



Master Key Systems

Examples, functions
and solutions.



Customised access management
with mechanical key systems

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Our brand promise
We stand for trust.

With over 150 years of experience and millions of products and solutions installed worldwide – from push button locks and door closers to highly complex, networked access solutions with smartphone access – dormakaba is your reliable partner for secure and flexible access to buildings and rooms.

01







Your trustworthy partner for smart access solutions

No matter where you need innovative, reliable access and security solutions, we are there for you with our high-quality portfolio: in hotels, shops, sports facilities, airports, hospitals, at home or in the office.

We are one of the top three companies for access control and security solutions in the global market. We provide everything you need for secure access to buildings and rooms, all from one single source.

More than 15,000 employees and numerous cooperation partners are ready to assist you in over 130 countries. So no matter where you are, you can benefit from our range of future-oriented products, solutions and services that give you a sustainable sense of security.

Mechanical key systems

Keep your keys under control

As infrastructure grows exponentially, so does the need to support this development with adequate security systems. Increased access points result in multiple locks that require efficient security management. This is where the dormakaba master key systems come in, by enabling access according to our customers' requirements and using entry restrictions to their advantage.

A master key system is a key plan whereby selected keys can open a number of pre-defined doors. It extensively analyses and assesses our customers' requirements. Moreover, it can deliver solutions for even the most complex access management challenges and helps maintain better control, saves key replacement costs and is convenient, as there are a lower number of keys in circulation. It also provides quick access to all rooms within the premises, e.g. for security staff and management personnel. This is not only convenient but can save lives in case of emergency.



With a mechanical key system, you control your keys and access rights, providing quick access to all rooms within the premises and saving key replacement costs.

Customised access management

Cleverly organised with master key systems



Master key systems is a complete product range that provides the most extensive access security solutions, which can be customised for large facilities to smaller solutions for niche customer profiles. The various typologies of dormakaba master key systems are as illustrated below:

Key to Differ (KD)

Each cylinder can be operated by its own key.

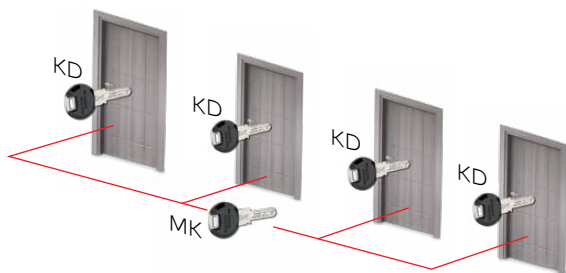
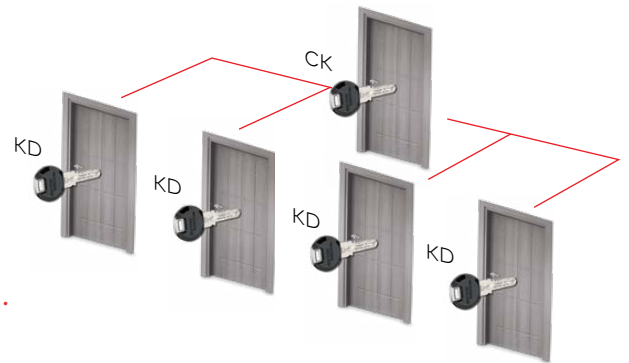


Keyed Alike (KA)

Several cylinders with the same permutation can be opened by the same key.

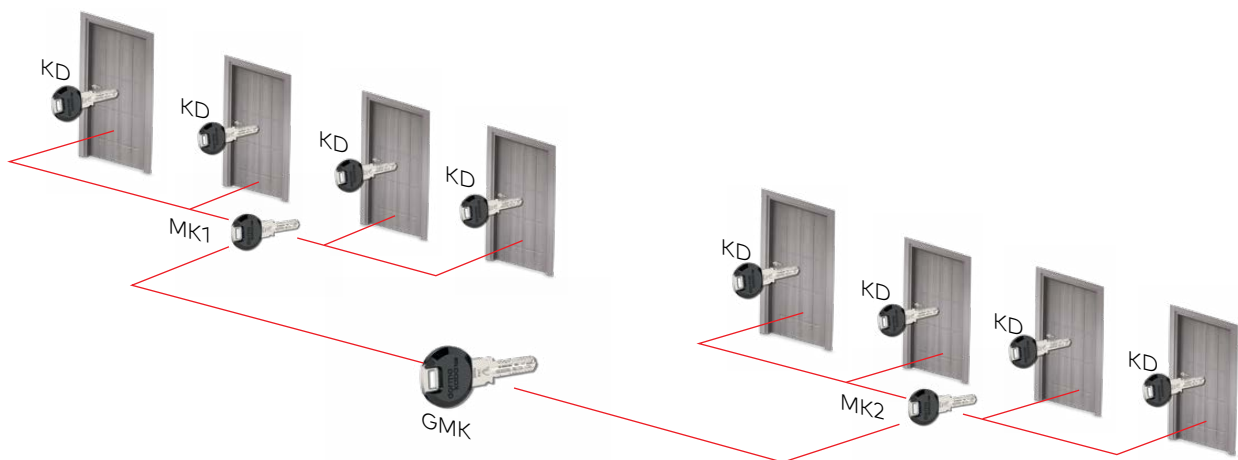
Central Locking System (CK)

Each key opens only its own cylinder and the centrally locking system (e.g. the common entrance in an apartment block).



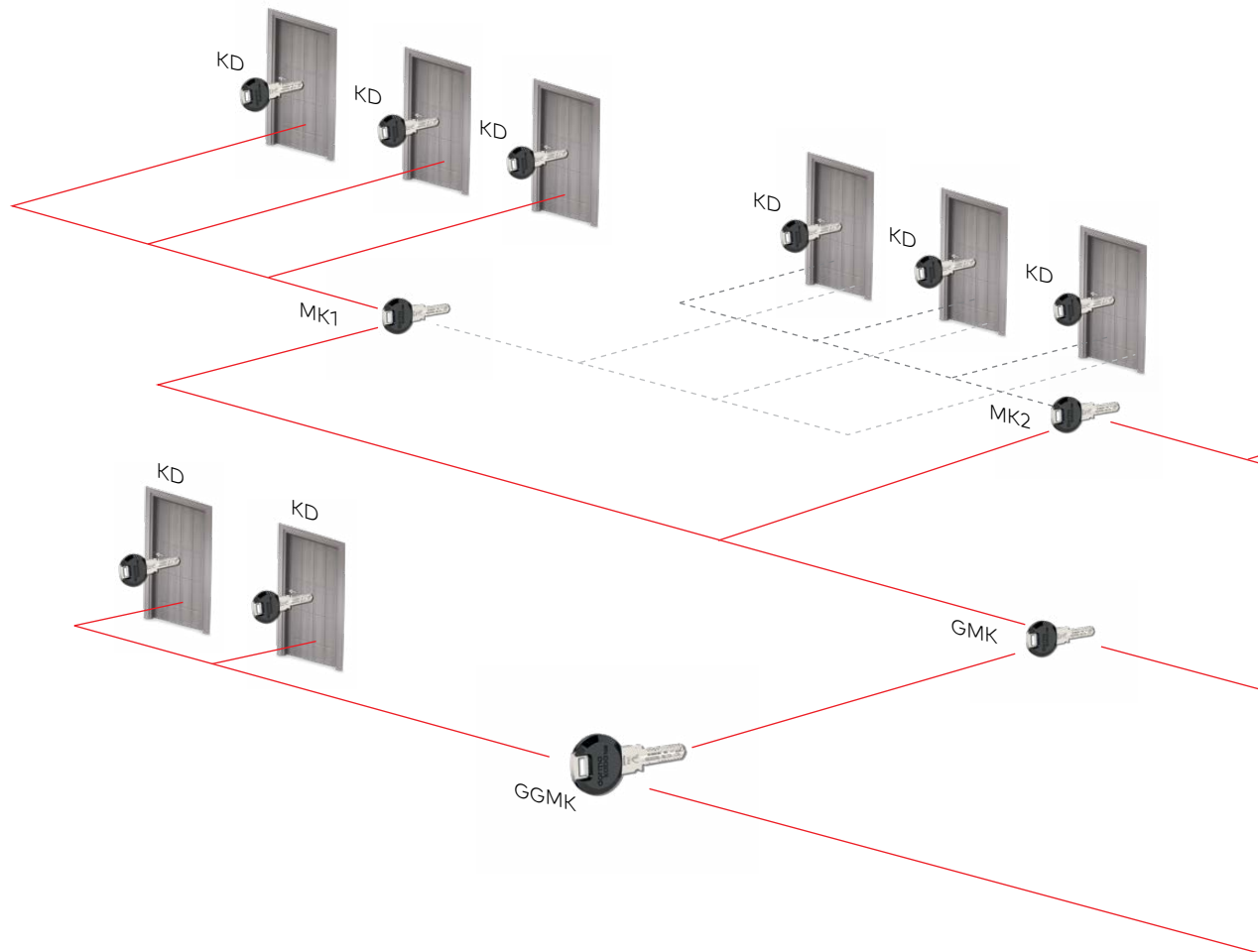
Master Key System (MK)

Each cylinder is opened by its own individual key and by the master key.



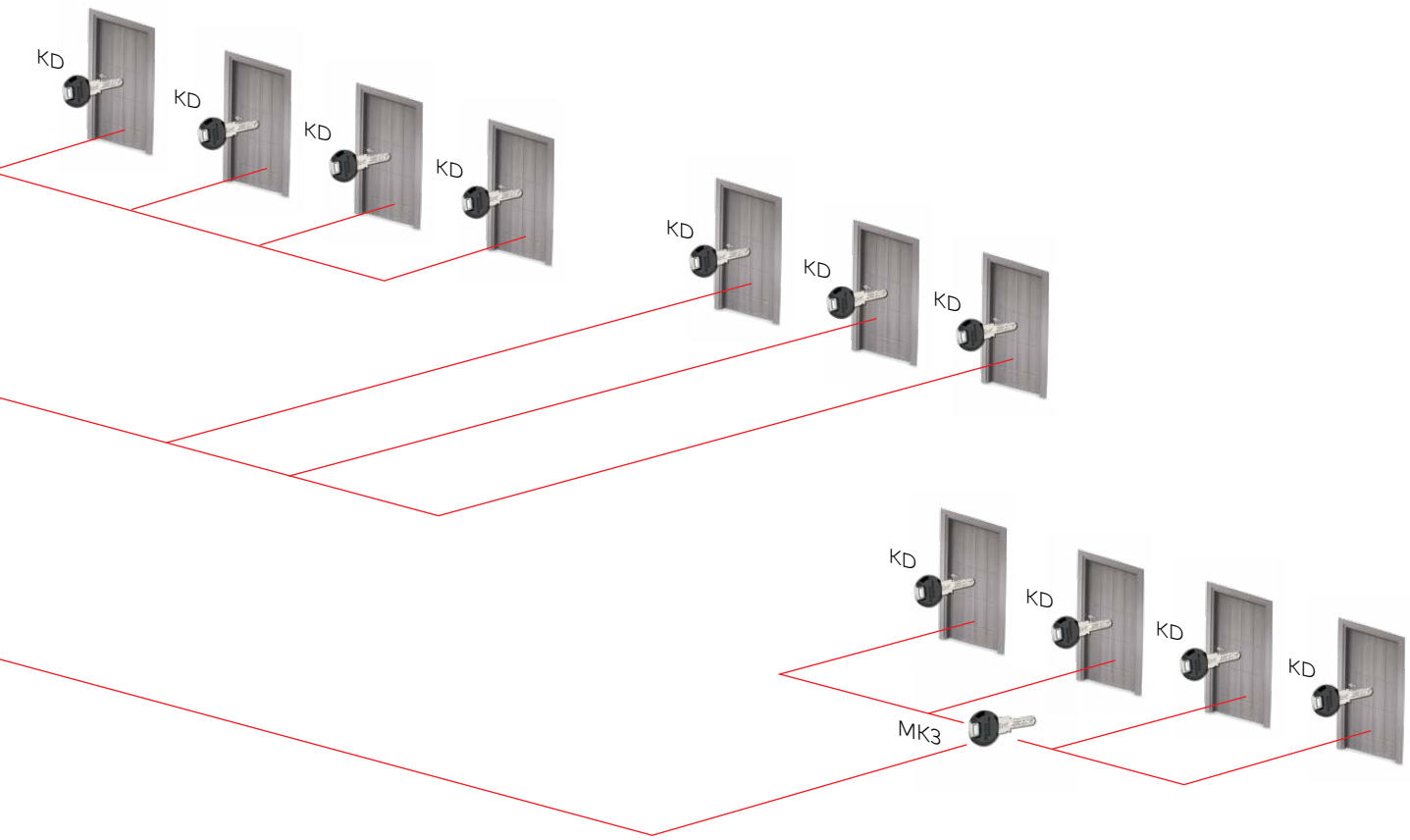
Grand Master Key System (GMK)

Each cylinder is opened by its own individual key, the master key and the grand master key.



Complex Master Key System

Individual keys or master keys belonging to different groups of cylinders can open one or more cylinders belonging to other groups and can be extended to the great grand master key system (GGMK).





Applications



Locking systems for private homes

Convenience and security in one

Home is where we feel the most secure and a solution that can reinforce that feeling is a boon to families in any part of the world.

Master key systems can be applied to various residential establishments – from small houses to large apartments or villas and from multistoried mansions to high rise apartment complexes.

In a house, for example, a keyed alike system could be implemented in such a way that the house owners would be able to open all the rooms of the house with one single key. So besides the front door, you can also open your letter box, cellar, garage and many other doors with a single key. The children of the house would be given a key that would only open the front door and their bedrooms.

With the dormakaba lock cylinder and SAT (Secure Access Temporary) function domestic help would only be able to access the front door – if the proprietor key has activated the service function.

A master key system would ensure an added level of security and greater convenience to granting and restricting access to one's home.

