



Smart Solutions.
Made by GEZE.

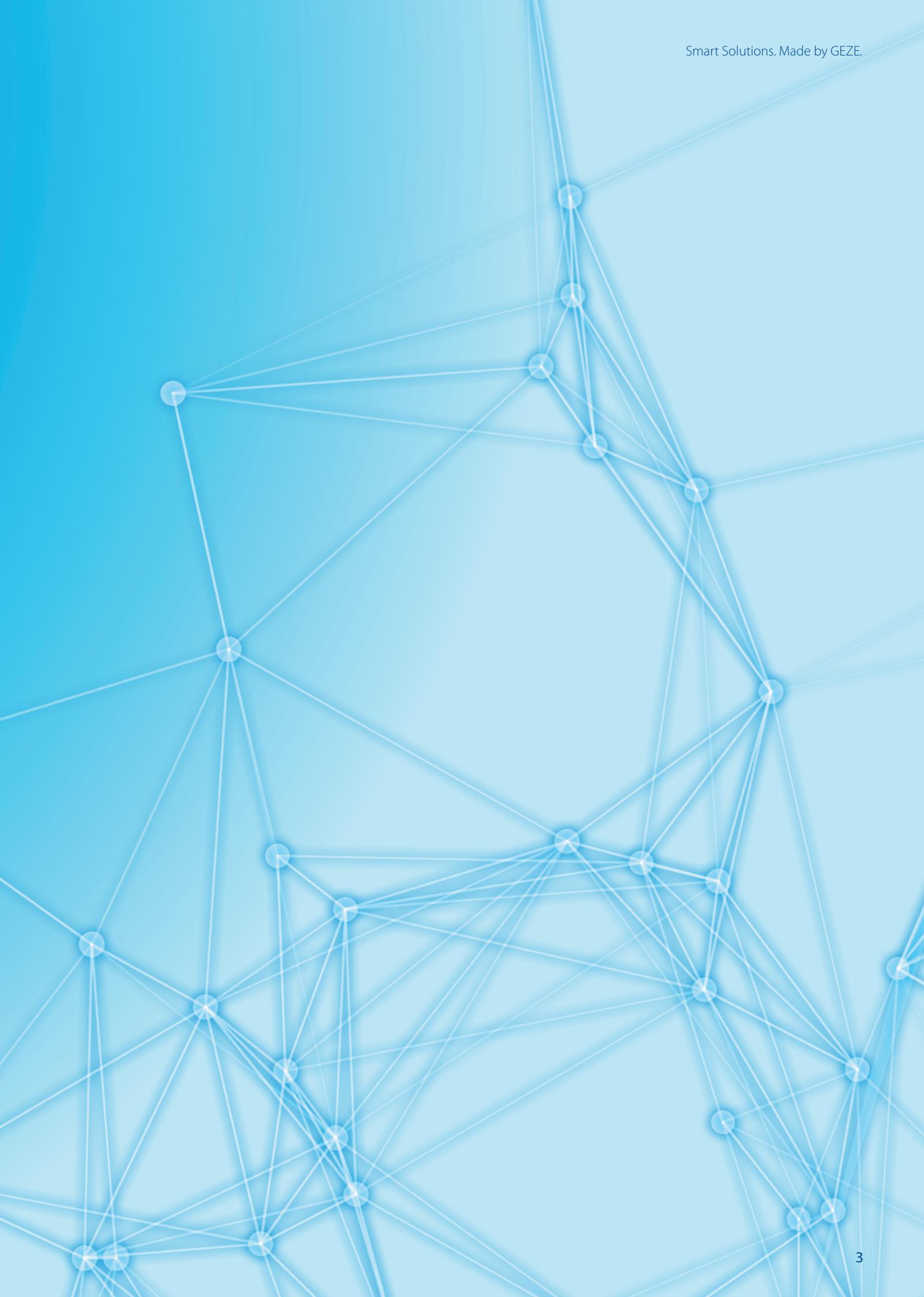


Smart Solutions. Made by GEZE.

GEZE solutions turn buildings into "Smart Buildings". As a system provider we combine safety systems and drive technology to create innovative, networked and modular solutions: everything from a single source. With our new interface modules, GEZE products can also be integrated into the widely used communication standards of home and building system technology.

