**One seamless passenger journey.**
One specialist group across every airport touchpoint.

FAAC | MAGNETIC® ACCESS TO PROGRESS | CoMETA | Parking Technology HUB

# Contents

# Why should airports make passengers happy?

From our point of view, the answer is quite obvious: Because happy passengers are completely relaxed when they get to the plane. Because happy passengers like to spend time in the restaurants and stores at the airport. And because happy passengers will be glad to come to your airport again.

But above all: happy passengers make airport operators, airlines and security authorities happy, too. For the same systems that reduce waiting times and make security checks convenient also improve orientation in the building, increase the level of security at the airport, and significantly reduce operating costs.

We at FAAC TECHNOLOGIES are convinced that we can turn your travellers into happy passengers. To this end, four strong technology providers have come together under our umbrella to streamline your airport processes at every touchpoint. Talk to us and take off!

# There is one journey to make passengers happy.

## And one specialist group for all touchpoints.

**FAAC** TECHNOLOGIES

Very few processes are as clearly structured and standardised worldwide as the passenger journey at the airport is: Travellers arrive, they park their vehicles, they enter the terminal building, they check in, they enter the security area, perhaps they relax briefly in a lounge, then they pass through customs and board the aircraft after a final check at the gate.

For all these contact points, the FAAC TECHNOLOGIES brands offer you highly specialised hardware and software solutions. Each of our companies is a leader in its respective field and helps to make your processes safer, faster and smoother – and your passengers happier.
Get to know them!

# Get to know our airport specialists!

# The four strategic brands of FAAC TECHNOLOGIES.

**Parking Technology HUB**

## Parking solutions

- Software solutions for parking management
- Payment and entry/exit stations
- Car park equipment

**FAAC**

## Access automation

- Automatic doors
- Bollards

**MAGNETIC®** ACCESS TO PROGRESS

## Access control

- Vehicle barriers
- Pre-security gates
- ABC gates
- Boarding gates
- Turnstiles
- Mobile reservations and digital payment

**CoMETA Reliable Security**

## Security and safety solutions

- High-security revolving doors
- Interlocking security door systems

## Parking and traffic management

- Airport parking management
- Parking lot access
- Traffic management
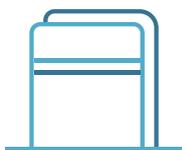- Vehicle access control

## Passenger processes

- Door automation
- Pre-security checks
- Lounge access
- Automated border control
- Security areas

## Perimeter protection

- Perimeter security
- Access control for staff

## Consulting and service

- Project planning
- Installation and commissioning
- Maintenance and repair

Give your passengers a friendly welcome and streamline your parking and traffic management processes with Magnetic and HUB Parking Technology! For there is no second chance for the first impression.

**Parking and traffic management**

# Guide your passengers!
## Right from the start.

Most passengers arrive at the airport by car. Parking the vehicle is thus often the first point of contact with your airport. And the easier and more convenient you make the entire parking process, the faster and more relaxed passengers will be on their way to the aircraft. But there is more to this: The management of parking areas has become an essential source of revenue for airport operators. The more efficiently you market and operate the parking services, the more your investment in these infrastructures will pay off.

We at FAAC TECHNOLOGIES have two proven specialists in our group of companies who can take your parking processes a decisive step further in terms of efficiency and convenience:

HUB Parking Technology is one of the world's largest developers of digital parking systems. Their software solutions can be seamlessly integrated into higher-level systems and work smoothly with third-party systems. HUB's local experts can design and tailor your installation to satisfy every specific requirement – thanks to long tradition and global expertise. They will make parking processes convenient for passengers as well as profitable and easy to manage for operators.

Magnetic is a technological leader in the field of vehicle barriers and pedestrian gates. As one of the few suppliers in the market segment of access control, Magnetic develops the drive and control technology in-house from scratch. Airport processes benefit significantly from this technology: The high opening and closing speeds reduce waiting times and provide immediate feedback for passengers. And the long service life and high reliability of Magnetic's barriers enable smooth, efficient and economical operation in the long term.

# Millions of cars.

## And one system to manage them all.

How do you make parking at the airport as easy and convenient as possible for passengers? Our specialists at HUB Parking Technology envision it like this: passengers book and pay for their parking space long before they set off. Once they arrive at the airport, they drive up to the barrier without queuing. The barrier opens automatically within seconds because it recognises the car's licence plate. And when returning from their journey, travellers simply walk to their car, get in and leave the car park – without using a payment machine, without showing a ticket, and without any stress at all.