01
Service Area

02
Guest Toilet

03
Bedroom 1

04
Bedroom 2

05
Bedroom 3

06
Toilet 1

07
Toilet 2

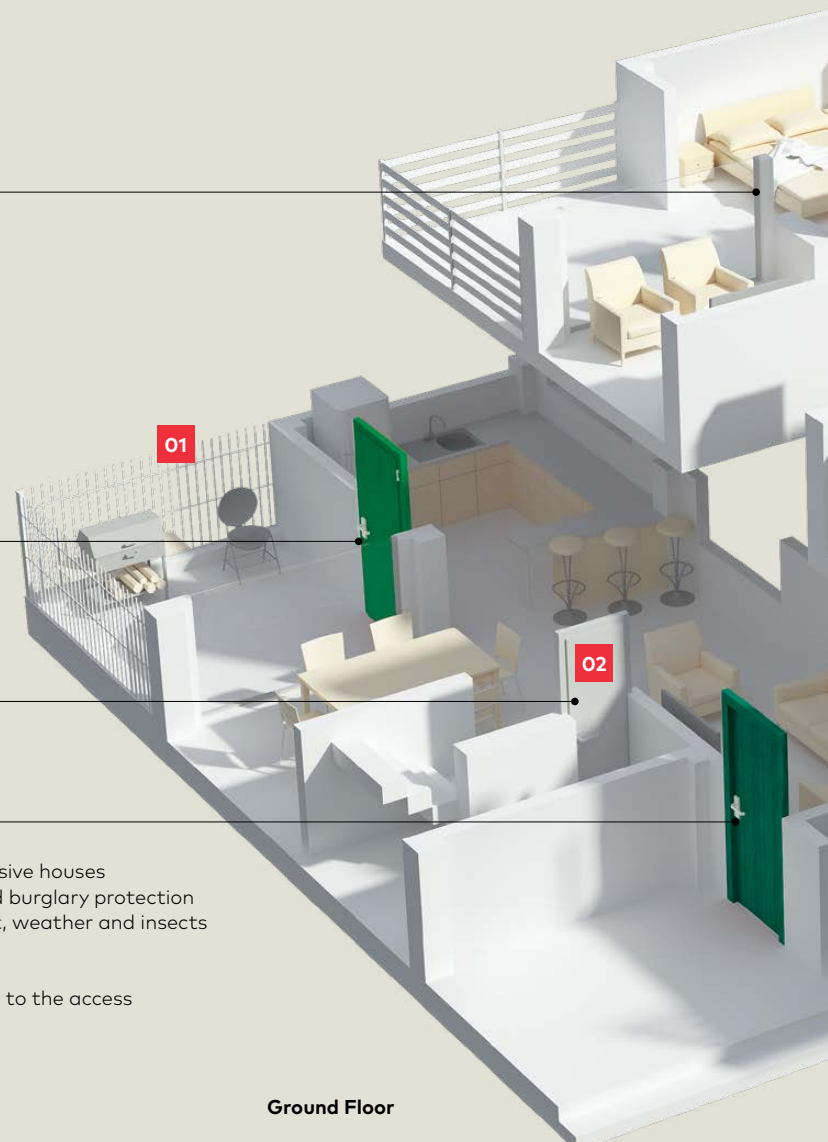
Windows and patio handle locks

Secure Access Temporary – SAT
for service personnel

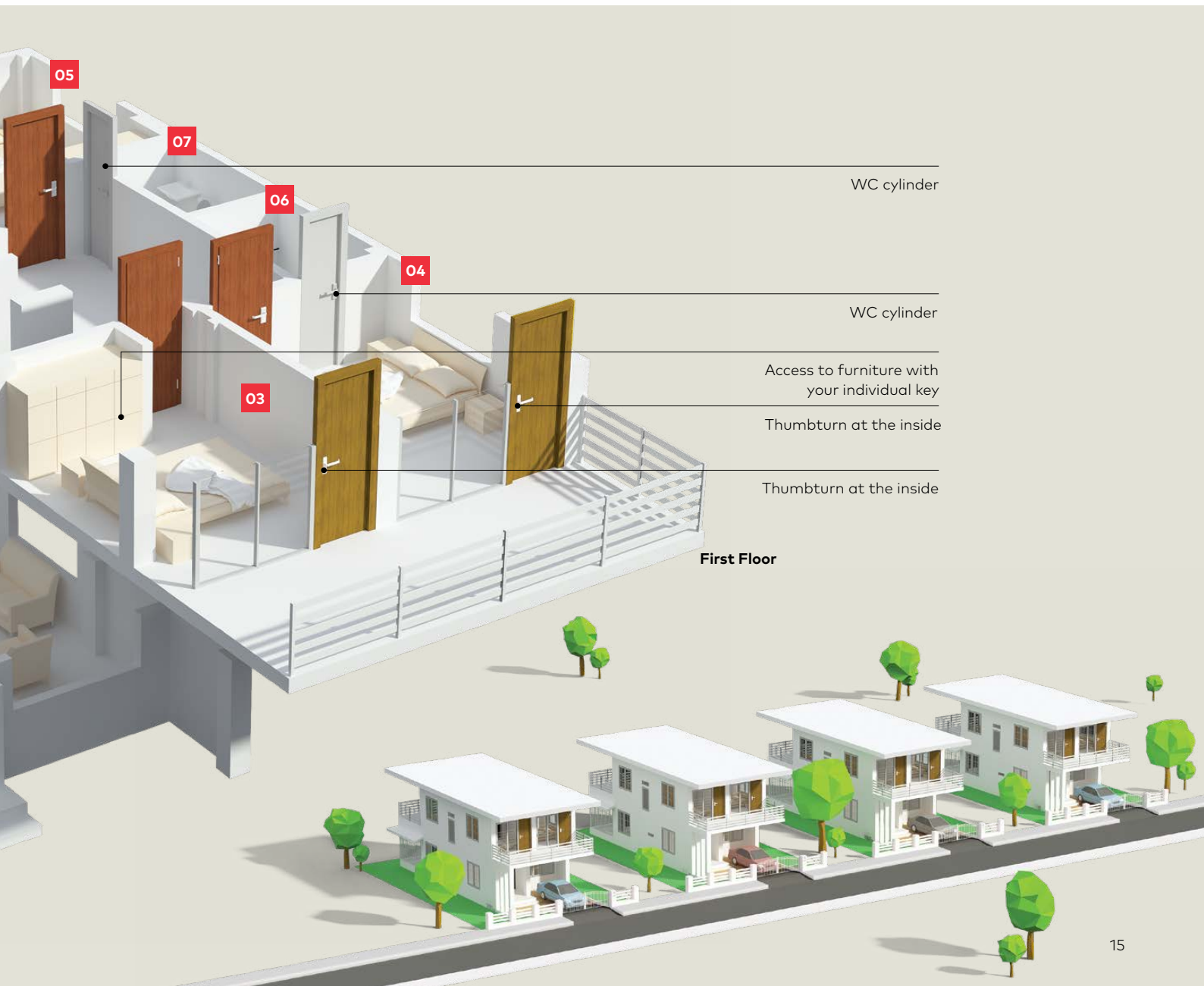
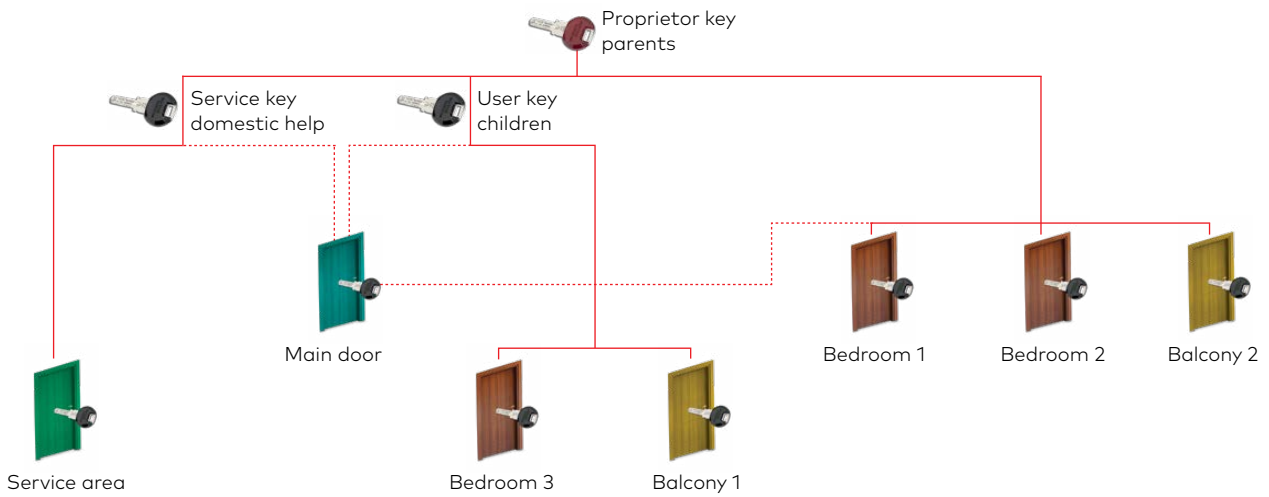
WC cylinder

Main door with possible functions

- Thermally insulated cylinder for passive houses
- Extreme protection – VdS increased burglary protection
- Protection mechanism against dust, weather and insects
- Secure Access Temporary – SAT
- Double key override function – BSZ
- Self changing cylinder: Modification to the access authorisation in no time



Ground Floor



Central locking systems for apartment buildings

Security and organisation

Master key systems are used in apartment buildings. Main doors like the entrances to underground car parks and basements can be opened and closed by all tenants with their assigned apartment keys. However no key will open the door of another apartment. Master key systems can be expanded so that letterboxes, basement storage compartments or secure car parking in the communal garage can be assigned to the apartment key, thus reserving access for the respective tenant.

Tenants need carry only one key around with them for all rooms. So caretakers do not have to procure, issue and supervise separate keys for communal doors. And their keys, in turn, only provide relevant access to doors like the main entrance and central communal and maintenance areas.

