Optimize data centre security!

And use tiered physical access control systems.

FAAC | MAGNETIC® ACCESS TO PROGRESS | CoMETA

Contents

Why should data centres make access control easy?

From our point of view, the answer is quite obvious: Because your specialists have no time to waste. Because they have to configure your hardware. Because they have to keep the software up to date. Because they have to maintain backup and emergency systems. Because they have to provide the best data processing solution for your customers.

But above all: Because easy-to-use access control solutions pay off for data centres. For the same systems that and speed up access control processes help you to increase physical security levels and to guarantee the availability, integrity and confidentiality of the data in your care.

We at FAAC TECHNOLOGIES are convinced that we can make access control easy while maximising the level of security in your data centres. To this end, three strong technology providers have come together under our umbrella to streamline your access control processes at every touchpoint. Contact us and close the gaps!

There is one way to make access control easy.

And one specialist group for all touchpoints.

Very few processes are as clearly structured as the layered security architectures in data centres: employees, service providers and visitors are checked for authorisation when entering the fenced perimeter and the building. Effective entrance control measures ensure that only designated areas are accessible. Finally, the server room is especially protected. It may only be passed after prior registration, only with permitted tools and only after passing a metal detector. Each layer in this defence in depth reduces specific risks and attacks. Even if one layer is breached, there are additional layers of defence to prevent further unauthorised access or damage.

When deploying physical security measures is a fundamental prerequisite, FAAC TECHNOLOGIES offer you highly specialised hardware and software solutions. Each of our companies is a leader in its respective field and helps to make access control easier – faster, smoother, and more secure. Get to know them!

Get to know our data centre specialists!

The three strategic brands of FAAC TECHNOLOGIES.

Access automation

- High-security bollards

Access control

- High-security pedestrian gates
- Full-height turnstiles

Security and safety solutions

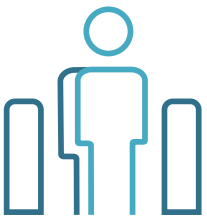
- Security portals with interlocking doors
- Burglar-proof portals
- Armoured doors

Perimeter protection

- Vehicular and pedestrian access control
- Intrusion protection

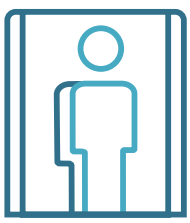
Building access and area demarcation

- Pedestrian access control
- Visitor management
- Attendance check
- Detection of weapons and unauthorized equipment



Server access

- Access control for authorised staff only
- Identity checks based on biometric features
- Detection of unauthorised equipment
- Prevention of tailgating and piggybacking



Software solutions

- User and authorisation management
- Integration of readers and scanners

Consulting and service

- Project planning
- Installation and commissioning
- Maintenance and repair

Secure your data centre!

Starting at the outdoor perimeter.

The perimeter is the first layer of protection in the physical security architecture of data centres. Typically, the properties are surrounded by high fences made of steel or concrete, and the open areas are monitored by guards and CCTV cameras. Anyone wishing to enter the data centre must pass through well-defined access points. High-security bollards and full-height turnstiles prevent unauthorised entry attempts, thanks to an access control management system offering different security levels.

High security bollards by FAAC fulfil two key security requirements at the same time:

- On the one hand, they give authorised personnel easy access to the data centre facility.
- On the other hand, they play a deterrent function and act as physical barriers, preventing unauthorised vehicles from entering the facility.

The automatic bollards open the way upon a signal from the gatehouse or from the access control software – thanks to EFO function (Emergency Fast Operation), the bollards can be raised at the very last second. Manually removable and fixed versions complete the product range granting excellent perimeter protection.

