp-on sensors can be attached to pipes, regardless of the pipe’s diameter. Digital correction algorithms ensure that a clean and clear measurement signal is available at all times, and thanks to automatic calibration the sensors are virtually maintenance-free. The integrated self-monitoring feature and long service life protect your investment and ensure that it begins to pay for itself right from the start.

Convenient air quality display
Specific Symaro sensors have an LED that lights up in green, orange or red to indicate whether the air quality in the room is good, average or bad, i.e. whether or not the CO₂ concentration is too high.

Did you know that ...

... demand-controlled ventilation can save up to 70 percent in energy costs?

Highlights
- Wide portfolio of sensors for all standard measurement ranges and values as well as installation options
- Energy savings through fast, highly accurate measurements
- Cost efficiency based on long-term stability and outstanding measuring accuracy
- High level of room comfort through sensors for demand-controlled ventilation
- Straightforward integration in the building automation system via KNX
Meters – for accurate recording of consumption data

How much hot and cold water, how much heating and cooling energy were used? Meters from Siemens give you a detailed view of consumption data.

Everything for reliable recording of consumption data
What can meters from Siemens do? They can provide precise, stable and reliable consumption measurement of water, heating and cooling – as well as convenient and flexible reading of the measured data. This applies for broadly dispersed building complexes as well as for office or residential buildings. The extensive range includes heat cost allocators, heating/cooling energy meters and water meters as well as system components. All of them are maintenance-free and have a service life of more than 15 years. Meters featuring ultrasonic technology read consumption data without requiring any mechanical parts, which helps ensure accurate measurements over the long term.

Convenient reading and protecting privacy
Reading usage data is typically an inconvenient task for all involved. However, meters from Siemens are designed for convenience: They can read consumption data via wireless or wired connection in a publicly accessible area of the building as well as from outside the building or remotely. Entering a home is no longer necessary, which preserves the privacy of the residents. This makes appointments unnecessary and makes it possible to perform the reading at the precise time preferred by the biller – using Internet technologies even from the office via Ethernet or cellular network.
Reliable meters with straightforward operation
Using standard interfaces, the meters can easily be integrated in building automation systems such as Desigo or Synco living from Siemens and in billing systems. Because every meter is equipped with a display or a mechanical counter, residents always have an overview of their consumption data. In addition, the devices are highly secure: Attempts to manipulate readings on heat cost allocators are detected immediately and registered. All other meters are protected by a calibration seal.

A good investment with lasting value
The use of meters pays for itself. You benefit from accurate and reliable metering devices that have a long service life. The meters comply with the requirements of EN 1434 and comply with the requirements of the European measuring instruments directive (MID class 2 or 3). Administrative work is reduced due to fast, convenient and flexible readings. Reading meter data without entering the home or apartment and billing based on actual consumption improve the satisfaction of residents. This, in turn, increases the value and attractiveness of your property.

Easy integration in higher-level systems
Due to the different reading options, the meters are easy to integrate in systems from Siemens – in the Synco living home automation system for residential buildings, and in the Desigo building automation system for office and administrative buildings.

Did you know that ...

... heating and domestic hot water production account for almost 80 percent of the energy consumption in private households?

Highlights
- Accurate, stable and reliable metering of consumption data
- Convenient reading of metering data without entering the home
- Straightforward operation and integration
- Wide range of meters and matching accessories – all from a single source
Acvatix – for efficient HVAC applications

Valves and actuators for any HVAC application
The extensive Acvatix™ product range offers you valves and actuators with a long service life that meet virtually any control or hydraulic requirements when it comes to the generation, distribution and usage of heating and cooling energy. This ensures you are ideally equipped for every application – from very small to very high volumetric flows or differential pressures in open and closed circuits. Whether globe and pressure independent combi valves, ball valves, slipper valves and butterfly valves, refrigerant valves or suitable actuators – with Acvatix you will find it all in a single product range.

Improving the energy efficiency of plants
The fine-tuned product range allows optimal plant design in terms of hydraulics, control technology and energy efficiency, for example using valves with a broad spectrum of kVs values. In addition, valves with electrohydraulic or magnetic actuators as well as pressure independent combi valves help lower energy consumption. Pressure independent combi valves, for example, prevent an energy oversupply to consumers as well as mutual hydraulic interaction. Modulating magnetic valves enable energy savings of up to 15 percent due to their precision and ability to adjust quickly to controller setpoints.
Durable products for long-term investment protection
Acvatix gives you peace of mind because the valves and actuators are developed and manufactured by Siemens. This ensures the design is robust and features outstanding reliability as well as minimal need for maintenance. Additionally, products are tested extensively in our internal HVAC laboratory. The result: Acvatix products have been used for decades in millions of successful installations worldwide. To protect existing plants and ongoing projects, Acvatix also provides unique backward compatibility of more than 30 years.

