



Integrating safety systems easily!



Connecting expertise – building solutions.



Integrating safety systems easily	04
myGEZE Connectivity World	06
The next generation of networking	08
myGEZE Control	10
myGEZE Visu	12
Automated escape route door with hold-open system and emergency exit system (RWS)	14
TZ 320 stainless steel door control unit	14
Powerturn F/R swing door drive	14
GC 342+ laser scanner	15
IQ lock EL electronic motor lock	15
FTV 320 escape door lock	15
FA GC 170 wireless extension	16
Smoke and heat extraction system	18
MBZ 300 modular bus control panel	18
Slimchain chain drive	19
Powerchain chain drive	19
Power lock locking drive	19
Networked ventilation control	
GEZE IQ box KNX	20
GEZE IQ box safety	22
Services provided by GEZE	24
Up-to-date	26

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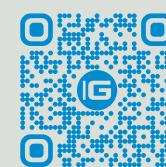
Integrating safety systems easily

Advancing smart solutions together!

Realising buildings in harmony with people and the environment is a great task. And sometimes a challenge, too.

Benefit from our many years of experience and development expertise to create smart façades, networked solutions and natural ventilation concepts. Together, let's advance smart solutions for building automation. While never losing sight of the bigger picture.

Our approach: empowering all those involved in the building life cycle and connecting the dots – enabling the creation of liveable buildings.



WATCH IMAGE VIDEO
How GEZE solutions make buildings liveable

www.youtube.com/watch?v=4YLr1VYKfbk



myGEZE Control

Integrating safety systems easily

As a global market leader in products, systems and services for door, window and safety technology, we bring you innovative solutions, and show you what modern smoke and heat extraction systems and emergency exit systems are all about. We focus in particular on BACnet and KNX networking. Networking automatic door and window drives and integrating them into a higher-ranking building management system delivers all new possibilities for safe, convenient, and energy-saving building operation.



Windows

GEZE window systems considerably increase comfort and safety in buildings. At the same time, they reduce energy consumption, and offer a wide variety of options, both visually and functionally. The range extends from drive systems for natural ventilation and exhaust through to complete solutions (smoke and heat extraction systems) for preventive fire protection.



Building automation

Building automation makes your building more liveable: more comfortable, safer, and more energy-saving. Indispensable in larger buildings, it enables monitoring and operation of the entire technical building system. For efficient building management in the smart building, we offer you a unique range of networking solutions.



Safety systems

GEZE safety technology sets the standard in preventive fire protection and protection against theft in escape and rescue routes. For each of these objectives, GEZE offers individual solutions and perfectly-coordinated concepts that combine individual safety requirements in an intelligent system.



Door systems

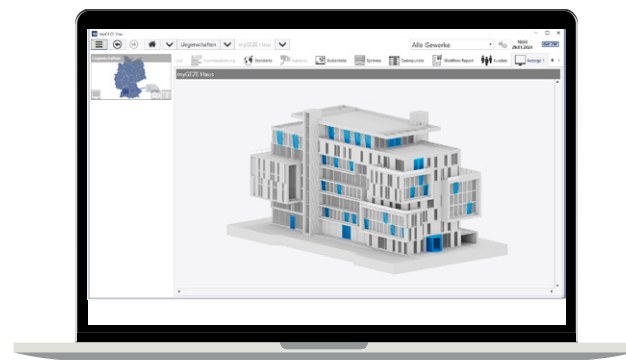
Door systems from GEZE open up the most diverse possibilities in door design. They are characterised by the latest innovative and high-performance drive technology, safety, barrier-free ease of access, and first-class universal drive design.



Networking solution

myGEZE Connectivity World

myGEZE Visu



Building management system



Physical security information management systems

ASHRAE BACnet™



myGEZE Control



EMERGENCY EXIT SYSTEM (RWS)



SMOKE AND HEAT EXTRACTION SYSTEM



FIRE PROTECTION DOORS WITH HOLD-OPEN SYSTEMS



NETWORKED DOOR SYSTEMS



NETWORKED VENTILATION CONTROL





myGEZE Control

The next generation of networking

— With myGEZE Control, we are bridging the gap in building automation with a smart solution for the networking of door, window and safety systems.

The myGEZE Control connectivity platform with modular software and open interfaces heralds completely new approaches to building automation for planners and operators everywhere.

