



BUILDING SAFETY. WITH SYSTEM SOLUTIONS.

GEZE SAFETY SOLUTIONS AND SERVICES

MULTIFUNCTIONAL, SAFE, COMFORTABLE: GEZE SAFETY SOLUTIONS



In public buildings, the demands on safety and security components are almost as varied and individual as the specific building. They have to fulfil a whole series of requirements ranging from legal insurance-related specifications to access for all. GEZE safety solutions guarantee safe smoke and heat extraction (RWA), close off fire sections and clear rescue routes. If the building includes sensitive areas where restricted access is required, GEZE access control systems provide the required monitoring.

Whether at airports, in hospitals or at convention centres: The multifunctional products for windows and doors supplied by GEZE are interrelated, producing a system that not only provides optimum protection in an emergency and convenience during normal operation, but one that can be planned and installed reliably.

REMOVE SMOKE FROM RESCUE ROUTES: WITH GEZE RWA SOLUTIONS

One central task of preventive fire protection: to keep smoke levels in escape and rescue routes low. For this reason, smoke and heat extraction systems (RWA) are decisive components in building planning. They are usually made up of an emergency power control unit, RWA buttons and an automatic release by smoke detector, for example. Other components can include windows or roof domes with automatic drives as smoke extraction openings and automatic doors as ventilation openings as required.



GEZE RWA solutions
save life when fires break out.



Detectors recognise smoke formation:

GEZE smoke detectors, manual RWA buttons or a central fire alarm unit send an alarm signal to the emergency power control unit.

One control unit supplies, controls and monitors all RWA components:

VdS-certified GEZE emergency power control units supply the signal to open windows and doors. They ensure that all RWA components react reliably even in the event of a power failure.

Intelligent drives guarantee low-smoke rescue routes:

GEZE RWA window drives create smoke dissipation areas or ensure that SHEV (smoke and heat extraction devices) are opened in accordance with EN 12101-2. Automatic sliding door systems and automatic drives for swing doors create fresh air openings, allowing the smoke to escape according to the natural principle of thermal lift.

CLOSE DOORS SAFELY: WITH GEZE FIRE PROTECTION SOLUTIONS

Doors between fire sections have to close safely in order to prevent smoke and fire spreading. Door closer systems with an integrated smoke detector – with manual or automatic opening – make an important contribution here. These systems, known as “hold-open systems”, hold doors open conveniently as required, and can easily be integrated in the building safety plan when combined with fire protection components.

With GEZE system components, doors close exactly when they are meant to.



Detectors recognise smoke formation:

GEZE door closer systems with integrated smoke detectors – hold-open systems approved by the building authorities – react to smoke gases in an emergency: the electrical hold-open device is released and the door closes safely. If the door is a double-leaf door, an integrated closing sequence control feature makes sure the leaves close correctly.

Intelligent drives close doors safely and reliably:

Different GEZE drives for automatic swing and sliding doors can be integrated in fire protection systems. During normal operation they ensure optimum ease of access, and in the event of a fire they close securely.



CONTROLLED ROUTE CLEARANCE: WITH GEZE SAFETY AND SECURITY SOLUTIONS

In public buildings, people must always be able to find their way outside. A tailor-made safety system that reliably controls all the components – from RWA and fire protection solutions through to emergency exit openers – is essential.

Everyone has to be able to get out in an emergency – but not everyone should always be allowed to enter. Laboratories require controlled access, for example. The door only opens after the access control system has identified the person outside. Multifunctional system solutions combine the requirements of safety and security solutions.



Controlled access systems protect sensitive areas:

GEZE access control systems, which use fingerprints or barrier-free systems such as wide-range readers with “hands-free” functionality, ensure that only authorised persons are allowed to enter.

Central control units guarantee a safe escape:

GEZE emergency exit systems with door control units and tailor-made system solutions monitor several emergency exit doors in the GEZE bus network. This guarantees that all the components work together in an emergency – for safe escape and rescue routes.

Safe rescue routes and access control with intelligent GEZE technology.

Safe rescue routes and access control in one system:

GEZE motor locks with panic or full-panic function unlock doors by motor following a signal from, for example, the access control system. In an emergency, they can always be unlocked mechanically, after passage the self-locking function ensures they are locked in line with insurance requirements again.



SAFETY FROM A TO Z: GEZE OFFERS SYSTEMATIC SERVICE

From initial project consulting through commissioning to regular after-sales service and training: our comprehensive range of services not only guarantees reliable project planning, it also reduces both effort and costs.

We offer...

...support in every construction phase

with standard-compliant and cross-trade advice by GEZE Project Consulting, for example preparation of cable plans.

...first-class order support

with user-oriented tools such as the GEZE System-Shop for individual offers and orders.

...individual branch solutions

with comprehensive safety systems for all types of usage requirements – for hospitals, airports or hotels.

... maximum design freedom

with individual customised solutions from a single source, and cross-product technical know-how, customer and process-oriented thanks to GEZE Application Engineering. Support is provided by the technical project management and GEZE Sonderkonstruktion GmbH.

...knowledge and products

to meet legal requirements and safety-related

standards such as DIN 18650, DIN EN 179 and EN 1125.

...comprehensive service with added value

with innovative, technology-based and sustainable services – not only for GEZE products.