Full-height turnstiles by Magnetic guarantee a high level of security thanks to their robust design and seamless integration into fencing and protection systems. At the same time, they give authorised employees, service providers and visitors access quickly and easily. The turnstiles work with all common readers and digital scanners and can thus be integrated into the digital security architecture in just a few steps. Due to the variety of models and options, they can be ideally adapted to your requirements: Gates with single and double turnstiles can be installed depending on the frequency of use, and a swing door can be integrated to permit barrier-free passage for wheelchair users, cyclists and the transport of materials.

Make access easy for authorised users.
And deny it to anyone else.

FAAC

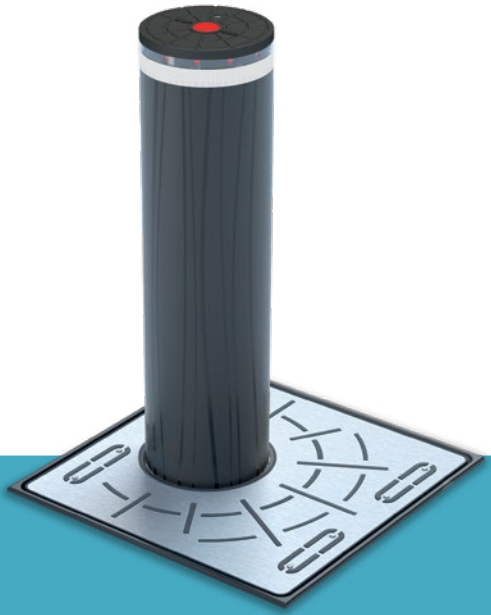
MAGNETIC®
ACCESS TO PROGRESS

High-security bollard series JS

- Tested according to the main international standards to withstand impact with a 7,5 tons truck driven at 80 km/h.
- Provided with protective covers mDure®, the patented FAAC system which, unlike other bollards on the market, allows the product to be reconditioned avoiding high disassembly and reassembly costs.
- Biodegradable oil type

Full-height turnstiles

- Sensitive impact detection for maximum safety
- Designed for 10 000 000 opening and closing cycles
- Compliant with European safety standards
- Available as single turnstile, double turnstile, turnstile with bicycle gate and wheelchair-accessible swing gate



Rapid access control management:

Precision and efficiency at every turn.

Access to the data centre building is the second layer of protection. The challenge here is to effectively deny access to unauthorised intruders. At the same time, the many authorised users should quickly find their way into the building – employees to their workstations as well as visitors and service providers to the responsible contact persons. The protection against intruders is mainly directed against unauthorised access, but at the same time it serves to prevent burglary and theft and to protect against sabotage and vandalism.

Revolving doors by CoMETA offer an outstanding access solution for data centres, both technologically and visually. They are designed for high flow and high security requirements at the same time. As a matter of principle, passage is only granted to individual persons and only after the authorisation has been presented. The passage process is continuously monitored, and tailgating and piggybacking attempts are consistently blocked.
The large-area glass elements ingeniously conceal the reinforced structure of the revolving doors. They are burglar-proof and bullet-proof according to high resistance classes. Further reinforcements with steel panels and safety glass additionally increase the level of protection.

Integration into existing buildings is very easy: The removable structure can be installed directly on the existing floor, and thanks to the flexible control system, the revolving doors work with all common readers and digital security systems.

Armored doors by CoMETA are particularly suitable for complementary high security access applications. They can be used to create secondary entrances and emergency exits with the same level of security as the main doors. The variants with glass panes provide a friendly welcome for staff and visitors and disguise the high protection ridge. Variants with steel panels offer maximum burglary and bullet protection.

Designing security: making a stylish statement on safety.

CoMETA
Reliable Security

Self-managed security revolving doors

- For fast access control with large numbers of people in short time
- Prevention of tailgating and piggybacking
- Burglar-proof according to RC4, bullet-proof up to FB4 and BR4/S
- Available in diameters of 1600 mm, 1800 mm and 2300 m

Armored doors and emergency exits

- For emergency exits and low-traffic side entrances with high safety requirements
- Escape route according to EN 1125
- Steel armored structure burglar-proof according to RC4 (EN 1627), glass elements bullet-proof according to BR3/S (EN 1063)
- Available in various dimensions

Demarcate strategic areas!