01

Cellar

02

Workshop room

03

Elevator

04

Bicycle room

05

Wash room

06

Entrance hall

07

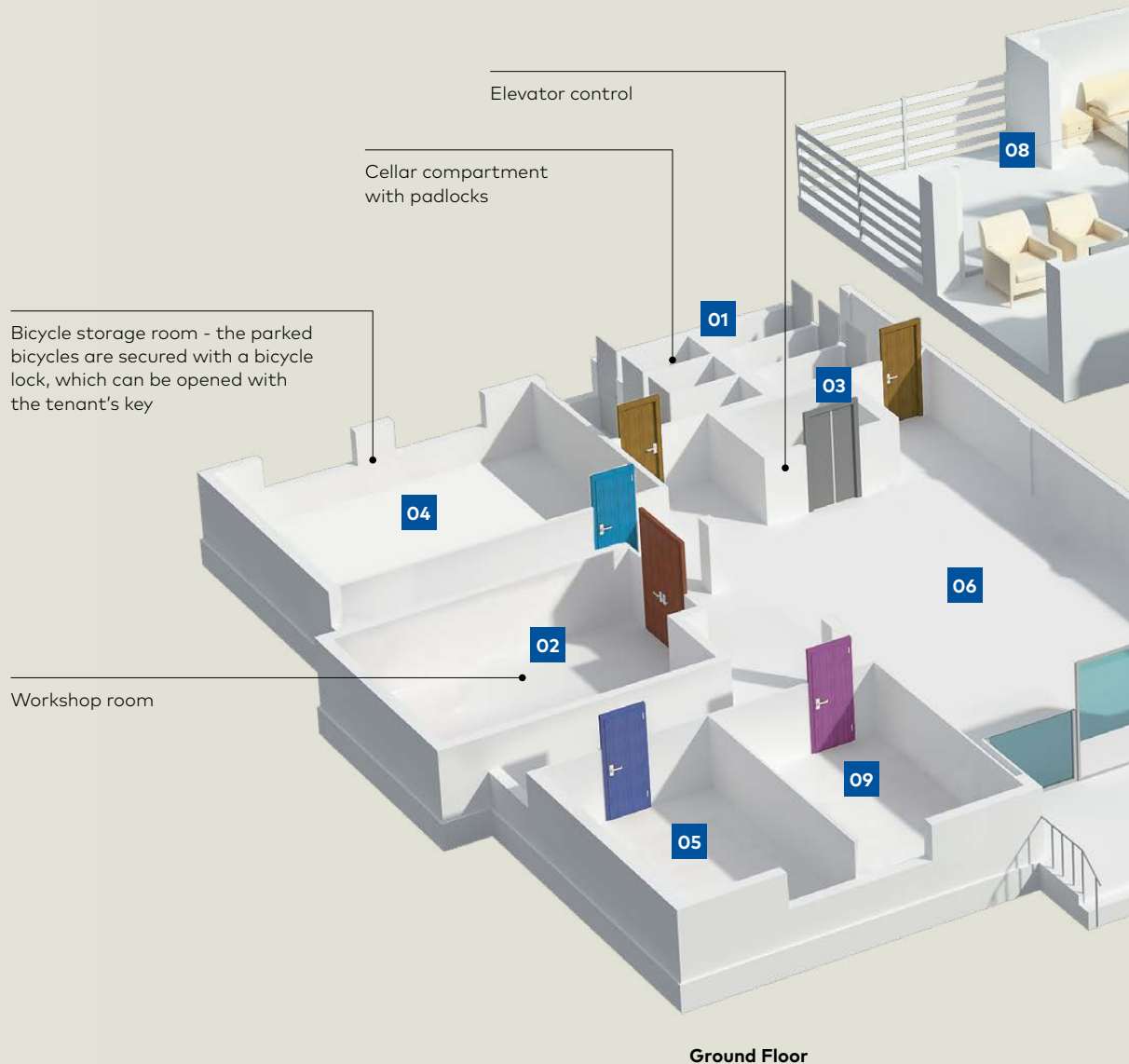
Letter box

08

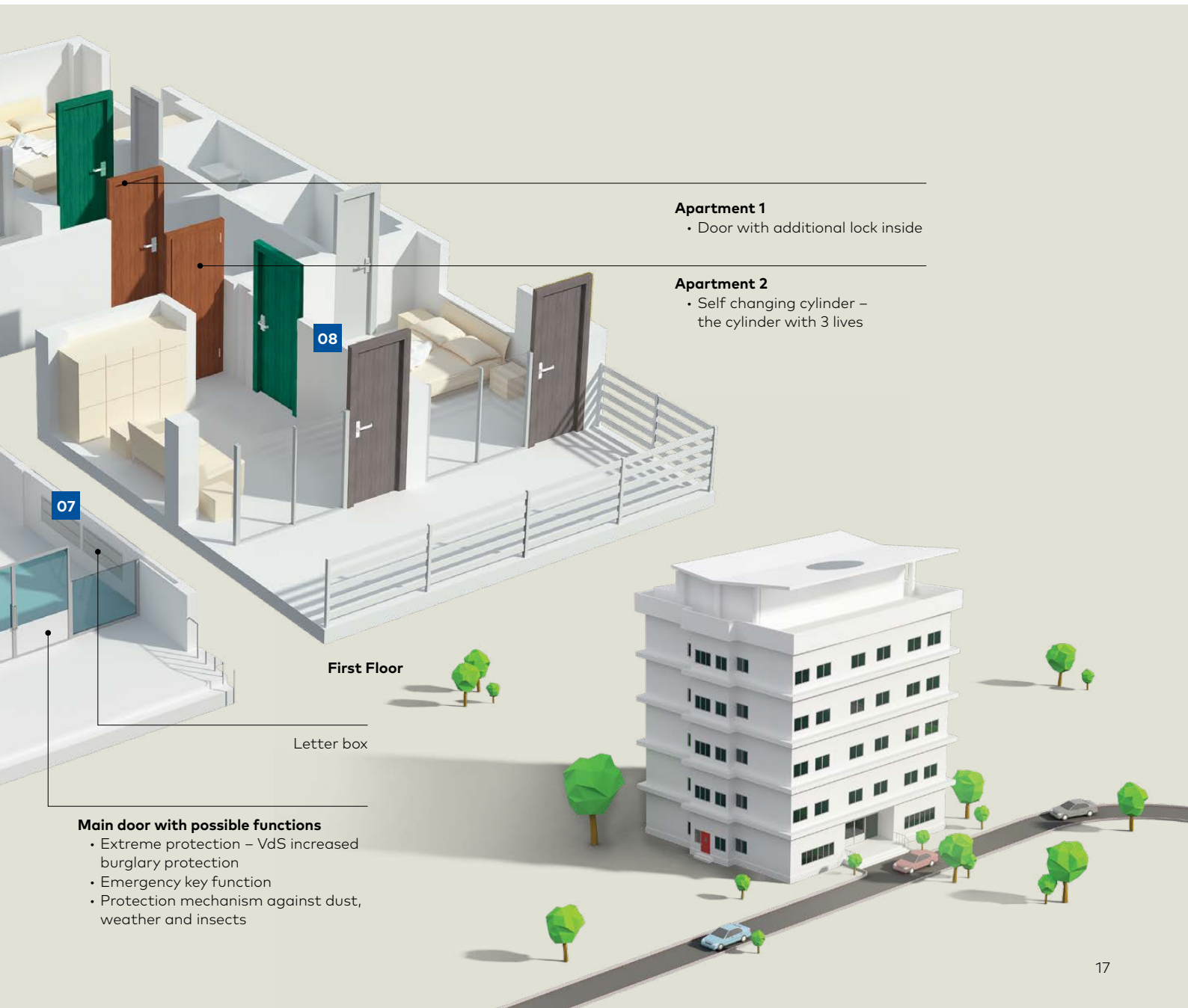
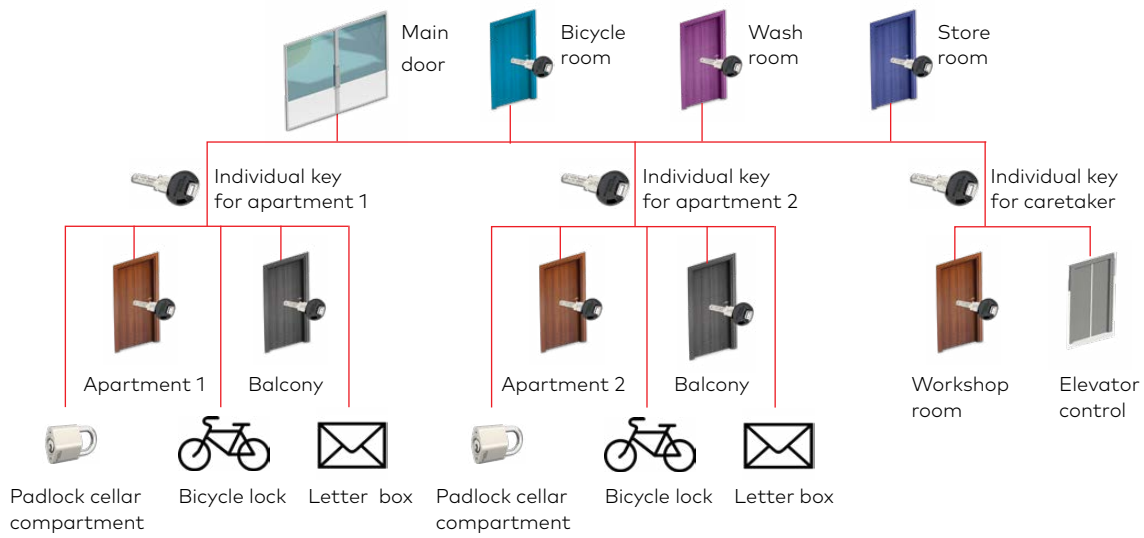
Apartment

09

Store room



Central locking for shared rooms



Apartment 1

- Door with additional lock inside

Apartment 2

- Self changing cylinder – the cylinder with 3 lives

08

07

First Floor

Letter box

Main door with possible functions

- Extreme protection – VdS increased burglary protection
- Emergency key function
- Protection mechanism against dust, weather and insects

Business offices and departments

Increased security with master key systems

Master key systems are ideal for offices and can be successfully applied in any commercial or private office space regardless of its size. A master key system not only increases security but also grants greater access convenience to the shared spaces between various departments. For example, each department in the office would need common access to the conference room door as it's a shared space. However the R & D room would be opened by a single masterkey held only by the head of the department owing to the extra security requirements of the department. This means that role-based access rights can be assigned for each employee with just one key.

Master key systems can efficiently exclude and include entry according to a carefully prepared plan that enhances the working processes, access convenience and security protocols. Massive signature working environments in almost every corner of the world have substantially benefitted from our master key systems.

- 01**
Emergency exit
- 02**
IT server room
- 03**
Toilets
- 04**
Lift
- 05**
Lobby
- 06**
Commercial
- 07**
Conference rooms
- 08**
Product marketing
- 09**
R & D
- 10**
Sales
- 11**
Conference rooms

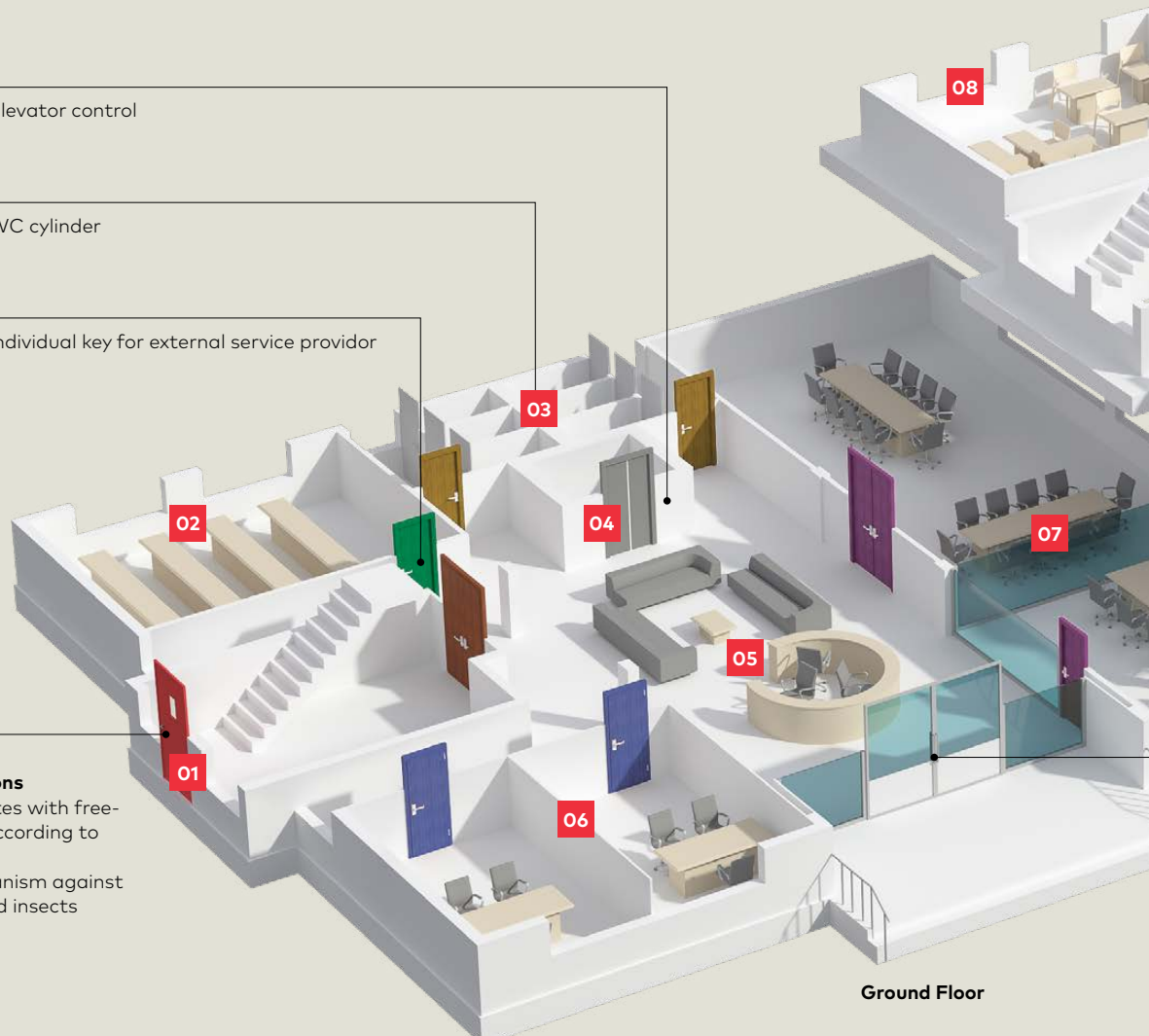
Elevator control

WC cylinder

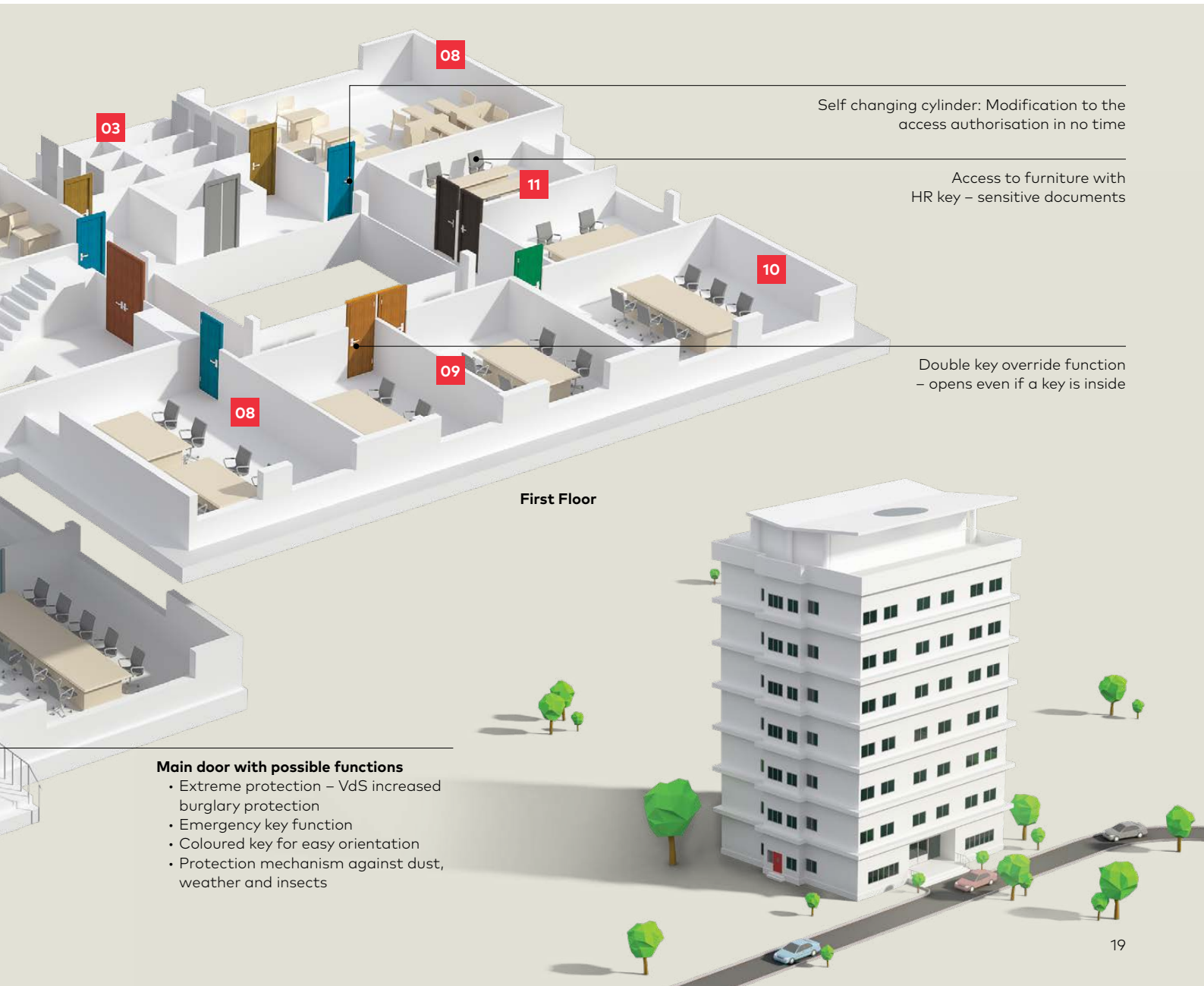
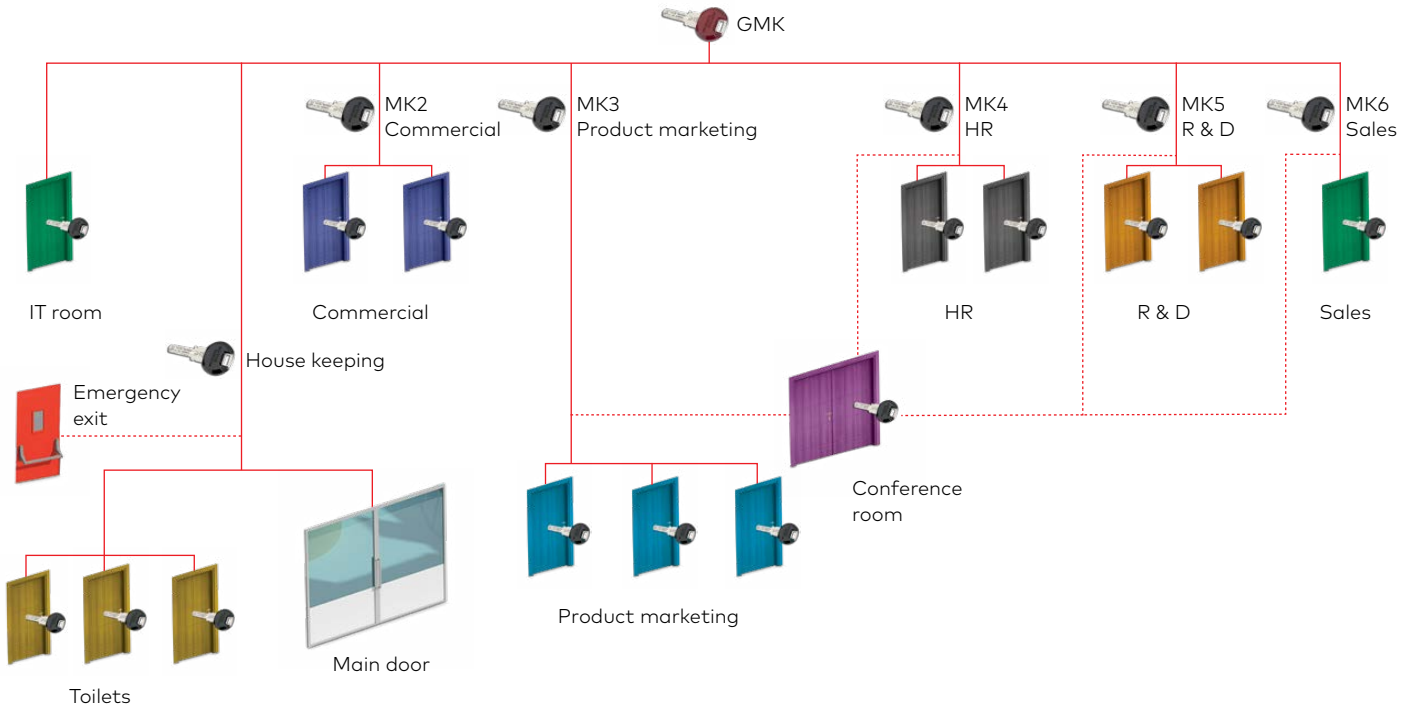
Individual key for external service provider

