zenon
by COPA-DATA

zenon for
Smart Buildings

With zenon, buildings are made more intelligent, with a higher potential for saving energy. Buildings can direct traffic and visitor flows efficiently, detect problems at an early stage, and prevent unauthorized access.

Sustainable, Secure, and Smart Building Automation

Choose the zenon Software Platform to plan and modernize properties such as office buildings, hotels, railway stations, hospitals, schools, museums, and airports. You will benefit from rapid project development, high energy savings, simple operation, and maximum reliability.

zenon can bring intelligent building control to new-built as well as existing properties. The software platform enables the efficient control of elevators, heating and cooling, lighting, water, and energy. Building owners can save resources and reduce costs on a regular basis.

For older buildings, there is no need to completely renovate the infrastructure. zenon supports the seamless integration of existing infrastructure into a new central building control system. As an intelligent Energy Data Management System, zenon can help reduce the energy consumption of a building by a double-digit percentage figure – without any loss of comfort.

OPTIMIZE LIGHTING, AVOID DAMAGE TO OUTDOOR SHADES

With zenon, you can control light levels in rooms based on, for example, solar radiation or room occupancy plans. External window shades can be automatically raised or lowered according to weather conditions. Such optimized lighting and dimming control reduces your energy costs. The automatic blind control minimizes the repair and maintenance costs incurred when extreme wind speeds make their presence felt on outdoor window shades.

COMFORTABLY HEATED ROOMS

Sensors measure indoor and outdoor temperatures to inform the control of heating and air conditioning systems in the rooms. By automatically regulating temperature and heating cycles, zenon helps you to maximize energy-saving potential.

AVOID OPERATING ERROR

In building technology, operating errors can instantly cause high consequential damage. With its comprehensive visualization features, zenon provides an excellent overview of building technology. Common workflows can be automated quickly and easily – without any knowledge of programming.

EARLY DETECTION OF PROBLEMS

zenon empowers you to keep building technology under control with a number of useful functions. This includes asset and alarm administration, real-time access to important operating data, and alarm messages in real time. Plus, automated servicing and optimized maintenance intervals use predictive analysis of data. zenon displays real-time data based on individual needs. You can view around the clock and while you're on the go via smartphones and tablets.

ERROR-FREE DOCUMENTATION

Documentation using paper checklists and reports are time-consuming and error-prone. zenon excels due to intelligent functions for automatic documentation. The software platform logs processes and measured values with a time stamp. It then archives them in accordance with legal requirements. You can generate reports, lists, and trend analyses from the data and draw valuable conclusions.

EFFICIENT BUILDING ACCESS MONITORING

Your can prevent property damage, theft, and espionage in your buildings. The zenon Software Platform allows you to integrate surveillance cameras, store alarm plans, and implement efficient access controls.
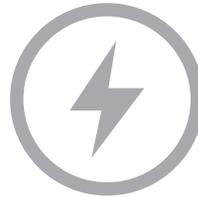
INTELLIGENT ROUTING OF PASSENGER AND TRAFFIC FLOWS

No visibility of free spaces in the parking lot or long lines at the entrances to museums, exhibitions, and events can have a negative impact on event organizers and facility operators. zenon helps avoid these scenarios by automating flow measurement and analysis, traffic control, and visitor flow management.

OUR SOLUTIONS FOR SMART CITIES:

SMART BUILDINGS

ENERGY

WATER & WASTEWATER

PUBLIC TRANSPORT & TRAFFIC

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