And reinforce effective control.

The demarcation of strategic areas is the third layer of data centre security architecture. Employees, service providers and visitors are only granted access to areas that are relevant to their activities. This minimises the risk of access authorisations being misused to cause damage or to steal sensitive data – thus protecting your data centre against social engineering and against deliberate attacks by employees.

The demarcation is enforced with automatic access control systems: Workstations, server rooms and operating rooms for air-conditioning, fire protection and monitoring are only accessible to persons from specific departments. Pedestrian gates from Magnetic are particularly suitable for this application:

Choose fast access control.
Choose Magnetic.

mWing from the FlowMotion® series is ideal for visitor areas and places where design plays a special role: With its slim silhouette, its flowing lines and the all-round frame-edge illumination, the pedestrian gate blends seamlessly into modern architectures. Numerous colours and effect finishes enhance the appearance of your company.

mFlow is the specialist when it comes to your individual technical requirements. Thanks to the flexible Momentum® platform, you can seamlessly integrate readers, biometric scanners and additional displays into the access control systems. Thanks to the comprehensively monitored passage process, abuse through swapping or tailgating is effectively prevented.

Both systems can be precisely adapted to your users and your security requirements: with standard width passages and wide lanes for wheelchairs, with barrier elements in different heights and with over-climbing protection.

MAGNETIC®
ACCESS TO PROGRESS

Pedestrian Gate mWing

- Outstanding design with slim silhouette and flowing lines
- Extremely short opening and closing times
- Glass elements available in standard version, high version and high version with climb-over protection
- Designed for 10 000 000 opening and closing cycles

Pedestrian Gate mFlow

- Comprehensive customisation with readers, biometrics and in the integration with the digital infrastructure of the data centre
- Extensively monitored passage process eliminates tailgating and swapping
- Glass elements available in standard version, high version and high version with climb-over protection
- Designed for 10 000 000 opening and closing cycles

Secure server access:

Total control for all users and devices.

Access to the servers is the fourth and decisive layer of protection within the security architecture. Only authorised persons with authorised equipment may enter the heart of the data centre – and only after multi-level authentication. The physical access control can be implemented on several levels: Authorised personnel are granted access to the entire data centre floor, to individual aisles or only to specific server racks.

With CoMETA's security portals, you can implement high security access management to protect your core technologies. The interlocked door systems rely on two doors. The exit door leading to the servers only opens when the entrance door has closed, and the person inside has passed the pre-set control phase. For this check, cameras for face recognition, fingerprint scanners for identification and metal detectors to detect unauthorised devices are available. The load cell weighing system additionally checks the presence of a person, ensures the uniqueness of passage (anti-hostage function) and detects objects left behind.

The security portals rely on total self-management and control all processes in the passage themselves. In the event of unauthorised behaviour, they block the exit and trigger an alarm. In addition, the autonomous control protects the access management from manipulation from the outside.

Elevate server security.

Rely on CoMETA.

CoMETA
Reliable Security

Square base security portals

- Self-managed portal with interlocking doors system and single passage checking
- Verification of identity with face detection and fingerprint control
- Load cell weighing system and metal detectors for additional security
- Burglar-proof up to RC4 according to EN 1627, bullet-proof up to FB4 according to EN 1522
- Available with 90° or 180° transits and with 1050 × 1050 or 1500 × 1500 mm base

Round base security portals

- Self-managed portal with interlocking doors system and single passage checking
- Verification of identity with face detection and fingerprint control
- Load cell weighing system and metal detectors for additional security
- Burglar-proof up to P6B according to EN 356, bullet-proof up to BR3/S according to EN 1063
- Available with 180° transits and with 1050, 1150 or 1500 mm diameter base

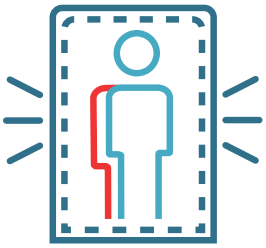
Technologies to protect you.