That's why HUB Parking Technology develops parking solutions that make travellers happy – and at the same time significantly boost the performance and efficiency of parking processes for operators.

The Janus Management System (JMS) is specially designed for large airport infrastructures and can control and monitor a multitude of parking areas and car parks, thousands of parking spaces and millions of transactions per day. JMS intuitive dashboard displays information from on-site peripherals and Business Account management, with the flexibility of integrating third-party devices and reservation systems. This applies to licence plate recognition and parking guidance as well as to pre-booking and payment systems that grant travellers the choice whether to reserve and pay in advance for their parking fee, online from home, or at the pay-on-foot station in the car park. Thus, the Janus Management System can be smoothly integrated into existing parking architectures and can be expanded and adapted to new conditions at any time during operation.

Use the Janus Management System
and raise the bar: for the comfort of your
travellers as well as for the efficiency of
your processes!

# Make parking intuitive and convenient!

# Just use the Janus Management System.

## Your benefits

### Tile-based user interface

JMS gives you direct access to all the functionalities from the dashboard. Actions are colour-coded and grouped by area of function, making the dashboard extremely intuitive and user-friendly.

### Cross-platform solution

JMS runs directly in the browser and can therefore be used on all devices (desktop, notebook, tablet, smartphone) and on all relevant operating systems (Windows, macOS, iOS, Android).

### Complete cloud operation

You can host JMS on your own servers, or you can take advantage of our cloud solution: optimize your infrastructure, get the full benefits of backup and redundancy, and reduce your costs!

### Centralized control room

One centralized control room allows you to monitor multiple car parks, both remotely and locally. The sophisticated visualisation of the data ensures that neither measures are forgotten nor revenue is lost.

## Your Technologies

### Pre-paid parking online

Is there anything better than driving to a parking facility, already knowing your spot is secured and paid for in advance? Choose pre-paid parking for a hassle-free experience – and optimise capacity and pricing!

### Licence plate recognition and inventory

Every car has a unique licence plate. Use this as a virtual ticket to make access faster and smoother! In addition, regular checks on the parked vehicles give you a better understanding of the parking habits of customers.

### Parking guidance systems

Guide travellers directly to the nearest available parking space! With traffic monitoring, parking space control and variable message signs, you can not only reduce search times and congestion, but also adjust pricing according to demand.

### Customised parking applications

Airport employees, business customers and companies using taxis, rental cars or shared rides: with the Business Account management, you can guide, monitor and bill all these target groups – and thus increase safety and cost-effectiveness.

# Benefit from HUB's experience!

HUB leverages industry know-how from more than 10,000 installations around the globe (over 120 in the airport sector) to take parking expertise to the next level. Here are three we would like to present to you.



**Los Angeles (LAX), Economy Parking**

**Parking spaces:** 4,300 new parking stalls
**Technologies:** pre-booking with dynamic pricing, touchless entry and exit, smart sensors
**In operation since:** 2021



**Copenhagen Airport Kastrup (CPH)**

**Parking spaces:** 11,000 spaces in 19 distinct areas
**Technologies:** licence plate recognition (LPR), scalable, virtualized parking management system, full IP integration of peripherals
**In operation since:** 2017



**Oran International Airport (ORN)**

**Parking spaces:** 3,500 spaces in 6 areas
**Technologies:** ticketed and ticketless systems; integration with LPR, parking guidance system with VMS led signs, handheld and desk fee computers as back up
**In operation since:** 2022

# Get close to your passengers!

## And deliver a seamless and secure parking experience.

The entry stations and vehicle barriers at the entrance to the car park are the first physical touchpoints where passengers interact with the airport, and the payment and exit stations are the last ones before they leave.

To give your passengers a friendly welcome and guide them to their parking space and into the airport building as easily as possible, HUB Parking Technology has developed the JUPITER product range that enables you to physically implement numerous offers to increase the comfort of your travellers:

- Contract parking
- Credit card based parking
- Pre-paid parking online
- License plate recognition
- and combinations of these
- integration with toll systems

What makes JUPITER products special is their intuitive user interface, their modular design and their technological openness – whether it is integration into higher-level software architectures such as the Janus Management System or interoperability with new ticketing and payment processes. Use JUPITER for a passenger experience at the highest level – and improve your operations' efficiency at the same time!

