GEZE GmbH | Corporate Communications

Press release

GEZE Cockpit building automation system
Liveable buildings thanks to smart networking

Buildings become more liveable – safer, more efficient and more comfortable – when products from different subsections of the building communicate with each other. GEZE Cockpit, the first door, window and safety technology system, successfully achieves this. GEZE demonstrates how automated products can be networked and centrally operated and monitored. The building automation system can work independently, or be integrated into a building management system.

Networked and smart doors and windows

The interdisciplinary networking of door and window technology with smart software and open interfaces provides completely new options for planners and operators in terms of building automation. The BACnet communication standard enables the full intelligence of GEZE products (i.e. all available control options and status information) to be integrated into the building automation system using GEZE Cockpit. The truly 'intelligent' operation of doors and windows is possible because the system allows data from other devices and subsystems to be used. Doors and windows can therefore be controlled and monitored with the highest degree of precision.

- seasonal setting of the opening width of an automatic sliding door
- opening and closing of a window according to the external temperature, in coordination with weather stations and heating systems

Scenarios – the right reaction, automatically

Individual scenarios can be saved in GEZE Cockpit, so that doors and windows are opened and closed or doors locked automatically. This is triggered either by time or by a specific event.

- door monitoring and control, operating mode changes
- for targeted escape route release
- intelligent smoke and heat extraction

This also means that time-consuming inspections are no longer necessary, since the status of each connected element is reported. Malfunctioning doors, alarm and error messages can be easily identified and countermeasures implemented immediately.

Always a great atmosphere

Ventilation scenarios ensure an optimal indoor climate through the interplay of subsections. Integrated in GEZE Cockpit, the façade technology responds to changing climatic conditions.

- windows close according to the exterior temperature, rain/wind
- windows open according to the ambient temperature and air quality in the room
- energy-efficient night-time back cooling, e.g. in office blocks

The optimal GEZE Cockpit in any building

The system can be adapted to individual requirements – whether installed in airports, clinics, exhibition halls, office blocks or shopping centres. Because there's not just one GEZE Cockpit, we get involved in networking projects at the earliest opportunity and remain involved for longer. This ensures that all our customers' and partners' needs and the building requirements are met, and no questions are left unanswered, creating comprehensive and efficient solutions with the greatest added value. To achieve this, we connect all building development personnel in an efficient network and provide inspirational impulses – all in keeping with our slogan, 'Connecting expertise – building solutions'.

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Coordinated service packages
GEZE Cockpit features three different applications, depending on the situation and
to cover a wide variety of building requirements. Whichever software configuration
is implemented, the comprehensive service package and the expertise of our
networking specialists are always included.

Support in all project stages
- planning/project planning and management
- configuration and commissioning
- operator training
- maintenance and support

Operation with an IP-enabled device
GEZE Cockpit is operated using browser-based software. Any IP-enabled device –
be it a PC or tablet – can access and process information from the system. Up to
62 GEZE products can be connected to any system.

Meet all your requirements with GEZE Cockpit
Using the same hardware and software, GEZE offers various ways of connecting
GEZE products to all common building automation systems based on a BACnet IP.

Integration into the building management system
GEZE Cockpit connects GEZE products to the building management system via
BACnet IP. With the 'integration solution', all relevant data points of the connected
products are made available to the building management system for further
processing in cross-functional and interdisciplinary scenarios.

- easy connection of GEZE products to leading building management systems
- safety for building operators: flawless integration of a range of
  GEZE product functions into the building automation system
- centralisation of functions
- minimal interfaces

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Independent solution

In the 'stand-alone solution', the GEZE Cockpit is used for door, window and safety technology applications where less extensive building automation is sufficient, e.g. in small to medium projects.

GEZE Cockpit offers

- the potential for integration
- browser-based central operation and monitoring of integrated GEZE components
- separate interfaces for operators and users

The best of both worlds

The available integration and stand-alone solutions can be combined for more comprehensive building automation. GEZE Cockpit can remain unchanged in the building.

- Simple connection to the building management system by means of extended software functions

Further information:
http://cockpit.geze.com/

GEZE Cockpit is already being used successfully

Over 180 door solutions are networked in the GEZE Cockpit building automation system and integrated into the BACnet building automation system at the head office of the Stuttgart-based IT company Vector.

Further information:
https://www.geze.com/en/newsroom/intelligent-building-control/

Contact