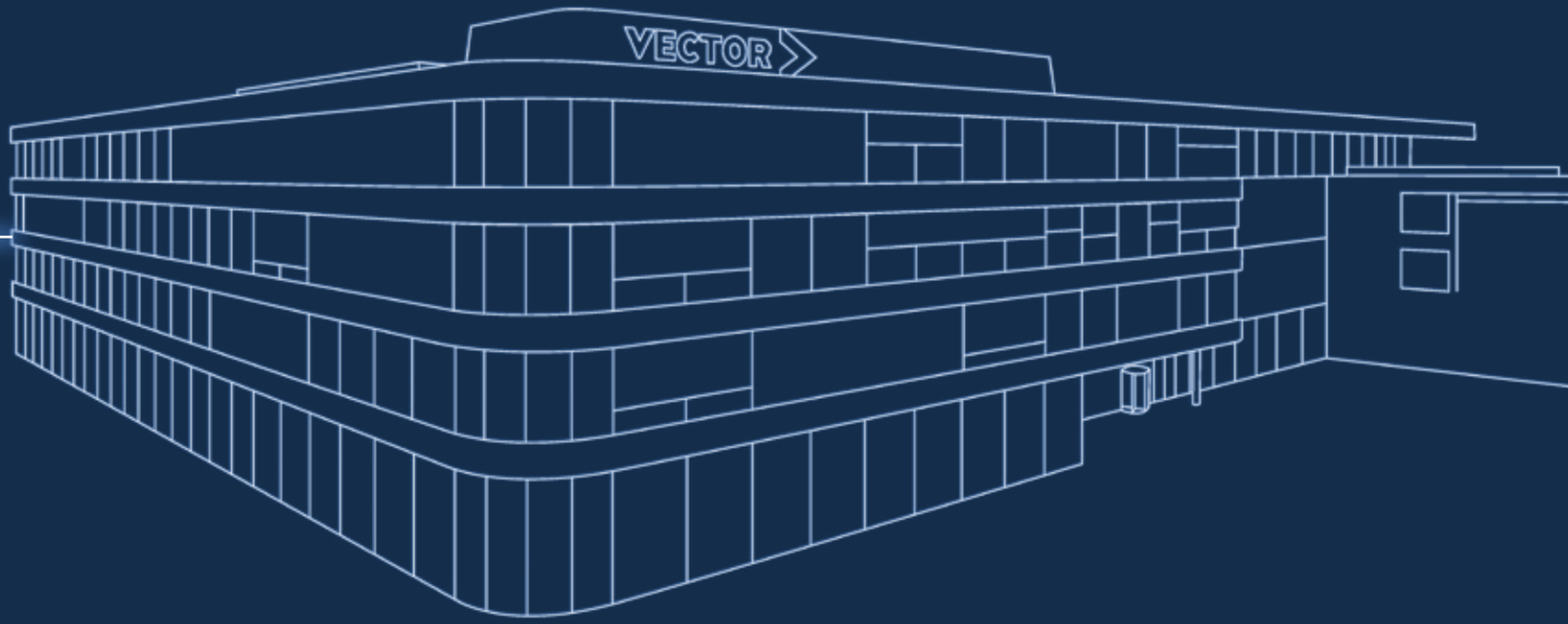