And your clients' data.

With our security systems, we ensure that only authorised users have physical access to your servers and your client's data. We contribute to the security of your data centres with sophisticated technologies.

The first step in protecting your critical infrastructure is to allow access to the building or individual areas only at defined points. Using burglar-resistant and bullet-proof materials, we secure these control points to make forced entry almost impossible. Everyone who enters the building is separated and checked for authorisation.

Unite technologies
for maximum security.



Materials with high protective effect

CoMETA manufactures revolving doors and security portals from 40/10 or 30/10 pressure bent sheet steel in monobloc construction. The transparent elements made of laminated security glass are burglar- and bullet-proof according to the highest international standards.

Protective effect

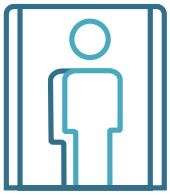
+ Burglar- and bullet-proof materials effectively counteract forced entry attempts, vandalism and terrorism.
+ The mono bloc design prevents manipulation from the outside.

Single passage checking system

Reliable separation is the essential prerequisite for secure access control. CoMETA employs interlocking doors and security systems such as weighing scales and presence detectors to ensure that only one person at a time can use the passageway.

Protective effect

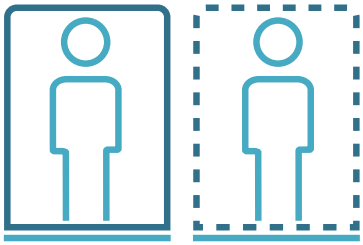
+ Protection of the passageway against unauthorised access
+ Protection against piggybacking and tailgating attempts
+ Denial of access even in hostage situations



The second step in securing your facilities focuses on reliability of the separation. Authorisation verification using tokens and biometrics only leads to the desired level of security if the access control systems cannot be circumvented by user fraud. This is why we use technologies such as the Weighing cell system and the Single passage checking System, which effectively detect and prevent unauthorised behaviour such as tailgating and piggybacking.

The third step within the security architecture concerns unauthorised objects. These can be devices that enable manipulation of the servers or data storage, or firearms and stabbing weapons that unauthorised persons use to force entry. Our highly sensitive metal detectors can be adjusted to numerous international standards and can reliably detect these objects at all access control points in the building.

We unite our security technologies in our revolving doors and security portals and guarantee you optimum protection for your data centres. At the same time, comprehensive monitoring of the access process is essential to make access easy – and save your employees time and trouble.

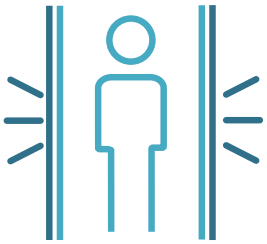


Weighing cell system

The weighing cell system monitors the absolute weight load during the passage and compares the weight before and after entering. The basket type checks weight variation on floor, sides and ceiling; the platform type checks the weight variation on the floor.

Protective effect

+ Protection against piggybacking and tailgating attempts
+ Denial of passage even in hostage situations
+ Alarm in case of manipulation and objects left behind on the floor (platform type) and on the sides and ceiling (basket type)



Metal detection

Most revolving doors and security portals by CoMETA can be equipped with metal detectors. The sensitivity of the detectors can be set to a wide range of values to suit your requirements. Alternatively, you can select the desired International Safety Standards directly.