Emergency exit with possible functions

- Open escape routes with free-wheel cylinders according to FZG approval
- Protection mechanism against dust, weather and insects



Ground Floor



Self changing cylinder: Modification to the access authorisation in no time

Access to furniture with HR key – sensitive documents

Double key override function – opens even if a key is inside

First Floor

Main door with possible functions

- Extreme protection – VdS increased burglary protection
- Emergency key function
- Coloured key for easy orientation
- Protection mechanism against dust, weather and insects

Education

Complex door situations including classrooms

Educational institutions have evolved from simple classroom structures and today have grown to massive complexes that accommodate multiple learning facilities. With numerous access points within a campus, maintaining a traditional key system can be very cumbersome and unsafe for the school management. That is where master key systems can substantially increase security.

Small schools to large university campuses can greatly benefit from the increased security and hassle free operating mechanism of our master key systems. Further functions like lockers with furniture cylinders or the classroom function increase the security of the location and can also fit into the master key system.

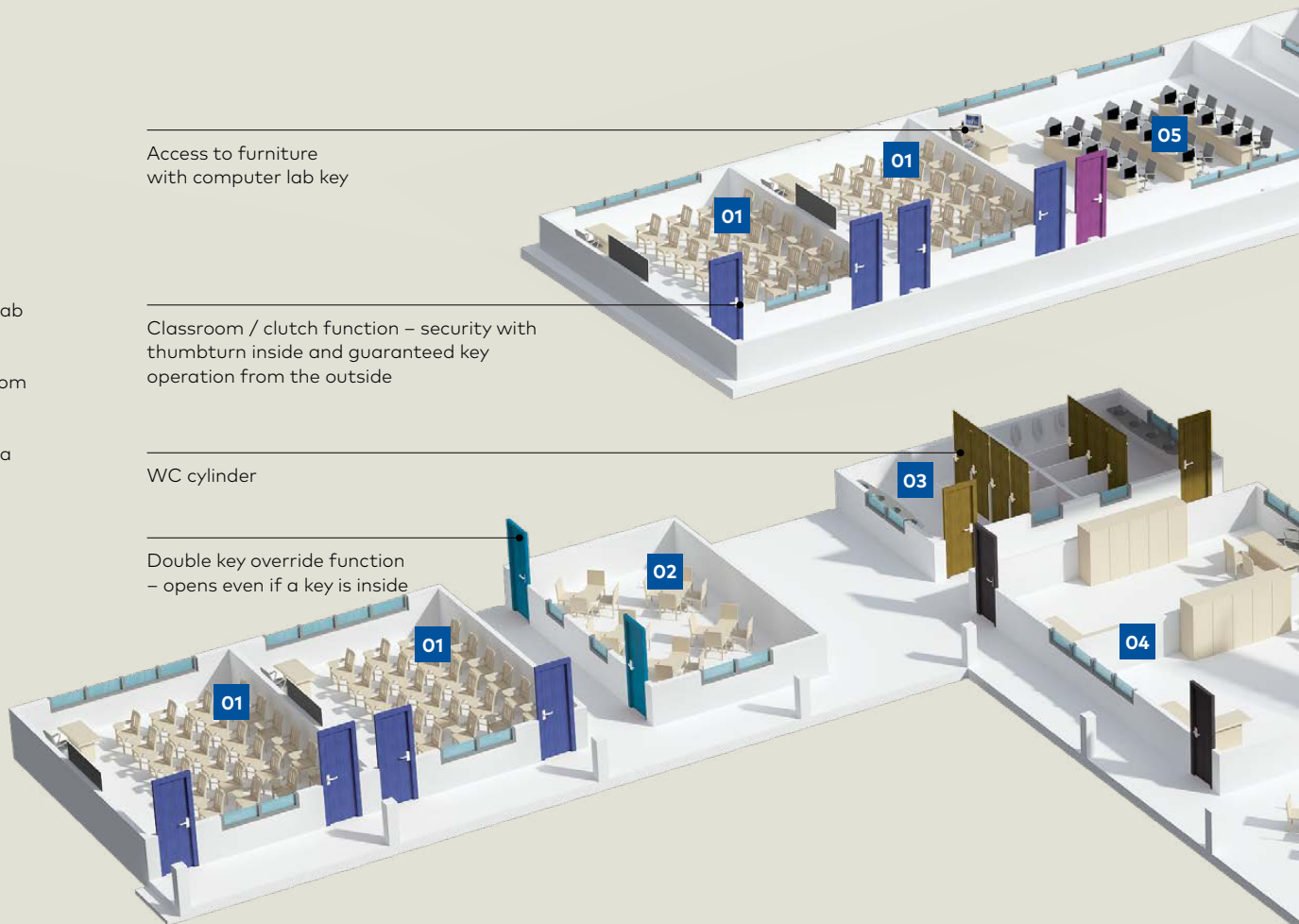
- 01**
Classroom
- 02**
Staff room
- 03**
Toilets
- 04**
Office
- 05**
Computer lab
- 06**
Seminar room
- 07**
Activity area
- 08**
Library

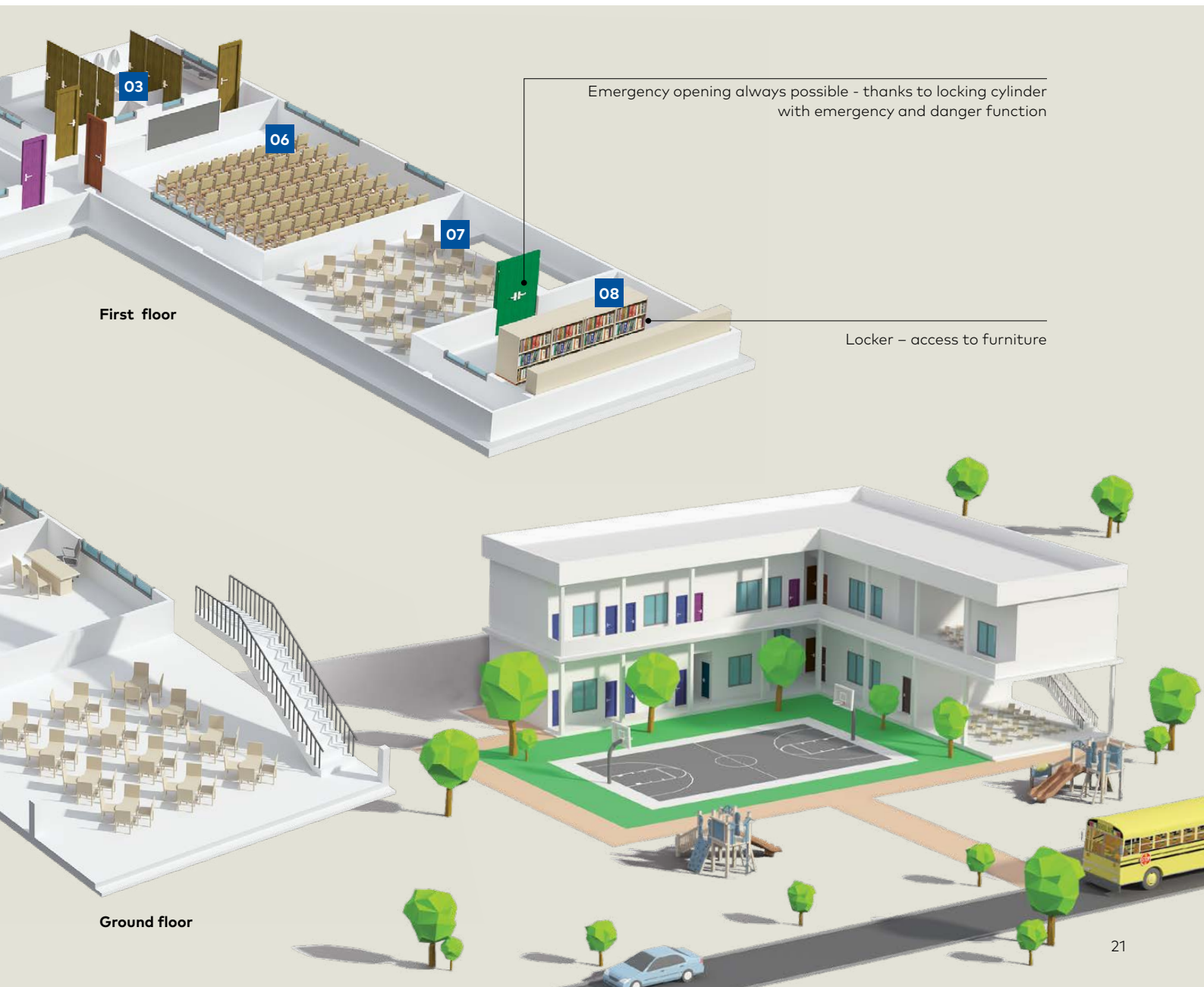
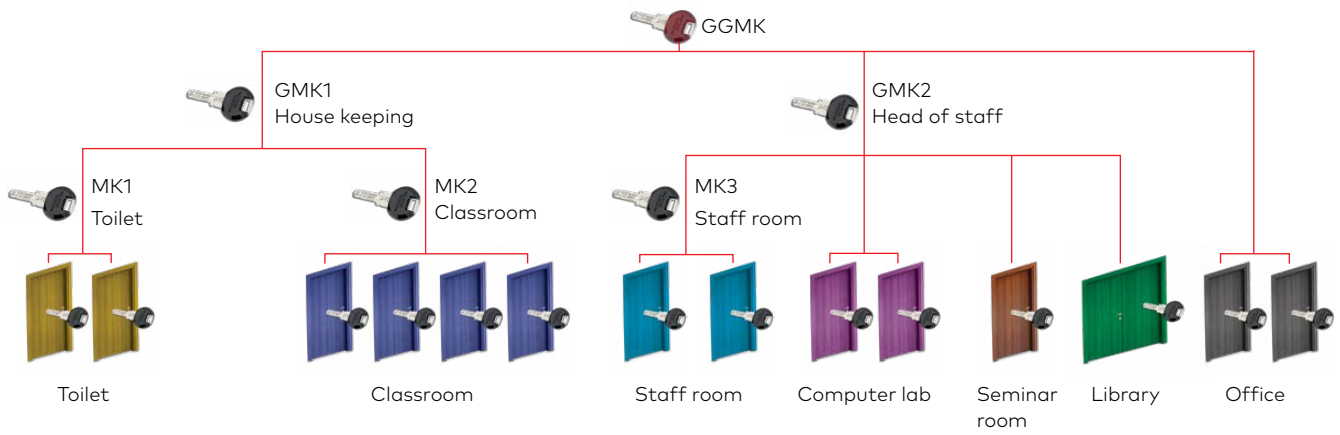
Access to furniture with computer lab key

Classroom / clutch function – security with thumbturn inside and guaranteed key operation from the outside

WC cylinder

Double key override function – opens even if a key is inside





Hospital

Secure sensitive areas

Medical care facilities have several highly sensitive areas and hence regulating access becomes critical. In such a busy environment access control has to be made operationally very convenient and at the same time, technically fail proof. Implementation of a master key system to both small clinics as well as large hospitals can increase their efficiency considerably. By applying a master key system, a medical care facility could ensure much faster access to emergency facilities like operation theatres and at the same time strictly restrict access to hazardous areas with radioactive equipment.

Medical care facilities across the globe rely on master key systems from dormakaba to ensure highly safe and secure medical environments for the patients, professionals and people in general.