- For greater efficiency, safety and comfort
- For dynamic safety and fire protection concepts, intelligent smoke and heat extraction and the targeted release of escape routes
- For more networking options

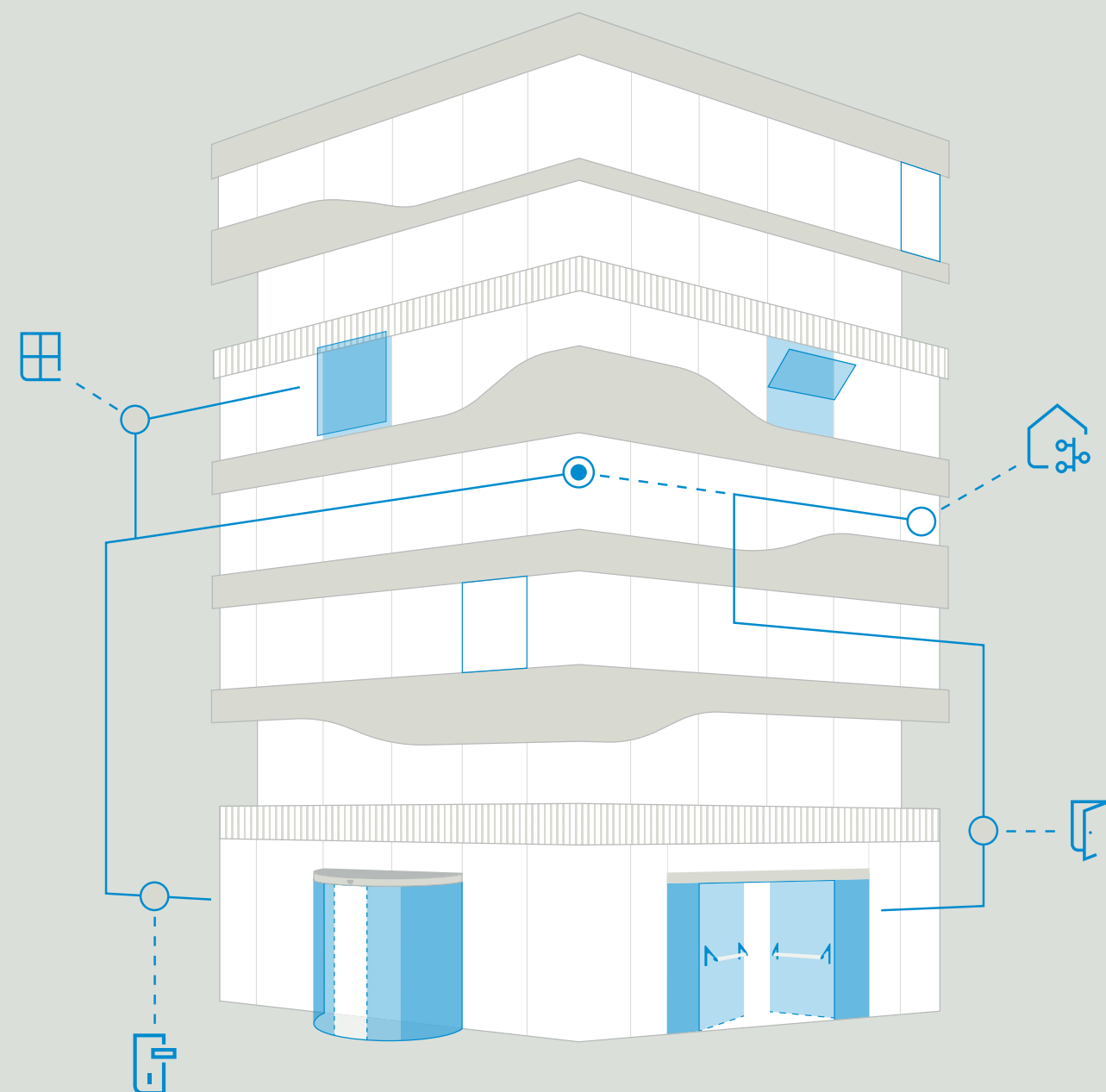
The central device is a standard control unit (PLC).

The hardware components consist of an embedded PC control system that has a certified BACnet communication interface. myGEZE Control can be integrated into building management systems, physical security management and CAFM systems from any manufacturer. In addition, standalone visualisation solutions for GEZE product systems are made possible by the myGEZE Visu software option.