**Automated payment station APS**

- Multiple combinations of electronic payments, coins, banknotes, and vouchers
- Ticketless and cashless parking via credit cards, QR codes, Bluetooth or NFC
- Enabling a seamless parking experience by saving times and resources

**And the barriers?**
You might wonder why you don't see a vehicle barrier with all the hardware. That's because at FAAC TECHNOLOGIES, each company does what it does best – and when it comes to barriers and speed, our specialist is Magnetic. Just turn the page!

## Lane entry/exit stations LES

- Highly flexible units to control the lane entry by issuing barcode tickets, QR codes, or checking cards, tags and smartphones
- Available as slim version for limited space or as double-height versions for cars, vans and trucks
- Intuitive visual indicators for clear user guidance

## Variable message sign display modules

- Clear communication in the local language(s) and with indication of available parking spaces
- For indoor and outdoor installation, wall- or pole-mounted

# Raise the bar!

## And control the traffic.

High-performance barriers are crucial for the comfortable arrival of your passengers: They provide unmistakable feedback on the validity of the access authorisation, they reduce congestion when entering the car park, and of course, they prevent unauthorised persons from entering the parking facilities.

Magnetic offers Parking Pro which is specifically designed to meet the requirements of parking applications at your airport:

- Extremely fast opening and closing times of down to 1.3 s
- Reliable detection of following cars (tailgating)
- Articulated boom (option) for low ceiling heights

The Parking Pro also convinces your passengers visually: The striking design with the articulated boom has not only won several awards, but can be seamlessly integrated into the appearance of your airport via an individual colour scheme.

But Magnetic has even more to offer airport operators than car park barriers. The access barriers control traffic on the roads of the airport infrastructure, and particularly long barriers and barriers with boom skirts and climb-over protection secure access points against unauthorised entry into the area of logistics and airport operations.

What all Magnetic barriers have in common: They not only make travellers happy, but also reduce service effort and operating costs at the same time:

- Low power consumption
- Designed for 10,000,000 cycles
- Legal security thanks to conformity and performance declaration according to EU regulations.

**Car park barrier Parking Pro**

- For vehicle access to car parks and parking spaces at the airport
- Reliable prevention of cheating attempts (tailgating)
- Numerous options for visibility and individualisation

German Design Award
SPECIAL MENTION

reddot design award
winner 2012

**MAGNETIC**®
ACCESS TO PROGRESS

As you can see, there are many
good reasons for Magnetic barriers.
Raise the bar!

## Access barrier Access Pro/Pro-L

- For traffic management and access control in
  the airport operations area
- Extensive interfaces for integration into
  higher-level architectures
- For barrier widths of up to 3.5 m (Access Pro)
  and 6.0 m (Access Pro-L)

## Access barrier Access Pro-H

- For access control to logistics and airport
  operations areas
- Protection against unauthorised pedestrian
  entry with boom skirts and climb-over pre-
  vention (options)
- For barrier widths up to 6.0 m, larger barrier
  widths possible with the Access XL2 (8.5 m)
  and the Access XXL (10.0 m)

German
Design Award
SPECIAL
MENTION

reddot design award
winner 2012
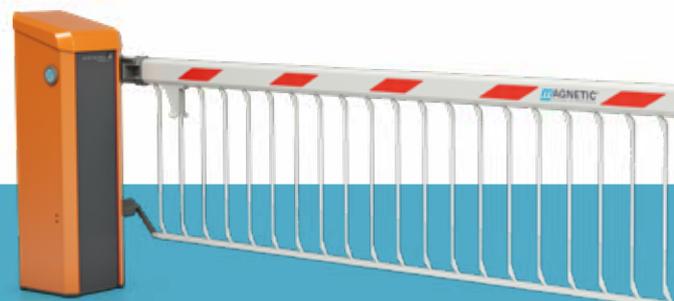
**FAAC**

FAAC is the access automation specialist in our group. The company offers a wide range of automation solutions for sliding and folding doors. Products available exclusively from FAAC are the AIRSLIDE sliding doors, which keep out cold and other negative environmental influences with an integrated air barrier, even when the doors are open. Moreover, the folding door series SF1400 combines access automation with the set-up of safe escape routes.