- 01**
X-ray room
- 02**
Administration
- 03**
Wards
- 04**
Toilets
- 05**
Consultation rooms
- 06**
Information desk
- 07**
Operation theatres

Protection mechanism against dust, weather and insects

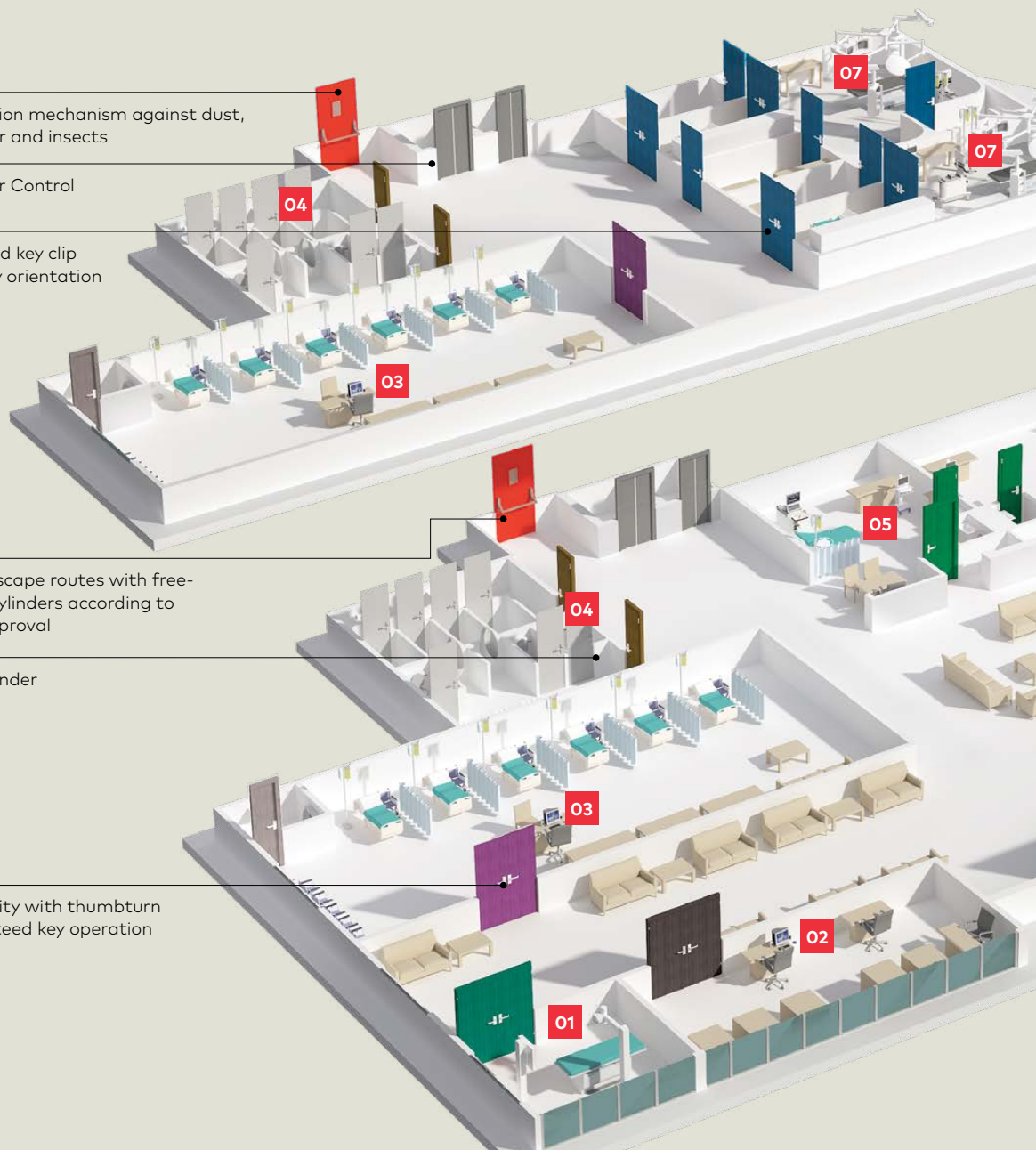
Elevator Control

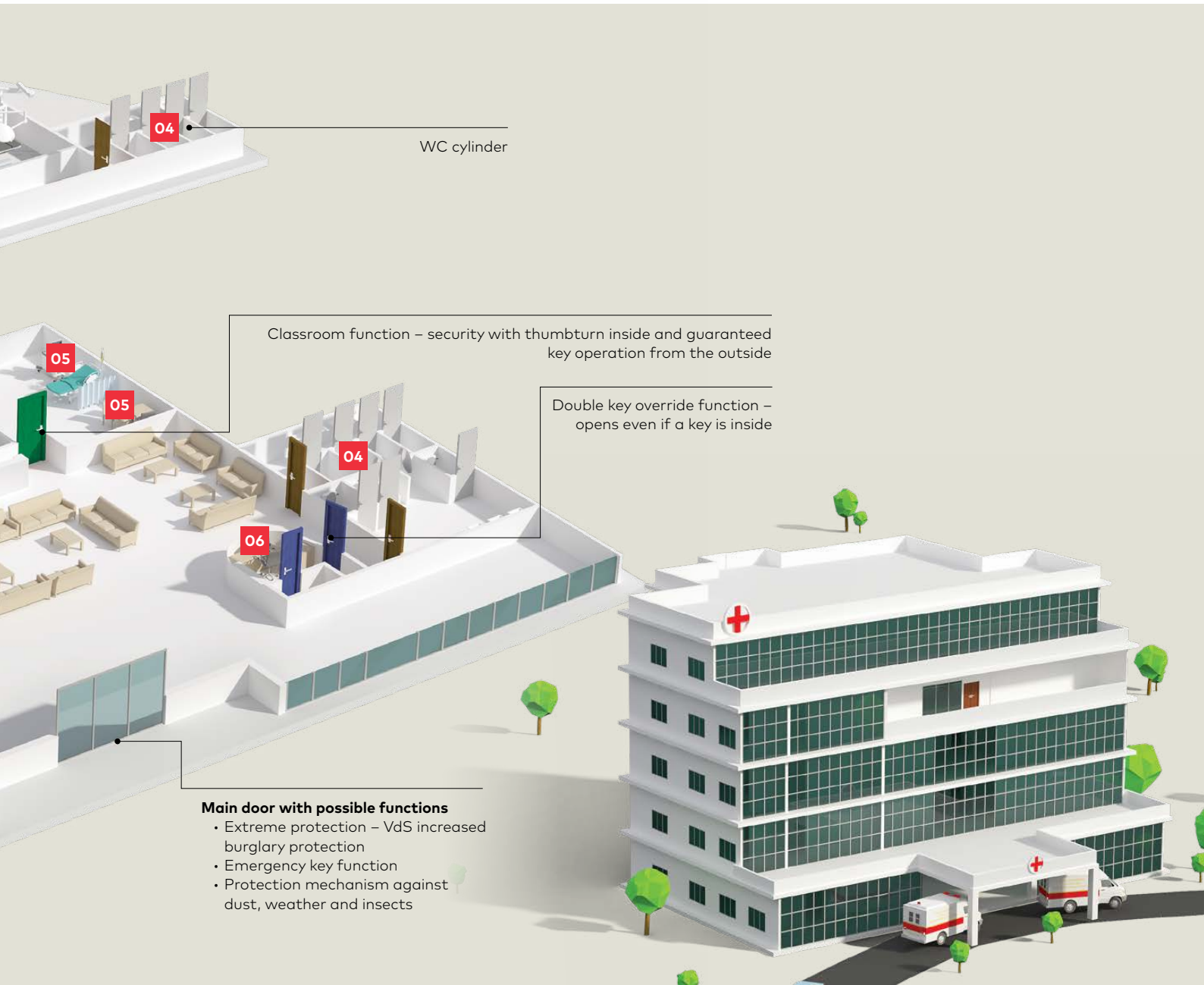
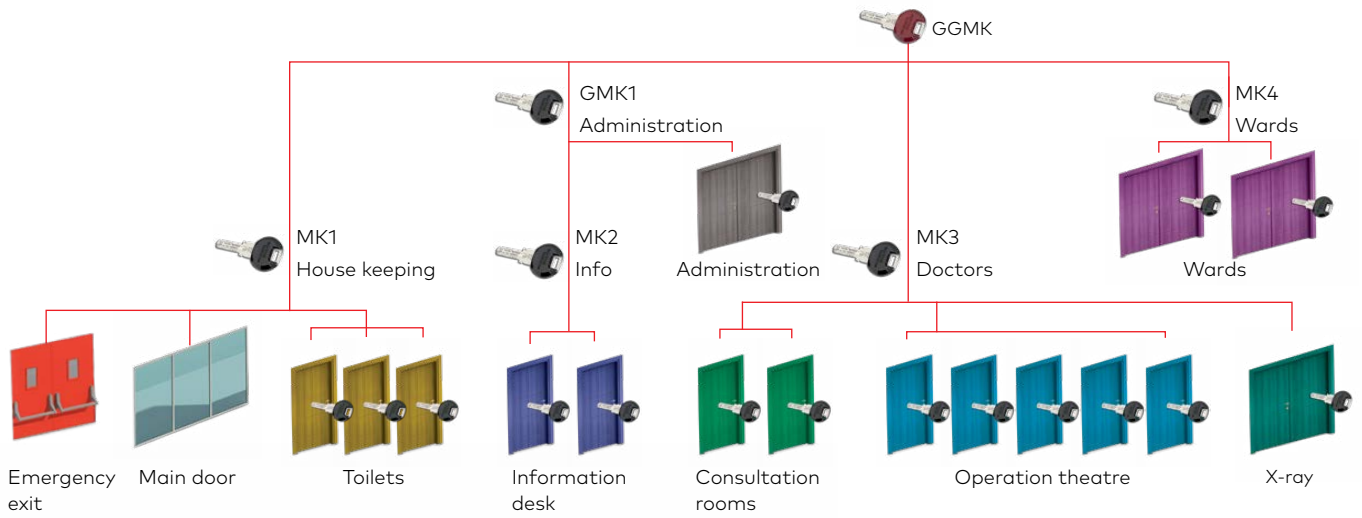
Coloured key clip for easy orientation

Open escape routes with free-wheel cylinders according to FZG approval

WC cylinder

Classroom – security with thumbturn inside and guaranteed key operation from the outside





Hotel

Safe temporary home

A guest might select a hotel based on their preference for luxurious amenities, ambience or culinary reputation. But every time they walk into a hotel, a temporary home in a foreign land, the most important assurance sought is security, both of space – the room, and of personal information. A master key system can provide total security and convenience for both the guest and the hotel operator. Typical "back of house" hotel applications require secure locking in operational areas such as Food & Beverage management, Housekeeping as well as delivery zones. These areas are where valuable provisions and equipment needs to be securely managed. Guest Services and Financial Management areas are also where both valuable personal and financial information are processed and stored.

Staffing in hotels is very dynamic with multiple shifts across any given day necessitating locking systems which offer high levels of security, functionality and ease of management. High staff turnover means the locking system needs to be able to provide the operator with secure unauthorised key copy protection and key management systems.

Master key systems with the dormakaba "Smart" keys can also work in concert with electronic door access cards and time in attendance systems. Its expandability, as the facility grows, means that for hotel and resort owners they can be confident their future plans can be accommodated with ease.

- 01**
Spa
- 02**
Lounge
- 03**
House keeping
- 04**
Toilets
- 05**
Gym
- 06**
Restaurant
- 07**
Guest room