Whether at airports, in hospitals or in administrative buildings: with multifunctional GEZE products for doors and windows, networked system solutions for safety and comfort in the field of building operation can be created. They guarantee, for example, safe smoke and heat extraction, fire compartmentation and clear escape routes. If the building includes sensitive areas where restricted access is required, GEZE access control systems clear routes in a monitored way.

For networked safety: Made by GEZE.



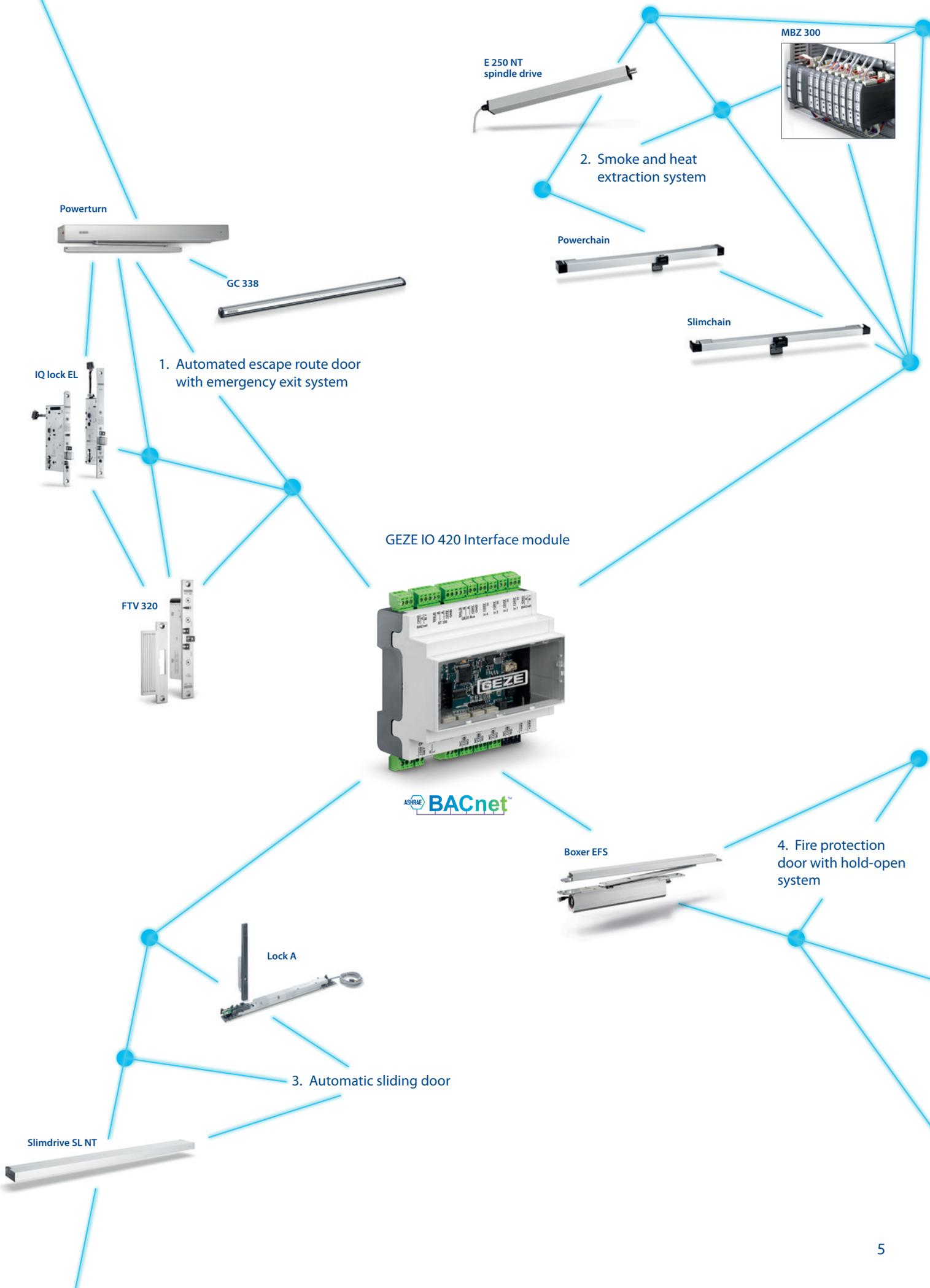
GEZE IO 420 interface module: the networker for building management systems