Protective effect

+ Protection against intruders with firearms and stick weapons
+ Denial of passage if unauthorised objects are detected
+ High discrimination rate between personal objects and firearms reduces false alarms

Our readers and software:

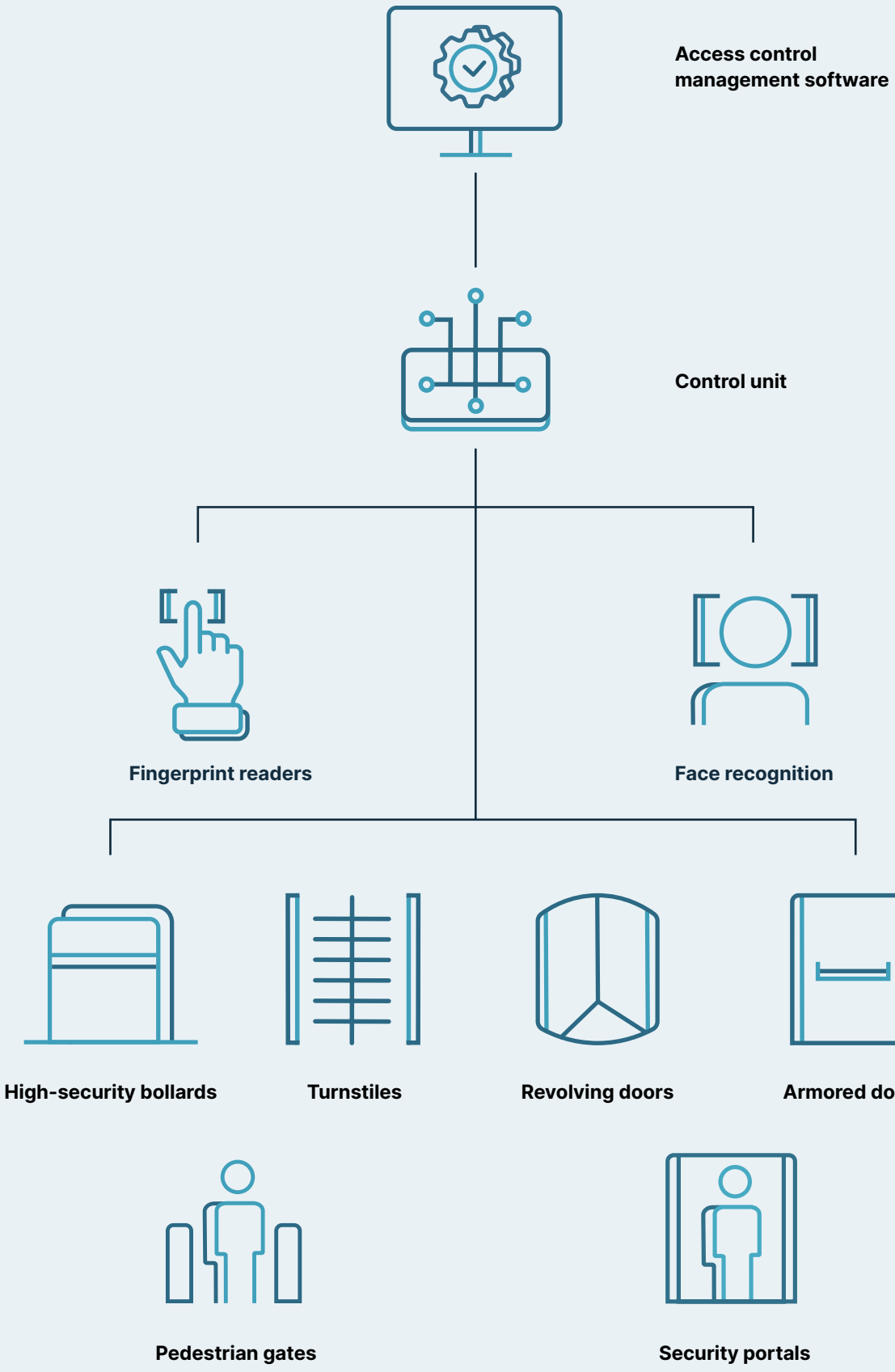
One solution to control them all.