The advantages of the new platform: automated processes and central monitoring make the system easier, more convenient and safer to use – while also enabling energy-efficient operation of the entire building. So you have complete control!

COMPACT

- Efficient and safe building automation and control system for GEZE products
- Up to 200 GEZE products can be connected, depending on the hardware configuration
- Secure data exchange via the BACnet and KNX communication standard
- BTL certified in accordance with BACnet standard ISO 164845
- High-performance hardware for installation in control cabinets (top hat rail mounting)
- BACnet device profile BACnet Building Controller B-BC

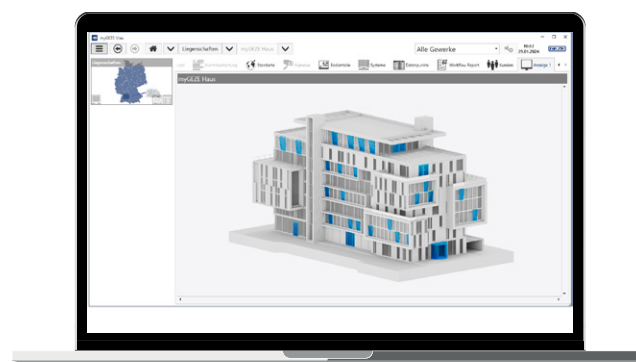


CAMPAIGN VIDEO

Discover the advantages of myGEZE Control:

www.youtube.com/watch?v=wbGqYKrLUis





myGEZE Visu

The visualisation system for myGEZE Control

— With myGEZE Visu, we are offering a new and comprehensive visualisation system as an expansion to myGEZE Control. In projects where integration of the door, window and safety technology into a higher-ranking building management system is not possible or desirable, it allows us to offer a customised visualisation solution.

- Visualisation system with modular and flexible authorisation concept
- Simple and intuitive interface configuration
- Usable across different devices, from mobile devices to stationary work stations or central control rooms

myGEZE Visu offers the operator the ability to make data and information from the entire GEZE product portfolio usable. Door, window and safety technology is visualised, operated and monitored, using the building management software. In addition, building processes can also be optimised, thereby increasing their efficiency. myGEZE Visu offers excellent advantages, in particular for smoke and heat extraction and emergency exit systems: the functional capabilities of and alarm messages from connected GEZE products are displayed in a pre-defined and intuitively adaptable alarm concept. This allows for quick and flexible intervention from anywhere. Any building management system can also be operated in parallel to using myGEZE Visu.

COMPACT

- Graphic visualisation of device statuses and remote operation of the modes of operation and actions
- Ability to locate the device on a building layout
- Scene control to control multiple devices at the same time
- Timed automatic triggering of scenes
- Parallel operation with any building management system possible



VISIT OUR WEBSITE

Learn more about our
Connectivity World:

<https://connectivity.geze.com/en>



EMERGENCY EXIT SYSTEM

Automated escape route door with hold-open system and emergency exit system

The myGEZE Control building automation and control system enables the release of emergency exit systems (RWS). Door control units, such as the GEZE TZ 320, can be monitored and return error messages and alarm statuses.



COMPACT

Door control unit TZ 320

- Full-surface impact cover ensures safe activation
- Coloured connectors facilitate electrical connection
- Freely configurable parameter setting inputs and outputs offer numerous options for additional components
- Number of inputs and outputs can be extended
- Complies with standards in accordance with EN 13637



COMPACT

Powerturn F/R automatic swing door drive

- Drive for single and double leaf swing doors
- Statement of approval for heavy fire protection doors
- Smoke switch control unit integrated invisibly in the cover
- Smart swing function for easy manual access
- Opening and closing even under adverse conditions (wind, suction, etc.)
- Installation is fast and easy
- Leaf widths up to 1,600 mm or leaf weights up to 600 kg
- Installed height of just 7 cm



COMPACT

GC 342+ laser scanner

- Laser scanner with complete door leaf protection
- Can be combined with all GEZE swing door drives for leaf widths of up to 1600 mm
- 'One button commissioning' and an automatic learning function
- Integrated wall blanking
- Full-surface door protection including secondary closing edge
- Fast, intelligent installation and commissioning