With the GEZE IO 420 interface module, GEZE products from the automatic door systems, window technology, smoke and heat extraction systems, and safety technology range can be integrated quickly and easily into network solutions with BACnet and networked with one another through BACnet MS/TP. This intelligent module enables central visualisation and control of all automatic door systems via the building management system. In this way, monitoring and setting the operating modes of doors, emergency exit protection systems and windows does not only save time, but it also optimises the energy balance sheet and increases security.



At a glance:

- access to the future-oriented BACnet world
- standardised networking of all GEZE automation solutions
- easy integration in building management systems
- MS/TP interface
- BACnet device profile B-ASC
- certified in accordance with the BACnet standard ISO 16484-6



1. Automated escape route door with emergency exit system

The IO 420 interface module makes it possible to release emergency exit systems via a building management system. Door control units can be monitored and report errors and alarm statuses. In case of danger, electric locks and swing door drives are controlled automatically and emergency exit routes are activated – for safe and efficient building management.

Powerturn: strong connection

- for single and double-leaf swing doors
- Smart swing function for easy manual access
- for door leaf widths of up to 1,600 mm or leaf weights of up to 600 kg
- approved for heavy, fire protection doors
- three-stage gear
- safe opening and closing under adverse conditions (wind, draught, etc.)
- optimised roller guide rail
- quick and easy installation
- low overall height of only 7 cm



GC 338: slim, efficient safety sensor

- secures automatic swing and revolving doors thanks to sensor technology
- offers an extremely slim, space-saving profile
- can be combined with all GEZE swing door drives for leaf widths of up to 1,500 mm
- “one button commissioning” and automatic learning function
- quick installation thanks to installation system without any tools



FTV 320: secure unlocking – safe escape route

- electric escape door lock combined with TZ 320 or TZ 300 door control units
- secures escape routes against unauthorised access
- strong hold of over 5,000 N thanks to three-latch-construction
- reliable unlocking in case of danger, even under heavy preload
- vandalism protection: reporting of sabotage attempts
- versatile installation options
- quick and easy installation



IQ lock EL: electronic motor lock

- motor lock for single-leaf swing doors
- cross-latch construction for quick, jarring-free locking
- different operating modes (e.g. night-time operation, permanently open, etc.)
- potential-free contact evaluation
- routing to a monitoring system



2. Smoke and heat extraction system

The MBZ 300 modular Smoke and heat extraction control unit takes over control of the smoke and heat extraction system. Combined with the new IO 420 BACnet interface module, MBZ 300 can be integrated into the building management system and implement a wide range of ventilation scenarios.

MBZ 300: control unit to meet every need

- bus control unit for smoke and heat extraction and daily ventilation
- will take over the power supply to all connected opening systems in smoke and heat extraction situations and ensure their coordination and monitoring
- flexible modular design, can easily be extended
- mapping of even complex smoke and heat extraction systems with PC software
- can be configured ex works as an individual solution
- can be used as a central control unit or in the form of multiple networked control units



Slimchain: slim all-rounder

- compact chain drive for unobtrusive façade design
- suitable for natural ventilation, smoke and heat extraction and SHEVs
- different stroke versions of 300 mm, 500 mm and 800 mm
- individual adjustment of drive stroke and speeds
- easy synchronisation of up to four drives without an external control unit



E 250 NT spindle drive: wide range of application areas

- suitable for natural ventilation, smoke and heat extraction and SHEVs (natural smoke, heat and exhaust ventilation systems)
- available in eight different stroke versions
- achieves high opening speeds in smoke and heat extraction situations
- fulfils diverse requirements, e.g. for tensile/compressive forces or opening widths
- easy synchronisation of up to four drives without an external control unit



Powerchain: genuine power package

- strong chain drive for heavy window façades, roof windows and skylights
- suitable for natural ventilation, smoke and heat extraction and SHEVs
- achieves high opening speeds in smoke and heat extraction situations
- different stroke versions of 600 mm, 800 mm and 1,200 mm
- individual adjustment of drive stroke and speeds
- easy synchronisation of up to four drives without an external control unit



3. Automatic sliding door

GEZE automatic sliding door systems open and close entrances reliably and provide barrier-free access. The Lock A automatic hook bolt lock, fully integrated into the main closing edge, provides for a secure lock as required. IO 420 monitors and controls the automatic components via a building management system.