The access control management software and control units are the core of the security architecture in your data centre:

- They control authorisation and determine which users are granted access to the individual areas.
- They enable the management of user identities and the definition of roles and authorisations.
- They log all activities and enable forensic analyses.
- They monitor user activities, detect suspicious behaviour and prevent unauthorised activities. The anti-passback logic is central to data centres: it ensures that a user cannot enter the same gate twice without exiting, thereby preventing the misuse of authorisations.

At FAAC TECHNOLOGIES, we offer you a comprehensive software solution for access control. Our powerful software package can easily manage large and complex facilities with a virtually unlimited number of gates. The web-based interface visualises statistical information and provides detailed information on every event recorded in the system.

But above all, it makes access easy. It identifies users with all common readers and biometrics and grants them access if they are authorised – at all bollards, turnstiles, revolving doors, pedestrian gates and security portals on your premises.


Access control management software
Control unit
Fingerprint readers
Face recognition
High-security bollards
Turnstiles
Revolving doors
Armored doors
Pedestrian gates
Security portals

Your access to sustainability.

Made easy.

Our resources are limited, and our local actions have global impacts. That is why we must consider our future living conditions in our current business activities. We have therefore derived clear product characteristics from the overarching value of sustainability.

Long service life

We design our access control systems for a long service life and a large number of passage cycles. The pedestrian barriers from Magnetic, for example, are geared towards 10 000 000 opening and closing movements. To achieve this, we rely on maintenance-free drive units and control units with communication and bus systems that will even be connectable in the future. Thanks to the long service life, the energy used in manufacturing our products is hardly an issue.

Low energy consumption

Our access control systems guarantee impressive dynamism with extremely low energy consumption – both during movement and in standby. Operation of our pedestrian gates is therefore not only environmentally friendly, but also offers you lasting economic efficiency.

Transparent declaration

We have initiated a process to create an Environmental Product Declaration (EPD) for all our key products. This will provide you with detailed environmental information about the entire life cycle of our products. With this data basis, you can evaluate the ecological quality of your building even in the planning phase.

Easy repairability

Our products are designed for easy repair. The sleeves of the bollards, for example, can be replaced easily after a collision. Particularly easy is the maintenance of mFlow and the other pedestrian gates from the Momentum® series. Here, central components such as the drive and control units are designed as modules and can be replaced in just a few simple steps. This means that our products can be in use for a long time – while preserving natural resources and your company's budget.

Eco-friendly materials

We consistently avoid harmful and climate-damaging substances in our products and manufacturing processes. For example, we use EcoLabel-certified vegetable oil for the hydraulics in our bollards. We have also developed mDure®, an environmentally friendly 2-component material for the housings of pedestrian gates and the sleeves of our bollards: It is highly resistant to scratching, impacts and abrasion, contains neither plasticisers nor solvents and can be recycled without harming the environment.

FAAC Technologies: close to you.

53 *legal entities present in 29 countries, distributed across 5 continents*

3,600+ *people*

16 *assembling centers all over the world*

We are here for you.

During the planning. During the implementation. And far beyond.

Data centres place high demands on access security. Only if all access control systems are properly planned and fulfil their function faultlessly, they can meet the demanding security requirements and at the same time make access easy for authorised users. Therefore our expert advisors, sales and service technicians provide support during the initial planning meeting, during installation and, above all, later during ongoing operation. As a globally active group of companies, we at FAAC TECHNOLOGIES are always close to you – with the employees in our sales offices and certified partner companies worldwide.

We have always been at the forefront of excellence and on the highest level of quality in the production and the maintenance of all our integrated solutions and mechatronic systems. Our main purpose is to offer maximum security and long-term reliable solutions. The corporate payoff on our CoMETA brand logo reads: **“Reliable security”.** That’s real. Reliability, quality, loyalty, honesty are our key values.

Thanks to these values FAAC TECHNOLOGIES has been able to create important relationships with customers and partners, growing its business from Europe to Africa, Middle East, Asia and America.