COMPACT

FTV 320: Safe unlocking, safe escape route

- Electrical escape door lock in connection with TZ 320 door control units
- Secures escape routes against unauthorised access
- Strong hold of more than 5,000 N thanks to tripe lock latch construction
- Reliable unlocking in the event of danger, even under high preload
- Protected against vandalism, thanks to the reporting of sabotage attempts
- Various installation options
- Easy and fast installation



COMPACT

IQ lock EL

- Motor lock for single leaf swing doors
- Cross latch construction for quick, jarring-free unlocking
- Different modes of operation (e.g., permanently night, hold open, etc.)
- Evaluation of potential-free contacts
- Forwarding to a monitoring system



FA GC 170 wireless extension

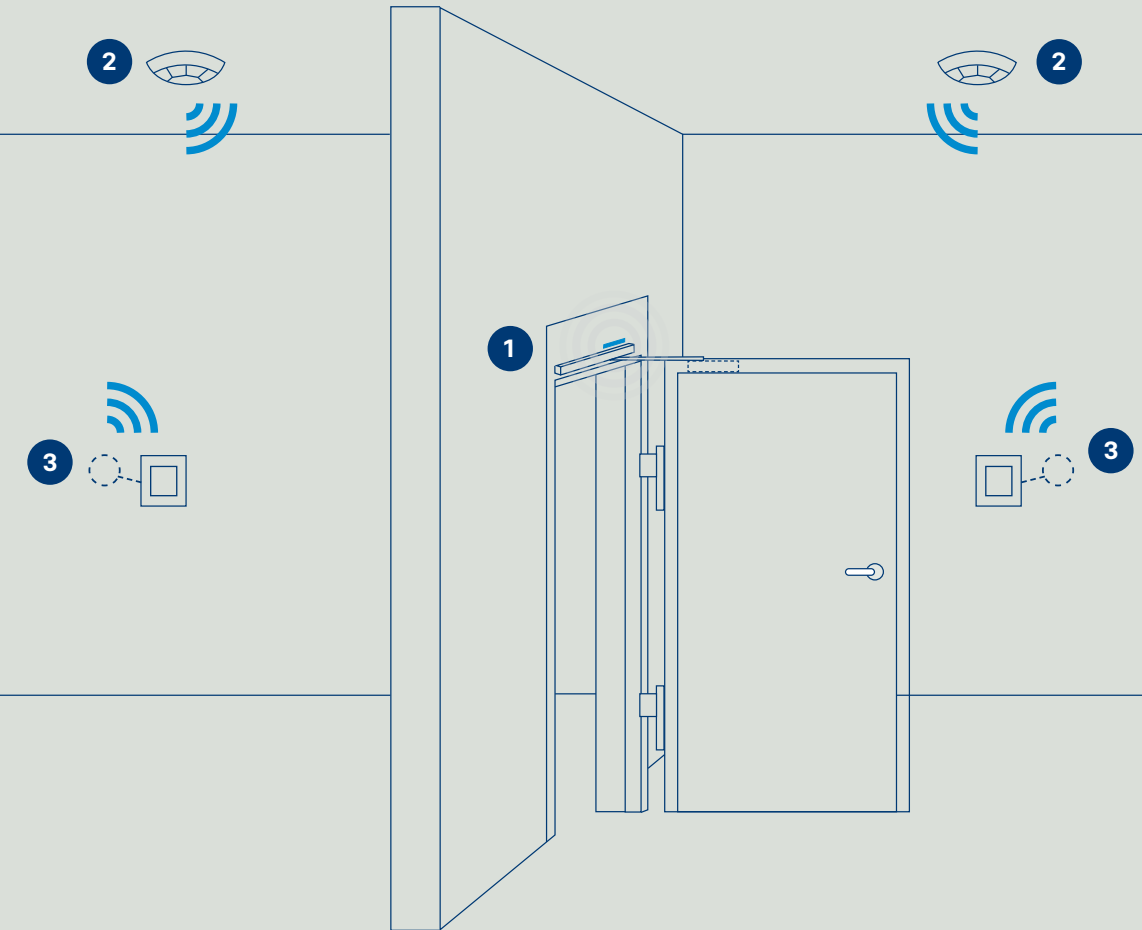
Clever components for hold-open systems

— The **GEZE FA GC 170 wireless extension** connects the ceiling-mounted detector and manual trigger switch wirelessly with the lintel-mounted detector of GEZE hold-open systems. Separate cable-laying is no longer needed. This facilitates planning, in particular in listed buildings. In addition, the solution can easily be retrofitted. The system has been tested in accordance with the European DIN EN 54-25 standard for fire alarm systems. The long battery life of eight years ensures low maintenance costs.