Slimdrive SL NT: sleek all-rounder

- automatic sliding door system, ideal for glass facades
- low overall height of just 7 cm
- moves leaf weights of up to 125 kg
- easy commissioning, maintenance and diagnosis
- easy installation thanks to modular design and new track

Lock A: a secure lock

- fast, secure and automatic locking and unlocking
- high-level security thanks to locking on the main closing edge
- virtually invisible installation, concealed by the leaf profile
- without additional composition or soil preparation
- parameters can easily be set and control is made easy via a sliding door system



4. Fire protection door with hold-open system

Fire protection doors which are held open electrically with a hold-open system for barrier-free use can be closed from a central point in case of emergency thanks to the IO 420. This helps to reliably prevent the spread of fire.

Boxer EFS: integrated free swing door closer

- closing force can be variably adjusted from EN 4 to EN 6
- comfort hold-open function at the end of the free swing area as standard
- flexible spindle extension by 4 or 8 mm possible using accessories
- reduced inventory costs as DIN left and DIN right lever can be used
- simple door processing thanks to compact installation dimensions





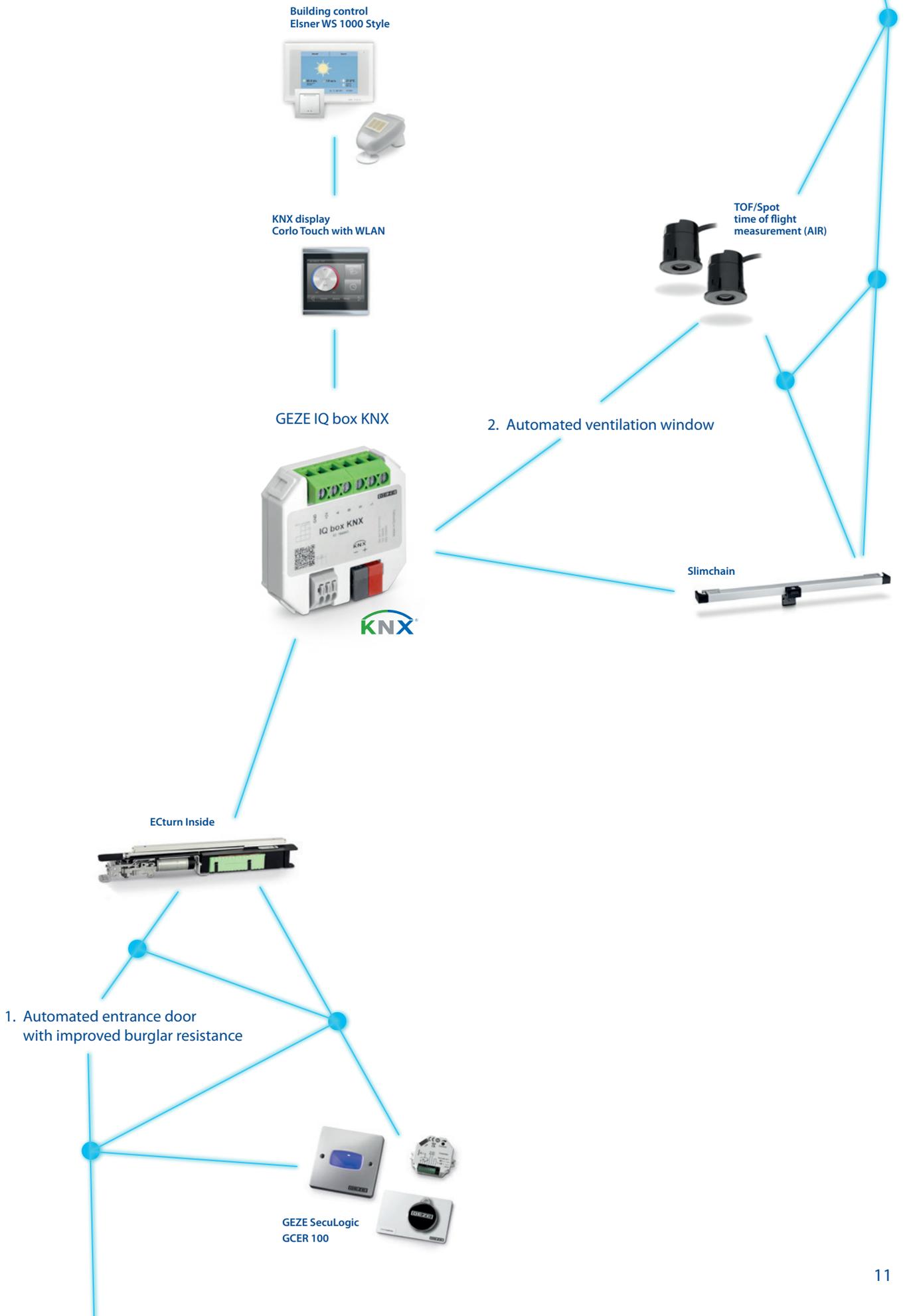
GEZE IQ box KNX: direct dialogue between windows and components