Thumbturn at the inside of guest rooms

WC cylinder inside of guest rooms

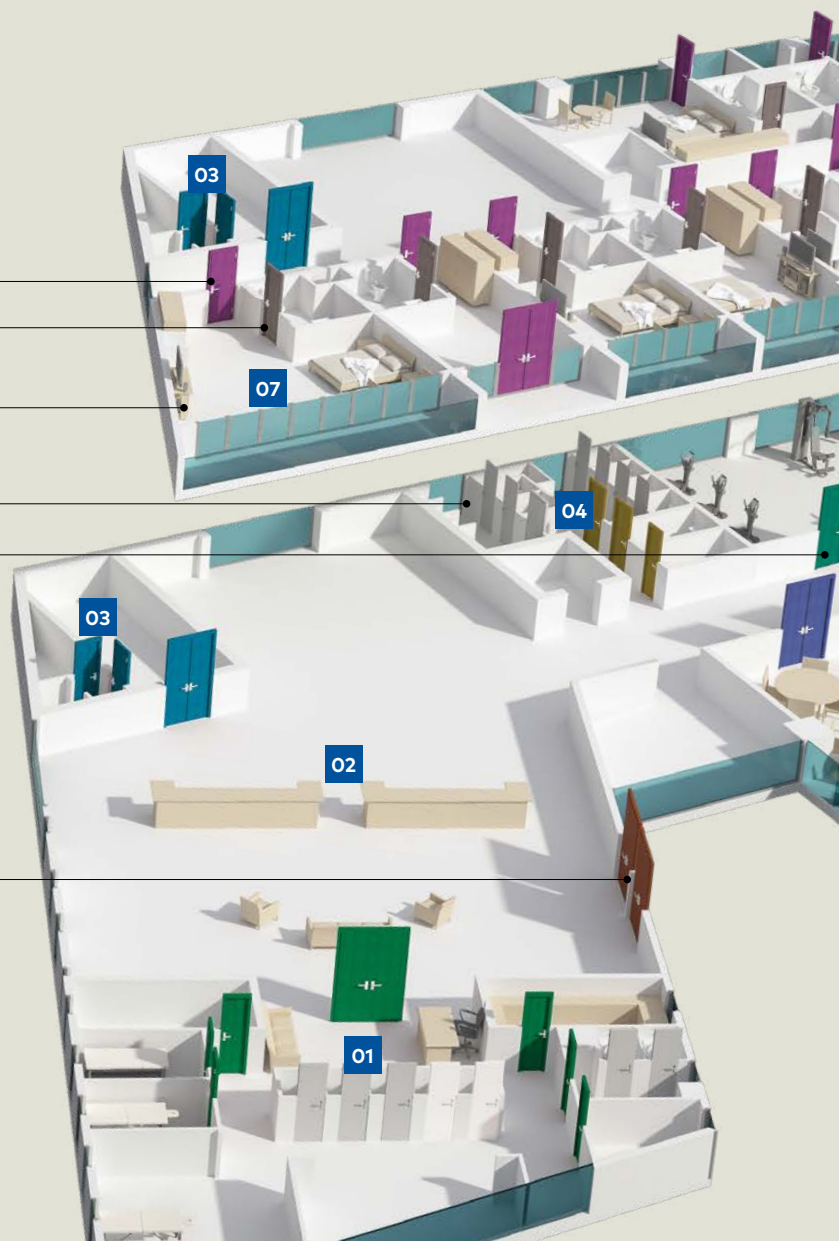
Access to furniture with guest key

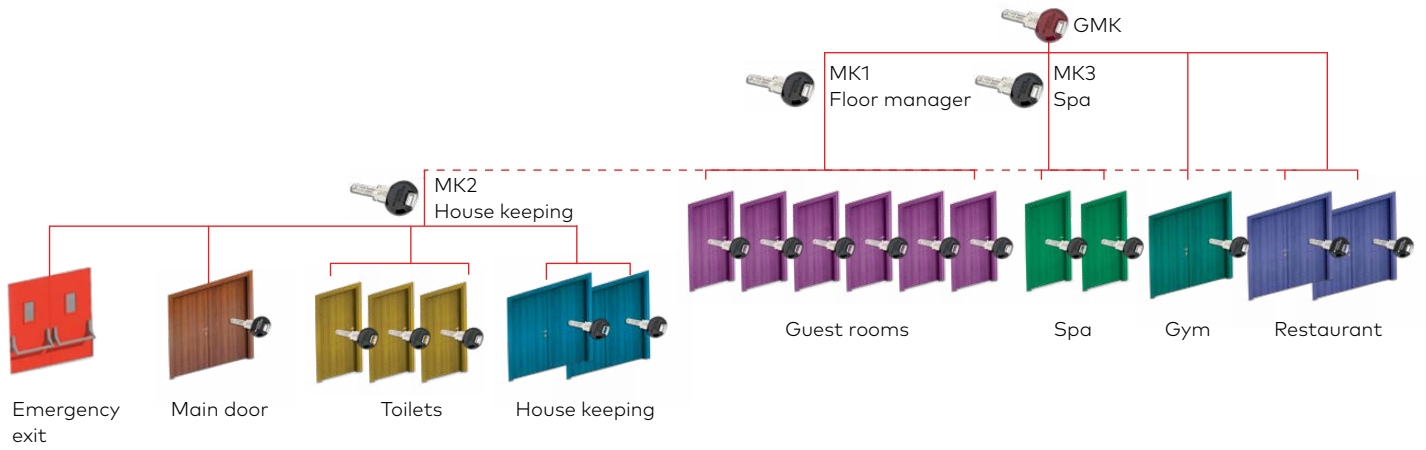
WC cylinder

Duplo function access only when deadbolt is open

Main door with possible functions

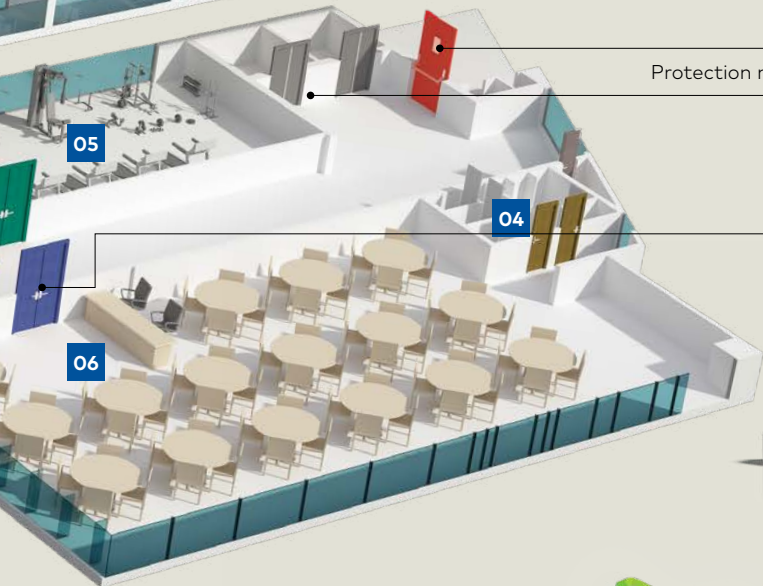
- Extreme protection – VdS increased burglary protection
- Protection mechanism against dust, weather and insects





Open escape routes with free-wheel cylinders according to FZG approval

Guest room with coloured key for easy identification



Protection mechanism against dust, weather and insects

Elevator control

Classroom – security with thumbturn inside and guaranteed key operation from the outside



Theatres and cinemas

Security in entertainment

Entertainment is arguably one of the fastest growing industries and its avenues are growing at a much faster pace. Multiplexes are mushrooming even in smaller towns and as people flock in growing numbers to these spaces, better security becomes mandatory. The master key system seamlessly integrates the access mechanism for multiple screens at theatre complexes.

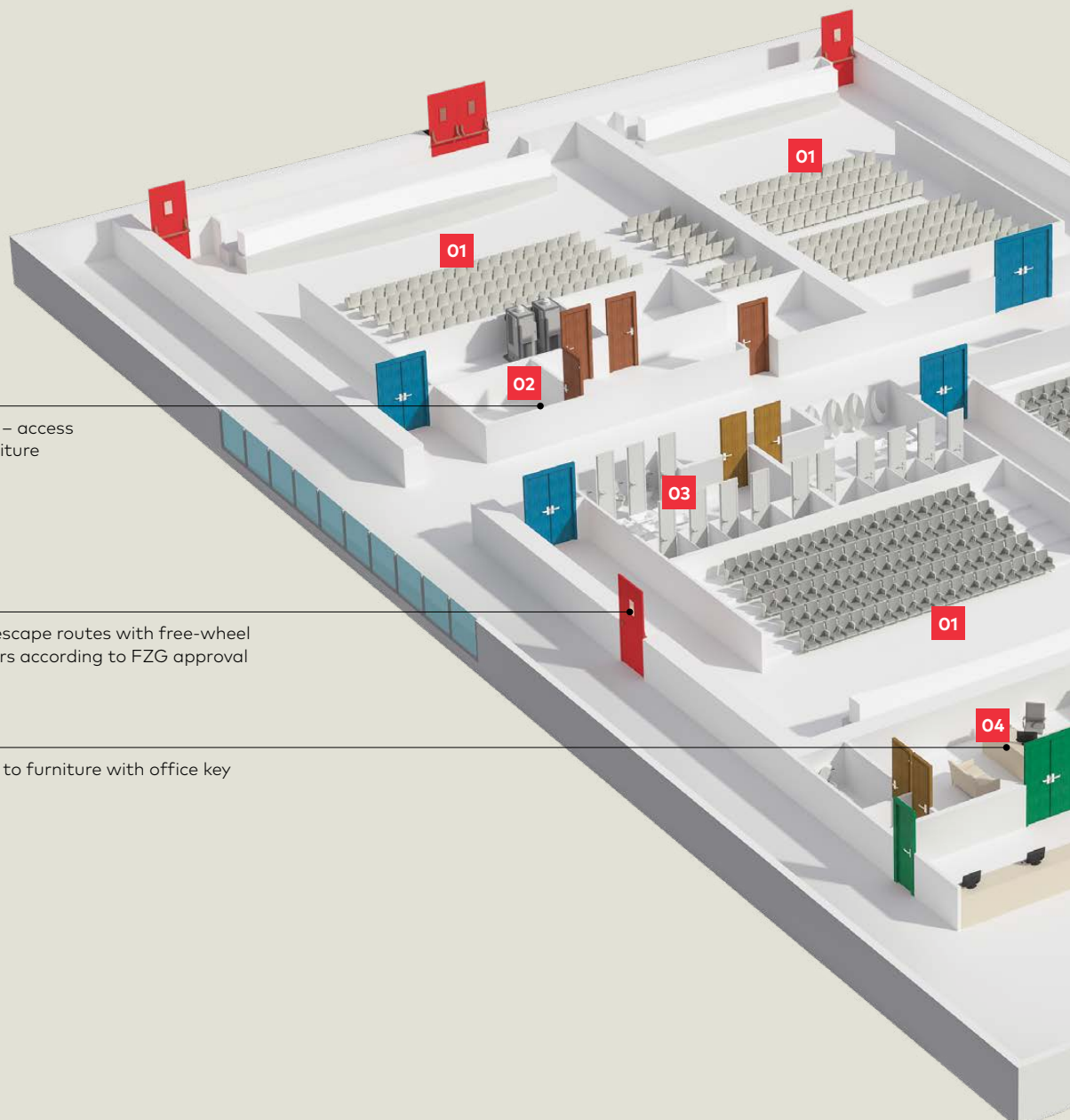
Master key systems also very efficiently manage emergency exits at large commercial spaces like these and makes it extremely hassle free for the staff during an emergency situation. With the free-wheel cylinders according to FZG approval open escape routes are guaranteed in case of an emergency.

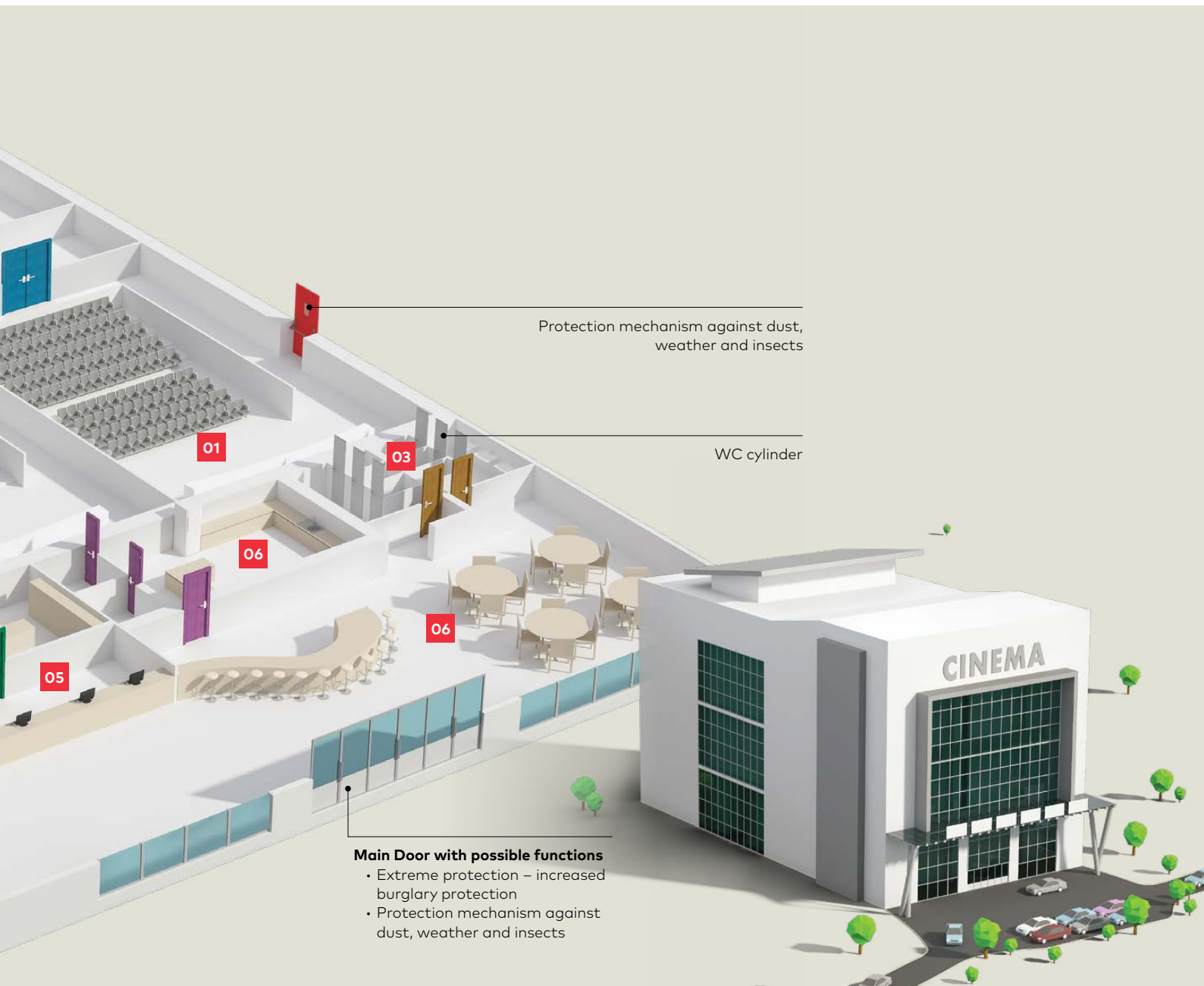
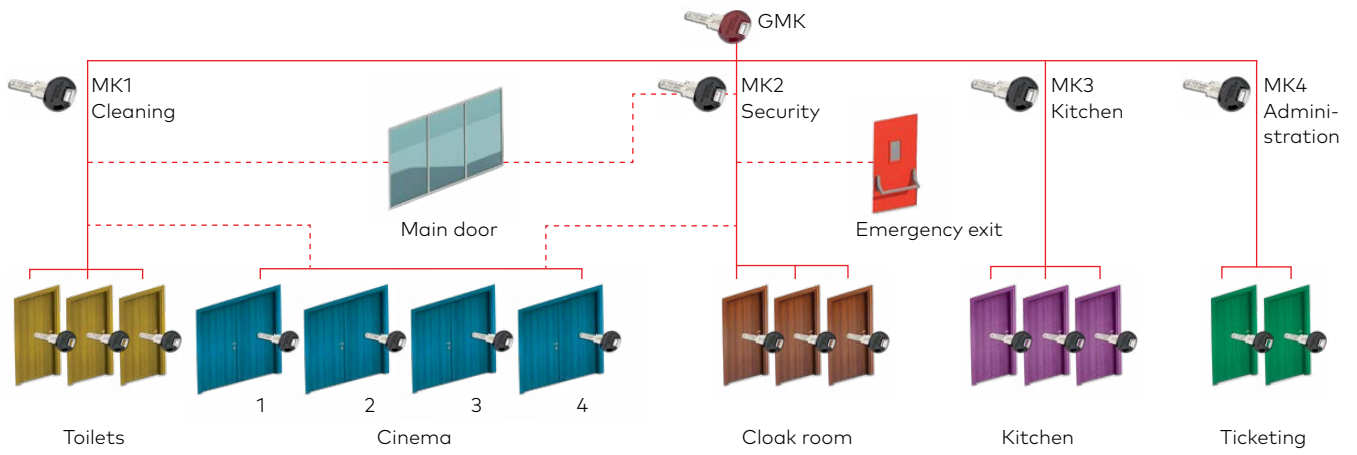
- 01**
Cinema
- 02**
Security deposit
- 03**
Toilets
- 04**
Administration office
- 05**
Ticketing
- 06**
Kitchen
- 07**
Cafeteria

Locker – access
to furniture

Open escape routes with free-wheel
cylinders according to FZG approval

Access to furniture with office key





Main Door with possible functions

- Extreme protection – increased burglary protection
- Protection mechanism against dust, weather and insects

Train stations

Public space with high security areas

Threat levels at public spaces have exponentially increased the world over and today public spaces demand the highest level of security measures. For example, a train station involves very high public safety and also massive infrastructural costs. But due to the vulnerability of an open public environment like this, ensuring security becomes technically challenging. This is where master key systems come in handy.

It distinguishes and facilitates easy movement across areas accessed by passengers yet strictly secludes high security departments such as the traffic control room, the ticketing cash room, the power room, signaling equipment room, etc. Several airports, train stations, malls and other public spaces around the world have been secured by dormakaba master key systems.