We take over for you:

Consultation and project planning

Installation and commissioning

Training and further education

Maintenance and repair

Extensions and modernisation

Need more reasons?

Take a look at our installations!

We ensure security and make access easy – for numerous international companies and data centre operators as well as in cooperation with leading system integrators in the data centre market segment.

Entrance to a staff area

Installed products

2 Cylinder security portals Co137.70 with interlocking doors and a round base with 1150 mm outer diameter, 1 Armored emergency exit Co156.E with anti-panic push bar

Accessories

Customer-specific authentication devices

Entrance to server area

Installed products

1 Panorama cylinder security portal Co138.S90 with interlocking doors and a round base with 1500 mm outer diameter, featuring single person checking system and abandoned object detection system

Accessories

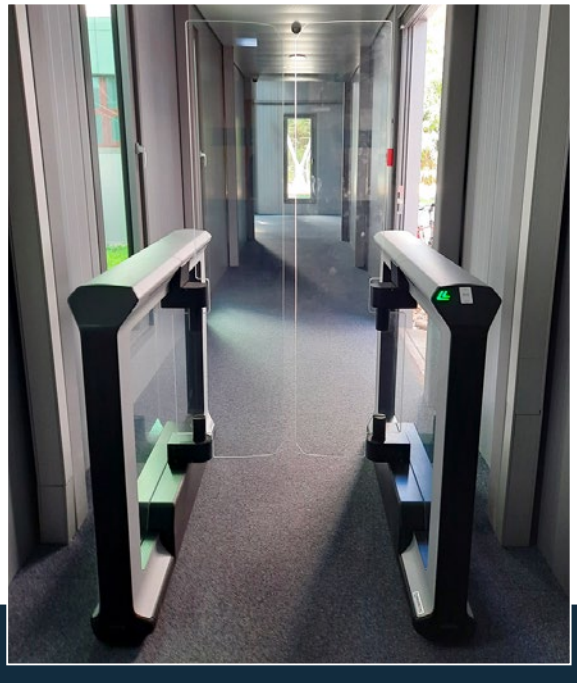
Customer-specific authentication devices

To ensure security, it is crucial not to talk about security. For this reason, we avoid naming the brands and names of our customers.
Nevertheless, we would like to give you an impression of our projects. That is why we show you some installations with pictures that do not reveal the location, the customer or the function within the building.

Entrance to the security area

Installed products
1 mWing pedestrian passageway with high wing gates, height of the barrier elements 1800 mm

Accessories
Customer-specific authentication devicess



Perimeter protection

Installed products
JS series high-security bollards in front of the Hungarian Parliament

360° access control systems from one group of companies.

For data centres and system integrators.

For whom is your data center crafted? Who manages its operations? And who integrates state-of-the-art security technology? Catering to diverse customer needs, we provide tailored solutions for every unique requirement.

Everything from a single source:
for data centre operators

From vehicle access to the entrance to the building and area demarcation right through to access control to the server rooms: Our physical security systems protects every single layer of your data centre.

In addition to physical access control, we offer you digital systems that network, manage and control all your bollards, turnstiles, pedestrian barriers and security portals on a daily basis. This includes control units, readers and biometric scanners as well as our central software application. Make FAAC TECHNOLOGIES your single source!

Customized to your demands:
for system integrators

System integrators in the field of physical security in data centres are usually software specialists who develop higher-level applications. For these applications, we offer you access control systems that can be easily integrated into your comprehensive solutions – thanks to a wide range of models, a variety of digital interfaces and protocols, and versatile visual customisation options. Make it yours!

Contact us.
And close the gaps.

export.info@faactechnologies.com
www.faactechnologies.com

We are three companies specialized in data centre access security, but as part of FAAC TECHNOLOGIES we naturally speak with one voice. Via our central e-mail address, you have direct contact with our sales experts, who have extensive knowledge of the data centre market sector.

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