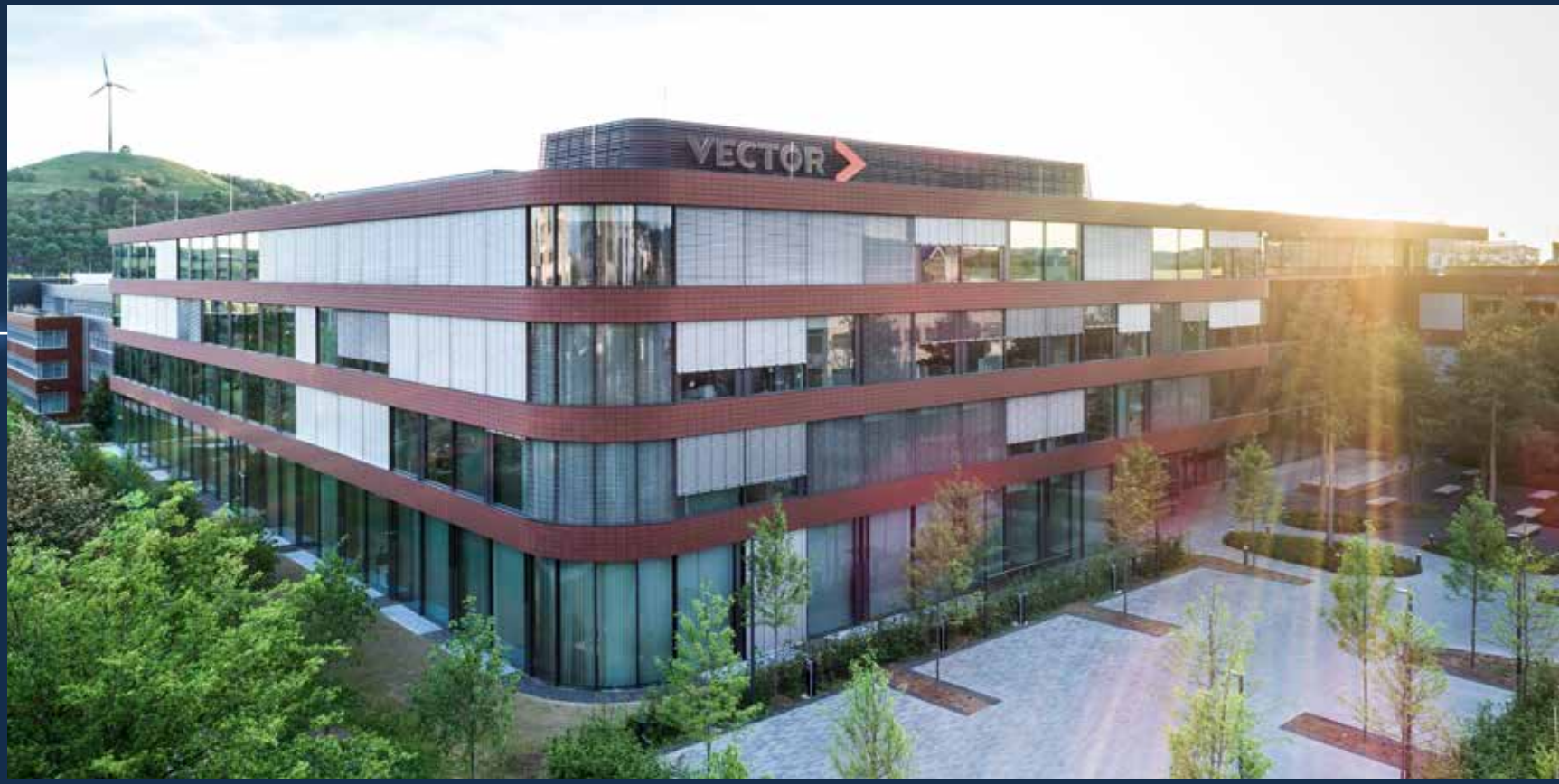
PILOT PROJECT WITH PRECISION LANDING