01
Staff room

02
Power room

03
Toilets

04
Help desk

05
Cash room

06
Ticketing

07
Waiting lounge

08
Technical room

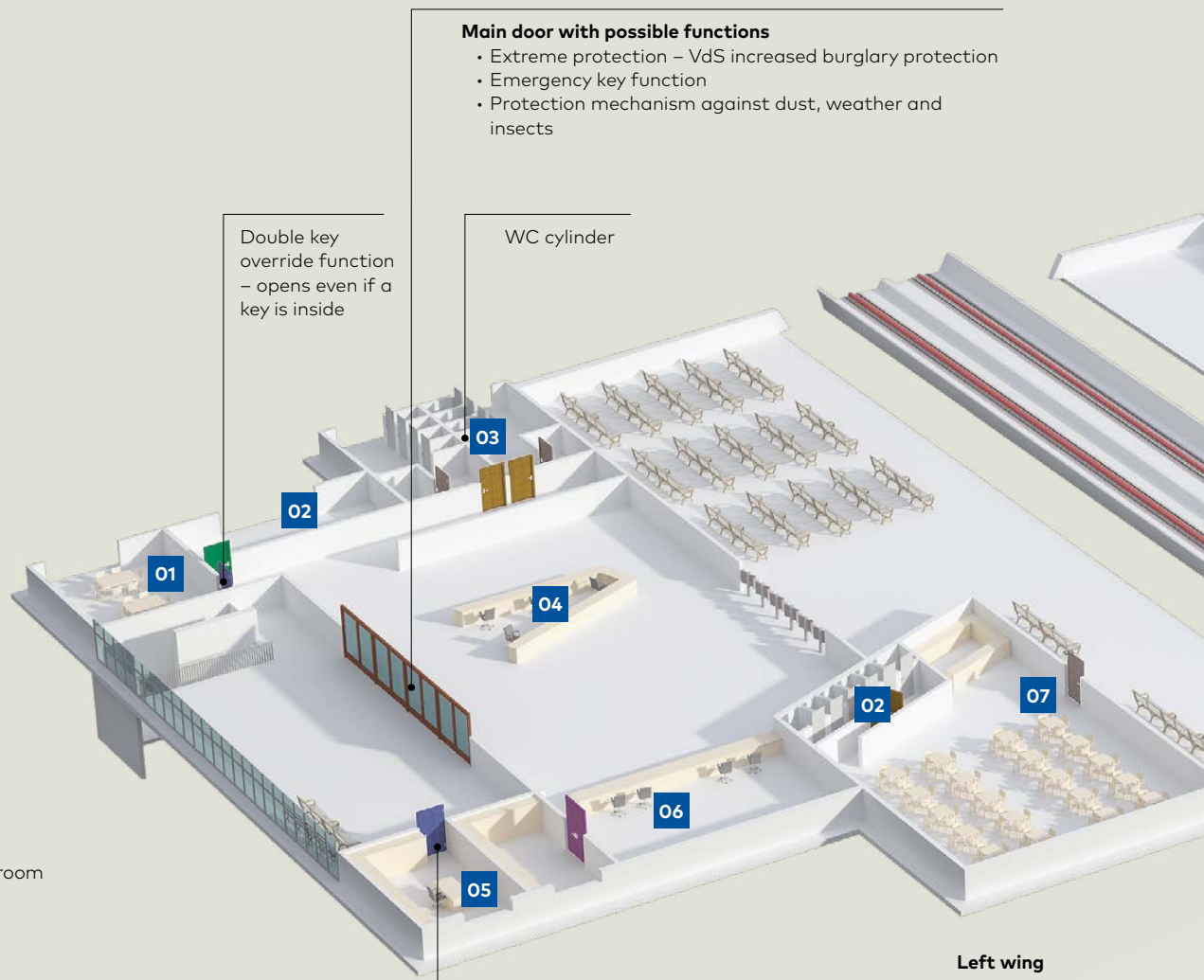
09
Train crew room

10
Battery room

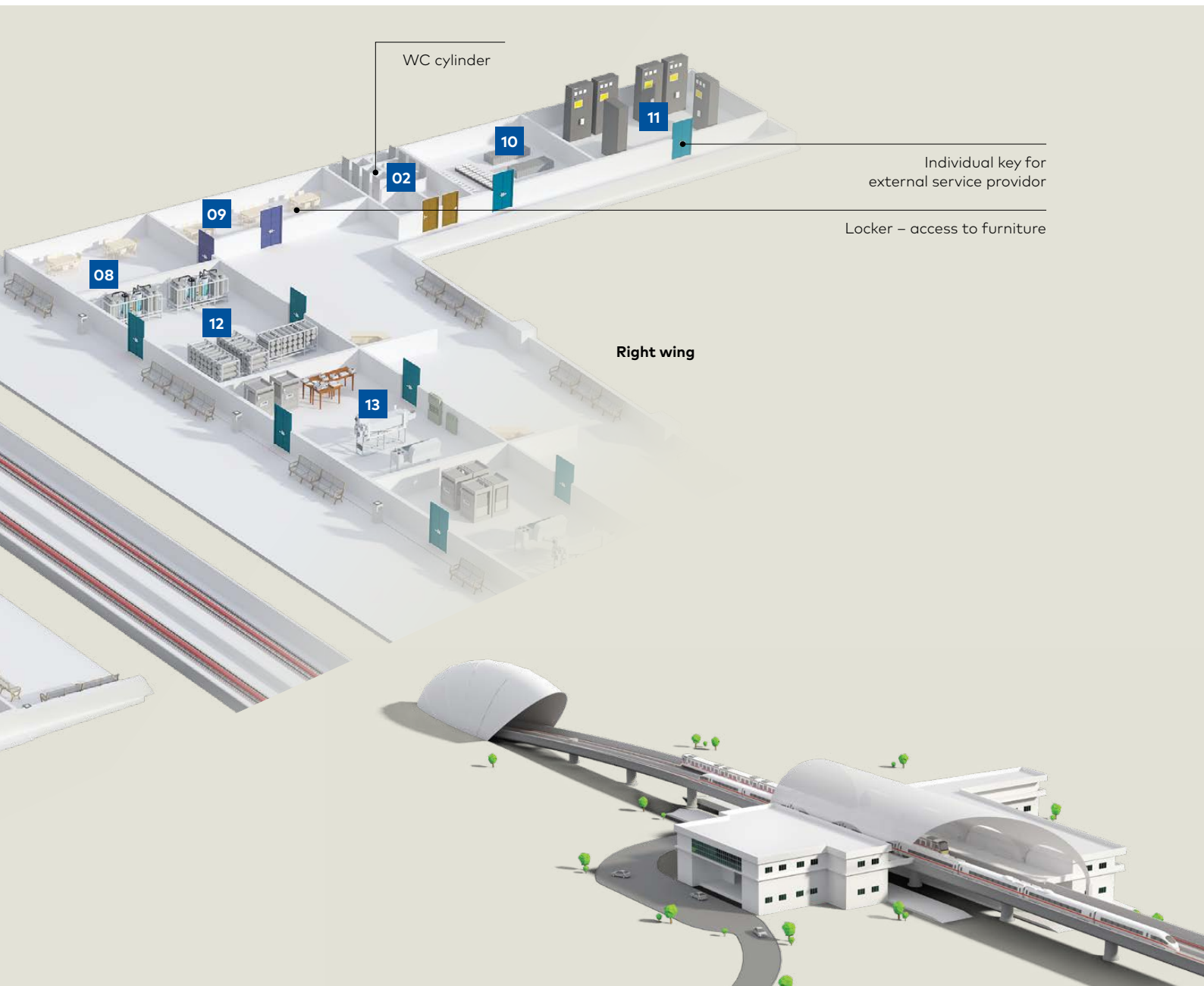
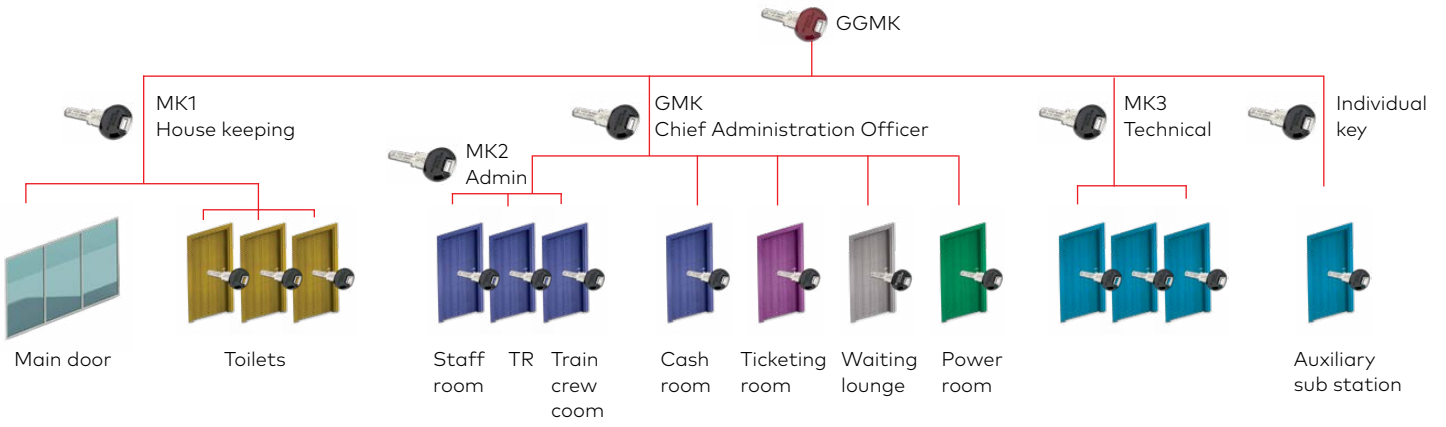
11
Auxiliary sub station

12
SCR

13
Signalling equipment room



- Self changing cylinder: Modification to the access authorisation in no time


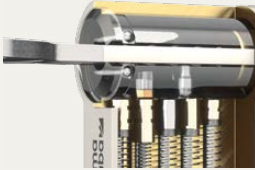









Functions



Functions

Functions	Available systems	Applications
<p>Self changing cylinder: Modification to the access authorisation in no time</p> <p>With the special functions BAZ or SUZ, you can very easily control the access authorisations of different keys or key groups. For this, you can use a changing key (BAZ) or the next key generation (SUZ), depending on the system. Thus, you change the pin combination in the cylinder so that the previously used keys no longer have locking authorisation. You can carry out this process up to two times. This means you can react flexibly, without having to replace the lock cylinder.</p> <p>Modification to the cylinder lock without replacing it:</p> <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;">  <p>BAZ for reversible keys with changing key</p> </div> <div style="text-align: center;">  <p>SUZ – changing with the next key generation</p> </div> </div>	<ul style="list-style-type: none"> • all reversible and serrated key systems 	<ul style="list-style-type: none"> • Home • Apartment buildings • Office
<p>Double key override function (BSZ)</p> <p>“Never be locked out again...”</p> <p>Sometimes it happens (voluntary or not) that a key is left in the lock. With a standard cylinder you will not be able to open the lock from the outside, because the key on the inside is blocking the cylinder – dormakaba has the solution!</p> <p>The BSZ-function enables you to open the cylinder in any way at any time – also when a key is left in the lock on one side you can always open on the other side. So you cannot be locked out.</p> <div style="text-align: center;">  </div>	<ul style="list-style-type: none"> • all reversible and serrated key systems 	<ul style="list-style-type: none"> • Home • Apartment buildings • Office • Train station • Education • Hospital • Hotel • Theatre/Cinema




Functions	Available systems	Applications
<p>Restricted movement Cylinder (Classroom Function)</p> <p>The innovative design of the restrictive movement cylinder ensures the door is guarded against being locked from within the room. The cylinder also guarantees that authorised key operation from the external side is maintained even if the internal thumbturn is being held by the occupant in an attempt to prevent access.</p> 	<ul style="list-style-type: none"> • all reversible and serrated key systems 	<ul style="list-style-type: none"> • Education • Hospital • Hotel • Theatre/Cinema
<p>Coloured key clips</p> <p>Keys are even easier to identify with coloured clips. The reversible keys are available as smart keys and large keys in 12 clip colours each. For serrated keys, you can choose from 11 colours for large clips and 5 colours for miniclips from our standard range. You can get our trendkey in the colours: dark blue, light blue, red, green and black. Keys with a metal bow are delivered without a coloured part as standard. But red, green and black colouring is available, if desired.</p> 	<ul style="list-style-type: none"> • all reversible and serrated key systems 	<ul style="list-style-type: none"> • Home • Apartment buildings • Office • Train station • Education • Hospital • Hotel • Theatre/Cinema
<p>Emergency key function (GF)</p> <p>For hotels, guesthouses, retirement homes, boarding schools, schools, etc., where the greatest security must be available for emergencies. The emergency key override function also fulfills the lockout function desired in hotel complexes. The advantage is that the special emergency key can be opened from the outside, even when there is a key inserted on the inside. Thus, the access is guaranteed at any time in an emergency. The emergency function can only be installed on one side and the emergency override key must be ordered separately.</p>  	<ul style="list-style-type: none"> • all reversible and serrated key systems 	<ul style="list-style-type: none"> • Apartment buildings • Office • Train station • Education • Hospital • Hotel • Theatre/Cinema


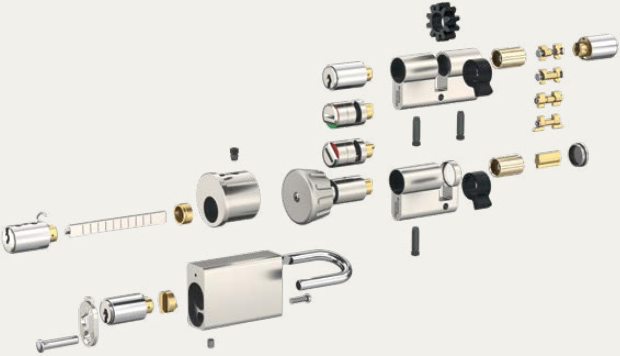
Functions

Functions	Available systems	Applications
<p>Elevator control and switch cylinder</p> <p>Control your elevator by the turn of a key. Different types of elevator control as well as different switch cylinder with on/off or impulse function to control electric devices are available.</p> 	<ul style="list-style-type: none"> • all reversible and serrated key systems 	<ul style="list-style-type: none"> • Office • Train station • Education • Hospital • Hotel • Theatre/Cinema
<p>Furniture cylinders</p> <p>Different furniture locks and cylinders for applications within furniture are available. Whether you want to lock your files, personal documents or valuables securely. With your individual key from the master key system you always have access.</p> 	<ul style="list-style-type: none"> • all reversible and serrated key systems 	<ul style="list-style-type: none"> • Home • Apartment buildings • Office • Train station • Education • Hospital • Hotel • Theatre/Cinema
<p>Freewheel cylinders for gear operated and emergency locks (FZG)</p> <p>The cam of the double cylinder with 360° freewheel can be turned freely when no key is inserted. When a key is inserted, a fixed connection is made between the key and the cam. As soon as the key is removed, the cam returns to 360° freewheel. Emergency route locks can be unlocked with an authorised key, even if a key is inserted in the opposite side of the cylinder. Also for thumbturn and double cylinders in connection with multiple point gear door locks.</p> 	<ul style="list-style-type: none"> • all reversible and serrated key systems 	<ul style="list-style-type: none"> • Office • Train station • Education • Hospital • Hotel • Theatre/Cinema