— **Double award winner:** the expert jury of the German Design Award 2019 honoured the wireless extension with a "Special Mention" in the Building & Elements category. At the ICONIC AWARDS 2018 Innovative Architecture, the FA GC 170 received the "Selection" award in the Product category.

COMPACT

- Wireless connection of ceiling-mounted detector and manual trigger switch with the lintel-mounted detector
- Optimised for all GEZE hold-open systems
- Simple planning and uncomplicated retrofitting
- Quick and easy connection with the DIP switch
- Low servicing costs, thanks to a long battery life of 8 years



EXAMPLE OF A HOLD-OPEN SYSTEM WITH WIRELESS OR WIRED COMPONENTS

- 1a** Power supply for hold-open device/ trigger mechanism, e.g. R guide rail
- 1b** TS 5000 ECLine door closer
- 1c** GC 171 wireless module
- 2** GC 172 / GC 173 wireless ceiling-mounted detector
- 3** Manual trigger switch with GC 175 wireless input module





SHEV CONTROL PANELS

Smoke and heat extraction system

The MBZ 300 modular SHEV control panel takes over control of the smoke and heat extraction system. In combination with the GEZE bus interface module, the MBZ 300 can be integrated in the building management system, and extensive ventilation scenarios can be realised.



COMPACT

MBZ 300: flexible control panel

- Bus control panel in the case of fire and daily ventilation
- Takes over the power supply to all connected opening systems when smoke and heat extraction is needed and ensures their coordination and monitoring
- Flexible modular design, can easily be extended
- Mapping of even complex smoke and heat extraction systems with PC software
- Configurable ex-works as an individual solution
- Can be used as a central control unit or in the form of multiple networked control units



COMPACT

SHEV control panels**THZ N4 and THZ Comfort N4**

- Plastic housing (THZ) or metal housing (THZ Comfort) with integrated SHEV and ventilation buttons
- Compact staircase control panels with an output power of 4.5 A
- New connector for the motor line makes wiring considerably easier
- Individual adjustment with parameter settings (ST 220 interface)



COMPACT

Slimchain: slim all-round choice

- Compact chain drive for unobtrusive façade design
- Suitable for natural ventilation, smoke and heat extraction systems and natural smoke and heat exhaust ventilation devices
- Different stroke variants of 300 mm, 500 mm and 800 mm
- Individually-adjustable drive strokes and speeds
- Simple synchronisation of up to four drives, without external control device



COMPACT

Powerchain: genuine power package

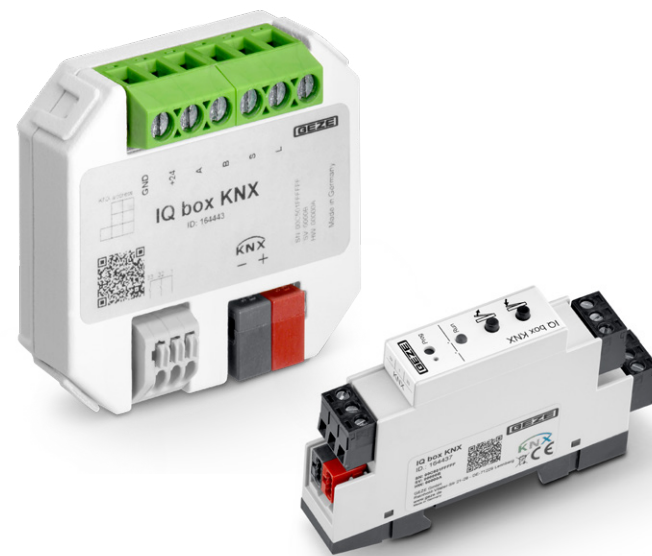
- Strong chain drive for heavy window façades, roof windows and skylight domes
- Suitable for natural ventilation, smoke and heat extraction systems and natural smoke and heat exhaust ventilation devices
- Achieves high opening speeds in the case of fire
- Different stroke variants of 600 mm, 800 mm and 1,200 mm
- Individually-adjustable drive strokes and speeds
- Simple synchronisation of up to four drives, without external control device