...tailor-made service concepts

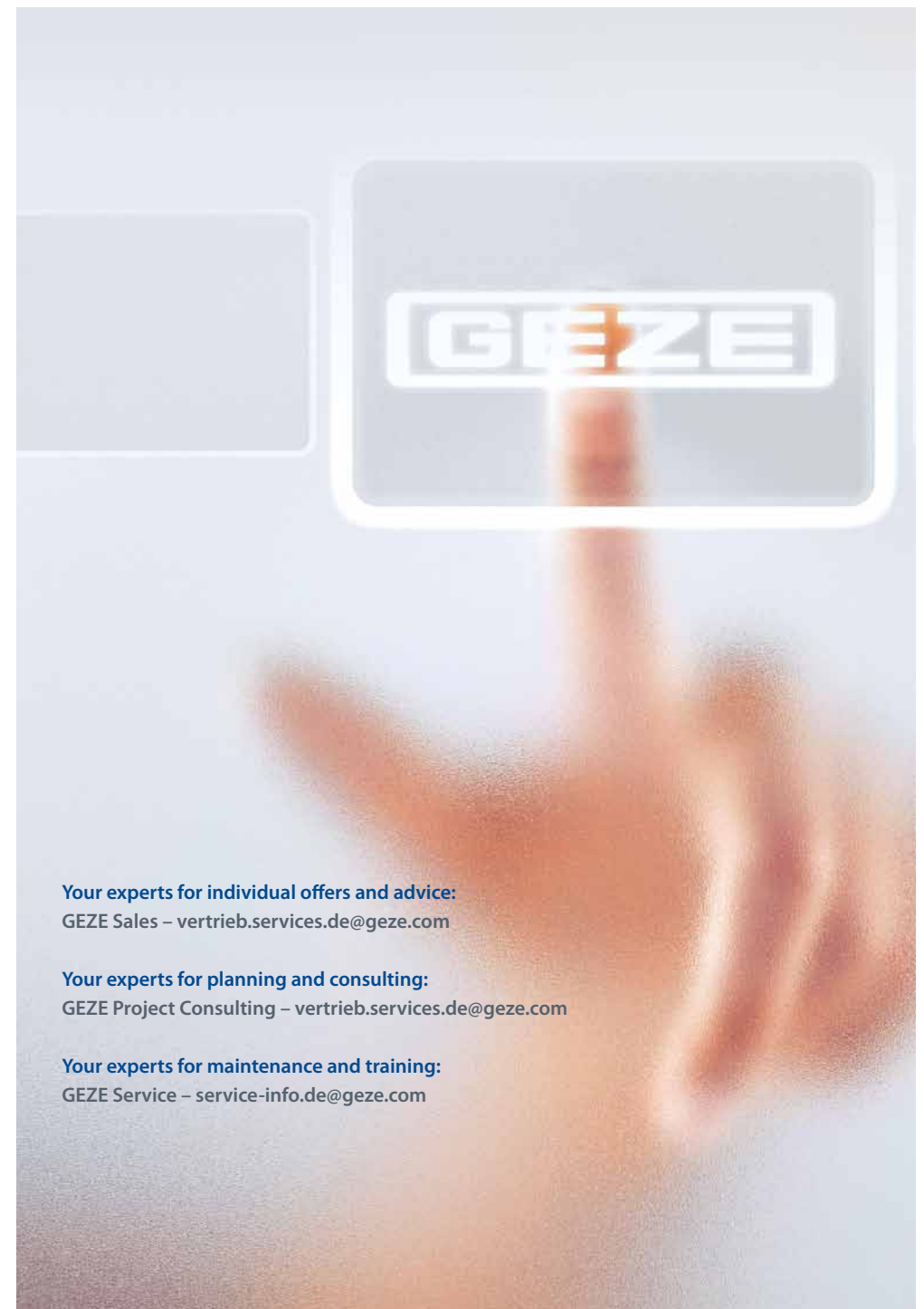
with individual packages, such as the extended guarantee periods in the GEZE service package standard plus.

...simple installation and flexible retrofitting

with intelligent technology that even allows the straightforward retrofitting of elements such as additional safety components.

...the very latest branch-specific know-how

at seminars and lectures where GEZE experts provide a very practical-minded insight into our products.



Your experts for individual offers and advice:

GEZE Sales – vertrieb.services.de@geze.com

Your experts for planning and consulting:

GEZE Project Consulting – vertrieb.services.de@geze.com

Your experts for maintenance and training:

GEZE Service – service-info.de@geze.com



RM 1003

Smoke detector for smoke and heat extraction systems



Slimdrive EMD F/R-IS

Electromechanical drive for single and double leaf doors with integrated smoke switch



MBZ 300

The modular RWA control unit is used to supply, coordinate and monitor all connected opening systems and components



GC 152

Smoke detector for use on hold-open systems



TS 5000 R-ISM-EFS

Door closer for double-leaf doors with integrated mechanical closing sequence control and electromechanical hold-open device with smoke switch control unit and freewheeling function



E 250 NT

Spindle drive for use on skylights or in opening and locking systems for particularly wide opening of windows in facades



Slimchain

RWA electrically-operated chain drive for bottom-hung, top-hung and side-hung windows, skylight windows and light domes



IQ lock AUT

Self-locking full-panic lock for double leaf doors



Slimdrive EMD F

Electromechanical drive for single and double leaf doors with integrated smoke switch



TZ 320

Door control unit for monitoring several emergency exit doors with network function



GCFP 401

Biometric reader for inside and outside use, for access control or for user identification



Slimdrive SL-FR RC2

Burglary-resistant automatic sliding door system, tested according to Resistance Class 2 for single and double leaf doors



Wide-range reader GCLR

Access control and personal protection system with transponder for inside and outside applications



BUILDING SAFETY WITH GEZE

ID No. 158525

GEZE GmbH

Reinhold-Vöster-Str. 21 -29
71229 Leonberg
Germany

Tel.: +49 (0)7152 203-0

Fax: +49 (0)7152 203-310

E-mail: vertrieb.services.de@geze.com

www.geze.com