GEZE COCKPIT ON THE NEW VECTOR IT CAMPUS



GEZE COCKPIT ON THE NEW VECTOR IT CAMPUS

34,000 square meters of constructed area, a four-storey open foyer, 6,500 square meters of office space, an auditorium, a seminar area, a canteen, and an underground car park: IT campus, the new company headquarters of Stuttgart IT specialist Vector Informatik, offers generous space to house 600 employees. And safety, too.



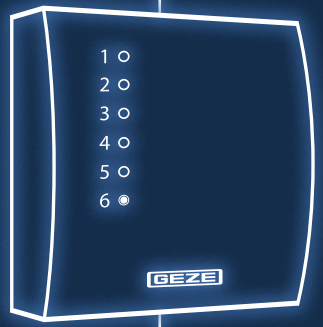
KEEPING AN OVERVIEW:

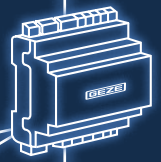
ANYTIME AND EVERYWHERE.

The challenge: continuously monitoring and operating over 180 GEZE safety door systems equipped with high-quality technology, most of them multi-functional. The solution: networking all of the automatic door systems to the building management system using IO 420 interface modules and the open BACnet standard.

The "Gateway to the campus"

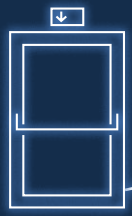
Over 180 GEZE door solutions in the new headquarters of Stuttgart IT company Vector. They are networked into the BACnet building management system using IO 420 interface modules.



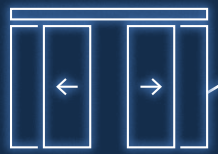


ASHRAE BACnet™

GEZE Cockpit works with the open BACnet communication standard in accordance with the ISO 16484-5 norm.



Automated escape route doors with emergency exit system (RWS)



Automated sliding doors with improved burglar resistance

Fire protection doors with hold-open systems

“THE GEZE-SPECIFIC SOLUTION WITH DOOR DISTRIBUTORS CONVINCED US.”

SCHMELZLE PLANNING FIRM + PARTNER

MULTIFUNCTIONALITY AND CLOSE COLLABORATION

The IO 420 BACnet interface modules handle data exchange between the doors and the building management system. Most of the interior doors are equipped with different variations of the GEZE electric strike program. Activated by the Powerturn drives or an access control system, they are also part of the building management system, allowing the doors to be opened automatically and remotely.

Complex door technology, fine-framed and centrally controllable. The LED background lighting of the door control unit (right) shows the “locked” door mode.

SYSTEM EXPERTISE AND SERVICE FOR A CUSTOMISED DIGITAL NETWORKING SOLUTION.

With a wide range of options for automating door, window and safety technology, digital networking solutions, and comprehensive expertise in building construction, GEZE impressed the developers and planners at the Schmelzle + Partner office. The complete system combines accessible door convenience, access control, burglar-resistance, emergency exit protection, and reliable smoke removal in case of a fire with remote operation and monitoring. The TZ 320 door control unit is the guiding security component of the entire system, controlling and monitoring the doors on site. Each individual door in the building can be remotely captured at any time and switched to a new status through the building management system. GEZE Cockpit also offers this function.

Indispensable in buildings with a large number of fine-framed doors: Small, electric strikes by GEZE allow for easy automatic opening.

Via the building management system: In the canteen, hold-open systems also help control the air-conditioning.

The hold-open system and the air conditioning control unit work together in the canteen. In case of a fire double-leaf full panic escape doors can be used across their full width as a barrier-free passage and a fresh air opening. The MBZ 300 emergency power supply control unit unlocks the doors in case of a fire using the self-locking IQ lock AUT panic lock, then automatically "bumps them up" to their maximum opening width using the K 600 retractable arm drive. The alarm status on the emergency power supply unit and the "Open" door mode activate the smoke extraction motors. The door mode is automatically transmitted to the building management system, allowing the building manager to act immediately: if the alarm status is reset, the hold-open systems will close using the door closers and lock automatically. In case of danger, the doors can be opened safely by pushing the panic bar.

Thanks to the building management system or thanks to GEZE Cockpit, building managers in buildings of this kind have control over when doors may be open and when they must be closed. Of course, users can operate the doors from the inside at any time. The door mode recorded by the GEZE Cockpit is transmitted to the climate control system, which can then regulate temperatures in an energy efficient way.

Likewise, the electrical hold-open devices on the doors can be activated or deactivated. In short: the "intelligent" control unit offers energy efficiency and burglar-resistance at the same time. And they also make the IT Campus a true Smart Building.

Maximum security in the auditorium: equipped with the IQ lock EL DL self-locking panic lock, both door leaves of the full panic door can be opened from inside in any situation. After escaping people have passed through, a safe lock protects the door against unauthorised access from the outside and provides protection against burglary. The IO 420 BACnet interface module can be used to approve the panic lock in the building management system to allow doors to be entered from the outside and monitor its status (locked / unlocked).

The FTV 320 escape door lock secures emergency exit routes against unauthorized entry. In case of danger, it also reliably unlocks under heavy preload. High retention forces prevent break-in attempts.

CONTACT US NOW TO DISCUSS YOUR PILOT PROJECT

Contact our networking specialists now and start your GEZE Cockpit today.

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