COMPACT

Power lock: Secure locking mechanism

- Locking drive for large windows
- Suitable for use in frame and leaf installation
- Flexible retrofitting with the chain and spindle drives
- Can be used with Slimchain, Powerchain and the E 250 NT spindle drive in natural smoke and heat exhaust ventilation devices
- For use with standard market central locking devices
- Simple commissioning and automatic sequence control



GEZE IQ box KNX

Window and components in direct dialogue

— **Natural, energy-efficient fresh air intake** —
controllable according to your needs at any time. The GEZE IQ box KNX interface module allows for direct connection of GEZE window drive (IQ windowdrive) into KNX building systems. This then allows for dialogue with additional KNX capable components, for example push buttons and sensors. Unlike simple switch actuators, the IQ box KNX accesses the intelligence of the window drive and reports the status of a window back to the KNX building system or the building management system after a 'command' has been executed. Likewise, further window information is made available via the module, for example the exact opening width.

COMPACT

- Precise positional activation of GEZE IQ windowdrive
- Safe integration into the KNX world
- Easy and time-saving installation and commissioning
- Scalable system – according to requirements
- Reliable status report from every automated window
- More efficient window monitoring



Connecting+
myGEZE Control



GEZE IQ box Safety

Safe ventilation with power-operated windows

— The **IQ box Safety** is a new product solution for safe ventilation. With the IQ box Safety as a maximum safety TÜV-tested solution, power-operated windows can be secured up to protection class 4. The IQ box Safety is suitable for closing edge protection on automated windows with drives from the 24 V IQ windowdrive series, and enables the connection of safety edges and non-contact sensors. One IQ box Safety connects up to four window drives and two locking drives per window. It is suitable for natural ventilation and smoke and heat extraction, and for all activations (e.g., SHEV control panel, 24 V power supply, KNX, IQ gear). It thus offers planners and architects high flexibility and creative freedom when designing ventilation and smoke and heat extraction system windows.

COMPACT

- Complies with highest protection class requirements in accordance with Machinery Directive protection class 4
- TÜV-tested functional safety in accordance with DIN EN 13849-1
- Easy and quick commissioning thanks to default standard parameters
- Four sensor connections, can be assigned to safety edges and/or non-contact sensors
- Top hat rail module with plug-in terminals for quick and easy wiring
- Integrated push button for closing windows manually during servicing



VISIT OUR WEBSITE

Discover the advantages of
our IQ box Safety

www.geze.com/en/products-solutions/p_135269

SERVICES PROVIDED BY GEZE

Fast, efficient, reliable

Customer satisfaction takes top priority at GEZE. From the initial consultation and customised customer solutions, to commissioning, regular maintenance and trainings: services from GEZE reliably ensure better planning security and reduce work and costs in your everyday work.

—— Data package for LogiKal (Orgadata): efficiency for planning. Planners and metal constructors can also access GEZE product data when planning, calculating and constructing façades. The LogiKal software solution from Orgadata optimises planning and manufacturing processes, and saves time and costs. The technical data for GEZE products can easily be included in the calculation and planning as package solutions at the click of a mouse, and integrated in further manufacturing processes. Special wishes can also be accommodated without any problem. This means that even technically perfect complex systems can be planned and manufactured without complications.

—— GEZE Customer Solutions: creative freedom with specialised solutions. With GEZE Customer Solutions, customers benefit from sophisticated, individual and special solutions that offer the best possible safety and convenience. And all from a single source. A central contact person is available for any questions, from the initial idea through to commissioning. Whether it's about special building requirements, traffic access applications, or solutions for machinery and plant. Customised solutions from GEZE meet every requirement.

COMPACT

- Optimum planning and manufacturing processes
- Flexible choice and composition of GEZE products
- Broad scope of functions and simple handling
- Efficient and precise planning and production of solutions to match requirements

COMPACT

- Sound advice for individual requests, national and international service
- Compilation of customised, cross-product (special) solutions e.g., for buildings, ships, trains, transport vehicles or machines
- Coordination of the interfaces in case of specific demand
- One central contact person to answer all your questions



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UP-TO-DATE

Stay informed

From interesting use cases for liveable buildings and technical building systems, information on upcoming trade fairs and events, or news and facts on our door, window and safety technology products: subscribe to our monthly newsletter and keep up-to-date on trends in the construction industry! Register now, and don't miss a thing!

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