Reliable and efficient plant operation
Acvatix valves and actuators are designed for quick deployment, reliable operation and easy troubleshooting if needed. This is demonstrated in their ease of use when it comes to installation, commissioning and maintenance. For example, the new generation of actuators features a manual adjuster with various grip options to improve manual operation. An easy-to-see operating status and position indicator helps you quickly check the plant and troubleshoot it in case of a malfunction.

Did you know that...
... the reduced power consumption of Acvatix actuators helps you save 25 percent in energy?
OpenAir – for energy-efficient ventilation

To supply rooms with fresh outdoor air and, depending on the plant, remove exhaust air, many dampers have to be opened and closed in a ventilation system. The OpenAir damper actuators are extremely durable and reliable and hence ideally suited for this purpose.

Damper actuators for a broad range of applications
OpenAir™ damper actuators cover all HVAC applications – from recirculated air dampers, outside air dampers and shutoff dampers to variable air volume control and central air handling units. Our product range also includes actuators for fire and smoke protection dampers. These devices are extremely reliable in emergency situations and prevent smoke and flames from spreading to the connected ventilation duct. The compact design of OpenAir products enables you to install them in hard-to-reach and tight areas.

Conserving energy and supporting energy saving functions
OpenAir products have low-consumption motors which deliver high positioning forces with minimal energy use. The actuators for air volume control further enhance energy efficiency through their highly precise measured value acquisition, which prevents energy losses. You can reduce the energy consumption of your building even further by combining KNX-compatible VAV compact controllers with room thermostats and controllers from the Desigo and Synco 700 product lines or from third-party providers.
Comfortable room climate, convenient operation

Brushless motors, gear trains that have already been run in and precisely mounted technology ensure especially quiet operation of the damper actuators. By quickly and accurately responding to inputs from the building automation system, they add to a comfortable room climate. Self-centering shaft adapters and prewired actuators, for example, make installation and commissioning very convenient. In addition, the actuators are easy to replace because they come in standardized housing sizes, feature universal wiring and installation and have decades-long backward compatibility.

High product quality for a consistently high level of reliability

When you select OpenAir damper actuators, you are choosing a high level of investment protection. Regular functional tests ensure the resilience of the products in continuous operation. Before delivery, every actuator is subjected to thorough functional testing. The robust housings are resistant to the rough conditions often found during transportation, storage and at the construction site. In addition, the actuators meet international standards and are approved for use worldwide. They are manufactured in accordance with the strict ISO 9001 and ISO 14001 standards.

Safety in case of fire

Motorized fire and smoke protection dampers prevent the spread of smoke and fire through the ventilation ducts. In case of fire, OpenAir actuators close the dampers especially quickly and reliably, thus providing a high level of protection for people and assets.

Did you know that ...

... in some office buildings ventilation systems account for 30 percent of the electricity consumption?
Adapting the performance of fans and pumps in HVAC plants to actual demand can save a considerable amount of energy. The easy-to-use G120P variable speed drives are the right tool for this job.

Modular variable speed drives for all requirements
Whether for commercial or residential applications, the G120P range offers you suitable variable speed drives to efficiently control air and liquid media. It includes models for panel mounting with IP20 protection as well as models for wall mounting with IP54 or IP55 protection. With their modular design, these variable speed drives can be precisely tailored to your needs. In addition, the individual components, i.e. control unit, power module and operator panel or blanking cover, can be conveniently replaced as necessary.

Reducing energy consumption and costs
G120P variable speed drives help you save energy and reduce costs. For example, pumps and fans can be controlled very efficiently in ECO mode, which automatically optimizes the power usage of the motor to suit the actual load. Other features of G120P variable speed drives that add to cost and energy savings include bypass mode and Low Harmonics Technology. These features offer energy savings of up to 60 percent and lower costs. Fast and easy commissioning and maintenance further reduce costs.
Compatible with the SINAMICS Support app
You can use the SINAMICS Support app to convert the frequency (Hz) of a variable speed drive to the desired speed of the motor (RPM) and vice versa. When an error code is generated by the variable speed drive, the app explains what the code means and how to correct the error.

Quiet operation and safety for room and workplace comfort
G120P drives offer low-noise control of fans and pumps. Through motor speed control you benefit from lower background noise and less noise-induced interference in sensitive equipment, such as computers and communication modules. To ensure increased safety in case of fire, the variable speed drives switch to essential service mode (ESM) in order to provide smoke-free escape routes during fire control situations.

A savvy investment decision
G120P variable speed drives are a sound investment. The soft starts and stops, as well as the minimized mains harmonics, reduce motor wear and extend the service life of pumps and fans. Because the G120P prevents torque and load surges, it helps protect the entire system and limits repair and maintenance costs. In addition, the G120P amortizes in just a few months through energy savings and an efficiency of 98 percent.

Did you know that ...

... in 85 percent of cases the actual demand is lower than the rated output of the HVAC plant?

Highlights
- Energy savings of up to 60 percent when operating fans and pumps
- Cost savings thanks to straightforward installation and commissioning
- Increased personal safety in case of fire through integrated controls
- Investment protection due to outstanding reliability and long service life
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.”