A natural, energy-efficient supply of fresh air whenever needed – entirely on demand and under control at all times: the new GEZE IQ box KNX interface module allows GEZE IQ windowdrives to be directly incorporated in KNX building systems. Thus enabling a dialogue with other KNX-enabled components, such as push buttons and sensors. In contrast to simple switch contacts, the IQ box KNX uses the intelligence of the window drives and after performing a 'command' reports the mode of a window to the KNX building system or building management system. More detailed window information is also made available via the module, such as the precise opening width.



At a glance:

- precise positional activation of GEZE IQ windowdrives
- safe integration in the KNX world
- easy and time-saving installation and commissioning
- scalable system – depending on the needs
- reliable status report from every automated window
- more efficient window monitoring



1. Automated entrance door

Outstanding protection against burglary, controlled access and comfortable use: multifunctional door systems are also becoming increasingly important in the entrance areas of private houses or smaller commercial buildings. GEZE offers solutions that are fully tailored to the individual need. For example with the ECTurn Inside automatic swing door drive, a multi-point locking system and the new SecuLogic GCER 100 stand-alone access control system. This can be combined with all motor locks and multi-point locking systems on entrance doors. It also fits perfectly into the world of GEZE system products and controls swing and sliding door drives, electric strikes, panic locks and emergency exit protection.

ECTurn Inside: accessibility inside and outside

- compact automatic swing door drive
- flexible integration in various door leaves or door frames
- operation in low-energy and automatic mode
- for door leaf widths of up to 1,100 mm or leaf weights of up to 125 kg
- optional rechargeable battery for continued operation in the event of a power failure
- additional sensors can be connected



GEZE SecuLogic GCER 100: keyless access control

- access control system for smaller buildings and up to 100 persons
- use of ID cards, key rings ("tags") and all standard car keys possible
- managed using a master card
- encrypted data transmission for high data security
- straightforward commissioning
- inside and outside use



2. Automated ventilation window

The GEZE solutions for ventilation and indoor climate control complete the comprehensive range of drive systems for daily ventilation, as well as the GEZE smoke and heat extraction systems and can be optimally combined with these. Via a KNX interface of the indoor climate control, this control can be integrated into an overall KNX system, and existing KNX devices can be used for its activation. GEZE solutions offer building operators a variety of automation, comfort and safety functions.

Slimchain: slim all-rounder

- compact chain drive for unobtrusive facade design
- suitable for natural ventilation, smoke and heat extraction systems and SHEVs
- different stroke versions of 300 mm, 500 mm and 800 mm
- individual adjustment of drive stroke and speeds
- easy synchronisation of up to four drives without an external control unit



TOF/Spot time of flight measurement (AIR): compact unit

- self-monitored compact sensor
- precise light beam for protection
- hiding of certain detection areas
- excellently suited for use in facade, wall or ceiling components
- inside and outside use (IP rating IP65)
- detection field size approx. 40 x 40 mm at 2 m distance
- maximum distance to the background 6 m
- minimum distance to the background 0.2 m







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