Functions	Available systems	Applications
Extreme protection – increased burglary protection		
<p>High end security Pulling and drilling protection</p> <p>To protect your home from burglaries, you should switch to the latest technologies. The housing of this lock cylinder is strengthened with steel reinforcement plates for an additional pulling protection (fig. 2). The version with steel reinforcement plates is certified in accordance with BS EN 1303:2015-08 attack resistance grade D. Hardened steel pins in the insert and housing ensure an additional protection against drilling (fig. 1). These highly secure cylinders are certified in accordance with VdS B, BZ for individual locking and locking systems.</p> <div data-bbox="124 907 976 1205"> </div>	<ul style="list-style-type: none"> • all reversible and serrated key systems 	<ul style="list-style-type: none"> • Home • Apartment buildings • Office • Train station • Education • Hospital • Hotel • Theatre/Cinema
<p>Padlock</p> <p>Integrated into your master key system you can also use padlocks with your key. Different types are available.</p> <div data-bbox="146 1355 359 1518"> </div>	<ul style="list-style-type: none"> • all reversible and serrated key systems 	<ul style="list-style-type: none"> • Home • Apartment buildings • Education
<p>Secure Access Temporary (SAT)</p> <p>In the normal (vertical) key removal position the cylinder can only be operated from the outside by the proprietor key. In the service position the lock cylinder can be opened and locked from the outside and inside by the service and proprietor keys.</p> <p>SAT-function with reversible key systems</p> <div data-bbox="119 1751 494 1863"> </div> <div data-bbox="119 1899 271 1944"> <p>Keyway in normal position: 6 o'clock</p> </div> <div data-bbox="331 1899 483 1944"> <p>Keyway in service position: 8 o'clock</p> </div>	<p>Only available with</p> <ul style="list-style-type: none"> • dormakaba expert plus • dormakaba quattro plus 	<ul style="list-style-type: none"> • Home • Apartment buildings • Small business • Education

Functions

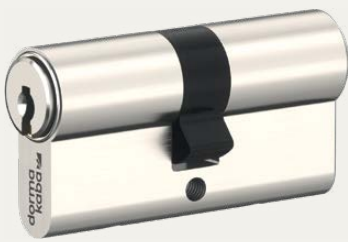
Functions	Available systems	Applications
Duplo function (DF)		
<p>Access to specific door</p> <p>Cylinders have two types of keys. One key operates the latch of the lock and the other key operates the latch and the deadbolt. When deadbolt is withdrawn, the key that operates the latch will work. When the deadbolt is engaged, the key that operates the latch will not work.</p>	<ul style="list-style-type: none"> • all reversible and serrated key systems – lock with interchangeable function required 	<ul style="list-style-type: none"> • Apartment buildings • Office • Train station • School • Hospital • Hotel • Theatre/Cinema
Protection mechanism against dust, weather and insects		
<p>If required you can protect the outside of the cylinder and extend the mechanical life. Choose from different options – the insert dust and weather protection cap or the full cylinder protection device, whose spring loaded plates are pushed open when inserting the key and spring closed when the key is retracted.</p> 	<ul style="list-style-type: none"> • all reversible and serrated key systems 	<ul style="list-style-type: none"> • Home • Office • Train station • Education • Hospital • Hotel • Theatre/Cinema
Thermally insulated cylinder (TIC)		
<p>Cold outside – dry inside</p> <p>The construction provides protection against condensation on the inside of the door (even in extremely cold outside temperatures). Additionally, it protects against rain and reduces drafts through the cylinder.</p> 	<ul style="list-style-type: none"> • all reversible key systems 	<ul style="list-style-type: none"> • Home
Thumbturn		
<p>The thumbturn is on the inside and allows you to lock and unlock doors from the inside without a key. Depending on the application you can choose different thumb-turn models.</p>  <p>Standard thumbturn</p> <p>Thumbturn with design knob</p>	<ul style="list-style-type: none"> • all reversible and serrated key systems 	<ul style="list-style-type: none"> • Home • Apartment buildings • Office • Train station • Education • Hospital • Hotel • Theatre/Cinema

Functions	Available systems	Applications
<p>WC or bathroom cylinder</p> <p>For WC or bathroom doors. Visual indication from the outside, whether the toilet or the bathroom is occupied (red) or vacant (green). Can be opened from the outside in case of emergency.</p> 	<ul style="list-style-type: none"> • all reversible and serrated key systems 	<ul style="list-style-type: none"> • Home • Apartment buildings • Office • Train station • School • Hospital • Hotel • Theatre/Cinema
<p>The dormakaba modular system</p> <p>The modular system allows cylinders to be rebuilt on site to other lengths or even other cylinder types with little effort. The keying remains unchanged.</p> 	<ul style="list-style-type: none"> • all reversible key systems 	<ul style="list-style-type: none"> • Home • Apartment buildings • Office • Train station • School • Hospital • Hotel • Theatre/Cinema
<p>Cylinder types</p> <p>Cylinders are available for different types and uses cases:</p> <ul style="list-style-type: none"> • Double, single and thumbturn cylinders in Europrofile, Swiss round profile, Scandinavian and Union oval profiles, French round profiles • Outside and inside cylinders for surface mounted locks • Furniture cylinders and locks • Camlock cylinders • Key switch cylinders • Elevator control cylinders • Padlocks • Window handles and olives • Key deposit tubes • Key storage cabinets 	<ul style="list-style-type: none"> • all reversible and serrated key systems 	<ul style="list-style-type: none"> • Home • Apartment buildings • Office • Train station • School • Hospital • Hotel • Theatre/Cinema

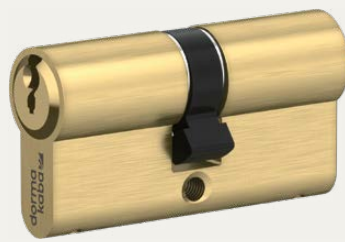
Functions

Functions	Available systems	Applications
<p>Mechatronic and electronic</p> <p>Stay flexible, stay secure Aside from mechanical key systems, we also offer mechatronic and electronic solutions for modern access and security management. Our keys can also be retrofitted with an electronic chip, for instance. The dormakaba smart key can be combined with all dormakaba mechanical and electronic door components.</p> <p>Reversible key and serrated key with RFID transponder clip</p>  <p>Mechatronic cylinder Digital cylinder</p>	<ul style="list-style-type: none"> • reversible key for mechatronic systems • serrated or reversible key systems for electronic solutions 	<ul style="list-style-type: none"> • Home • Apartment buildings • Office • Train station • School • Hospital • Hotel • Theatre/Cinema
<p>Security card as user ID</p> <p>Use your security card to identify yourself as the legal owner of your mechanical key system. Should you wish or need to order duplicate keys or additional lock cylinders your security card simplifies the order process, as well as preventing access to duplicate keys by unauthorised persons.</p>	<ul style="list-style-type: none"> • all reversible and serrated key systems 	<ul style="list-style-type: none"> • Home • Apartment buildings • Office • Train station • School • Hospital • Hotel • Theatre/Cinema
<p>Applications or OEM</p> <p>dormakaba specialises in fulfilling special requirements. More than 1,000 applications have been realised for customer specific applications. If you require a special solution please do not hesitate to contact us with your inquiry.</p>	<ul style="list-style-type: none"> • all reversible and serrated key systems 	<ul style="list-style-type: none"> • Home • Apartment buildings • Office • Train station • School • Hospital • Hotel • Theatre/Cinema

Functions	Available systems	Applications
Surfaces finishes*	<ul style="list-style-type: none"> • all reversible and serrated key systems 	



NI/ nickel natural



MS/ brass natural



CR/ chrome standard



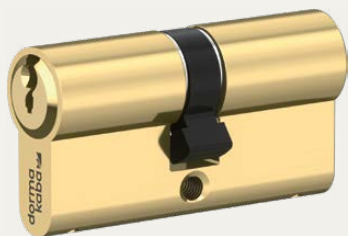
BH/ brown light



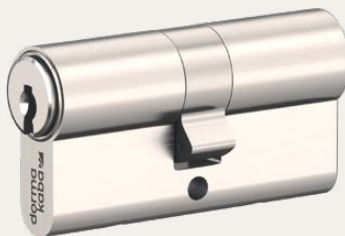
BM/ brown medium



BD/ brown dark



MP/ brass polished



NIC/ chemically nickel plated



CRP/ chrome polished

* Colours symbolically and not for all cylinder designs or thumb turn knobs. Sometimes slightly different colours between reversible and serrated key systems.

Combination of functions – reversible key systems

The following table provides an overview of the special functions available, their possible combinations with each other and the availability of the cylinder types.

Cylinder types	Order Code	Optional special functions „x“ combination possible																		
		BAZ	BAZ3	BSZ	DF	FZG	GF	PF	ZR	RB	KT	SSW	SIS	NIC	TIC	SAT2	SAT1	LAM	VDSB	VDSBZ
Double cylinder	DZ	x	x	x	x	x	x	x		x	x	x		x		x	x	x	x	x
Single cylinder	HZ	x	x		x	x				x	x	x		x		x	x		x	x
Thumbturn	DKZ	x	x			x		x			x	x		x		x	x	x		
Thermally insulated cylinder – double cylinder	DZ/TIC	x	x	x										x	x					
Thermally insulated cylinder – thumbturn cylinder	DKZ/TIC	x	x	x										x	x					

Special functions	Order Code	Optional special functions „x“ combination possible																		
Construction time function – change keying 1 x	BAZ			x		x	x	x		x				x	x			x	x	x
Construction time function – change keying 2 x	BAZ3			x		x	x	x		x				x	x			x	x	x
Double key override	BSZ	x	x							x	x	x		x	x	x	x	x	x	x
Duplo function	DF					x	x			x	x	x		x				x		
Freewheel cam for gear operated or panic locks	FZG	x	x								x	x		x			x	x		
Emergency key function	GF	x	x		x					x	x	x		x			x	x	x	x
Priority function	PF	x	x		x					x	x	x		x			x	x	x	x
Cogwheel cam	ZR	x	x	x	x		x	x	x		x	x	x	x	x			x	x	x
Relative cam movement	RB	x	x	x	x		x	x			x	x		x				x	x	x
Contact pin	KT			x	x	x	x	x	x		x			x						
Dust and splash protection	SSW			x	x	x	x	x		x	x			x		x	x	x	x	
Dust and insect protection	SIS			x	x	x		x	x					x	x	x	x	x		
Chemically nickel plated	NIC	x	x	x	x	x	x	x		x	x	x		x	x	x	x	x	x	x
Thermally insulated cylinder	TIC	x	x	x										x						
Secure Access Temporary Function 2	SAT2			x							x		x				x			
Secure Access Temporary Function 1	SAT1			x			x	x			x					x				
Steel reinforcement plate	LAM	x	x	x	x	x	x	x		x		x		x		x	x			
VdS certified: drilling protection	VDSB	x	x	x			x	x		x		x		x						
VdS certified: Pulling and drilling protection	VDSBZ	x	x	x			x	x		x		x		x						

Combination of functions – serrated key systems

The following table provides an overview of the special functions available, their possible combinations with each other and the availability of the cylinder types.

Types of lock cylinder	Order code	Other special functions; "x" = combinable options																
		BAZ	BSZ	FL	FZG	GF	PS	SUZ	VK	SSW	SWF	AS	SBS	LAM	VDSA	VDSAZ	VDSB	VDSBZ
Double cylinder	DZ	x	x		x	x	x	x	x	x	x	x	x	x	x	x	x	x
Single cylinder	HZ	x		x	x			x	x	x	x	x	x		x	x	x	x
Thumbturn cylinder	DKZ	x			x			x	x	x	x	x	x	x				

Special function	Order code	Other special functions, "x" = combinable options																
Construction time function	BAZ		x	x	x	x	x		x	x	x	x	x	x				
Double key override	BSZ	x						x	x	x		x	x	x	x	x	x	x
Relative cam movement	FL	x						x	x	x	x	x		x	x	x	x	
Freewheel cam for gear operated or panic locks	FZG	x						x	x	x	x	x	x					
Emergency key function	GF	x						x	x	x		x	x					
Restricted access option	PS	x						x	x	x	x	x	x					
Self-changable cylinder	SUZ		x	x	x	x	x		x	x	x	x	x					
Wear-resistant barrel	VK	x	x	x	x	x	x		x	x	x	x	x	x	x	x	x	
Dust and splash protection	SSW	x	x	x	x	x	x	x			x	x	x					
Seawater resistant	SWF	x		x	x		x	x				x						
Pulling protection	AS	x	x	x	x	x	x	x	x									
Sacrificial break slot	SBS	x	x	x	x	x	x	x	x	x			x					
Steel reinforcement plate	LAM	x	x		x	x	x	x	x			x						
VdS certified: Class A anti-drill protection	VDSA		x	x					x									
VdS certified: Class AZ pulling and anti-drill protection	VDSAZ		x	x					x									
VdS certified: Class B anti-drill protection	VDSB		x	x					x									
VdS certified: Class BZ pulling and anti-drill protection	VDSBZ		x	x					x									

We make access in life smart and secure

Our Offering

Door Hardware
Entrance Systems
Electronic Access & Data
Interior Glass Systems
Mechanical Key Systems
Lodging Systems
Safe Locks
Key Systems
Movable Walls
Services



Consulting
Planning
Realization
Operation
Maintenance

Our Focused Industries



Financial Industries



Airports



Offices



Healthcare



Utilities / Telecoms



Residential



Multi-Family-Housing



Production Facilities



Government



Rail



Education



Retail



Hospitality



Our Values

Customer first

We always focus what we do on the needs of our customers, partners and users.

Curiosity

We constantly scout for trends as the inspiration for future-focused solutions.

Performance

We go the extra mile to ensure customer satisfaction and set the bar high in terms of security, quality and reliability.

Courage

We are committed to continuously developing solutions that generate genuine added value for our customers and users.

Trust

Our core corporate value is at the heart of everything we do, so customers can rest assured that they are in good hands.

Our Company

More than

150

years of experience



Around

15,000

employees
worldwide

130

countries

ISO 9001
Certificate



More than

2,000

patents



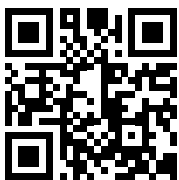
Sustainability Report
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