# Make your passengers feel like home!

## And reduce costs and waiting times on the way to the aircraft.

Whether they board a plane in Kuala Lumpur, Rio de Janeiro or Rome – travellers typically pass through the same stations: they enter the terminal, proceed to the security area, possibly take a break in the lounge, then they pass through customs and finally board the plane at the gate.
Even though these processes are identical all over the world, the implementation at your airport is what counts. With a clearly structured passenger journey, you reduce waiting times for the guests at your airport and give them time to linger in the restaurants, shops, and on the observation deck. At the same time, automatic access and control systems save you costs in the long term, free up staff time for important tasks, and increase the level of security because every traveller is consistently checked.

Under the umbrella of FAAC TECHNOLOGIES, three specialists have joined forces to offer technically outstanding solutions for all relevant touchpoints at your airport. Get to know them – and get the most out of your processes!

**MAGNETIC®**
ACCESS TO PROGRESS

Magnetic is much more than the technology leader for barriers. The German company uses its 200,000-fold proven drive and control technology to redefine access control at airports. With Momentum®, Magnetic offers a modular series that you can adapt technically and visually to the specific requirements of your airport. Concomitantly Momentum® consistently speeds up your processes and significantly reduces downtimes thanks to its modular, durable technology.

**CoMETA**
Reliable Security

The CoMETA brand stands for comprehensive security solutions. In addition to security doors, interlocking door systems and emergency exits, the range includes biometric readers, metal detectors and security locks. For the airport sector, CoMETA offers a wide selection of security doors which, thanks to their transparent elements, allow an open view through the terminal building and at the same time meet the highest security standards – especially regarding bullet resistance and anti-burglary protection.

# Open the doors!

## And shield your passengers from weather and dirt.

Your travellers have a clear destination in mind. Nevertheless, they need to pass through numerous doors on their way to the aircraft. For your airport, these doors have a variety of purposes: They provide access to the terminal and at the same time lock it off from the outside, they secure protected areas and direct the flow of travellers in the desired direction. And to ensure that passengers reach their destination as quickly and comfortably as possible despite all the doors, there are suitable sliding and folding door solutions from our access automation specialist FAAC.

AIRSLIDE is specially designed for access to buildings. FAAC's patented design accommodates the drive and control units of the doors together with the fan for the air curtain in a compact and visually appealing housing that can be integrated into any architectural context. The air curtain effectively prevents exchange between the air inside and outside. In this way, you ensure a pleasant air quality for passengers and can climatise your buildings more efficiently at the same time.

The folding doors from the SF1400 series have a particularly space-saving design and are used wherever a safe escape route must be available in addition to automatic access control – for example, in area boundaries and airlocks that direct travellers in one direction. Therefore, SF1400 complies with EN16005 as a mechanical breakout escape route and allows people and trolleys to exit easily.

You want to give your travellers a friendly welcome?
Step in and discover the FAAC automatic door systems!

**FAAC**

## Automatic sliding door with integrated air curtain AIRSLIDE

- Patented system: AIRSLIDE combines the automatic opening and air curtain systems in one single unit, with obvious aesthetic and functional advantages.
- Better air quality: the air curtain limits the entry of smog, dust, dirt, and insects from the external environment.
- More energy efficiency: the air barrier protects the entrance area from the cold in winter and the heat in summer, thereby helping to reduce energy consumption.

## Automatic balanced door series

- High comfort: The control unit is fitted with an extremely sensitive reverse on obstacle detection system.
- High energy savings: The balanced doors optimise the opening and closing cycles to prevent the unnecessary dispersion of air.
- Certified escape route: FAAC automatic door series comply with EN16005 and are specificallydesigned for entrances where a safety exit has to be provided.

# Gain Momentum!

## And make the passengers part of the process.

Improving airport processes today is mainly about speeding up access control systems – before the security area, at border control and when boarding the aircraft. But how many people a system can control within a given time period depends mainly on the people.

Therefore Magnetic developed the Momentum® range: to make the passage process as simple as possible.

Make passengers the most important part of the process – and allow the flow of people to gain momentum!



**Step 1:** The floor lighting visually highlights the Momentum® barriers from the terminal environment and provides orientation before travellers even start the passage process.

**MAGNETIC®**
ACCESS TO PROGRESS

**Passenger processes**
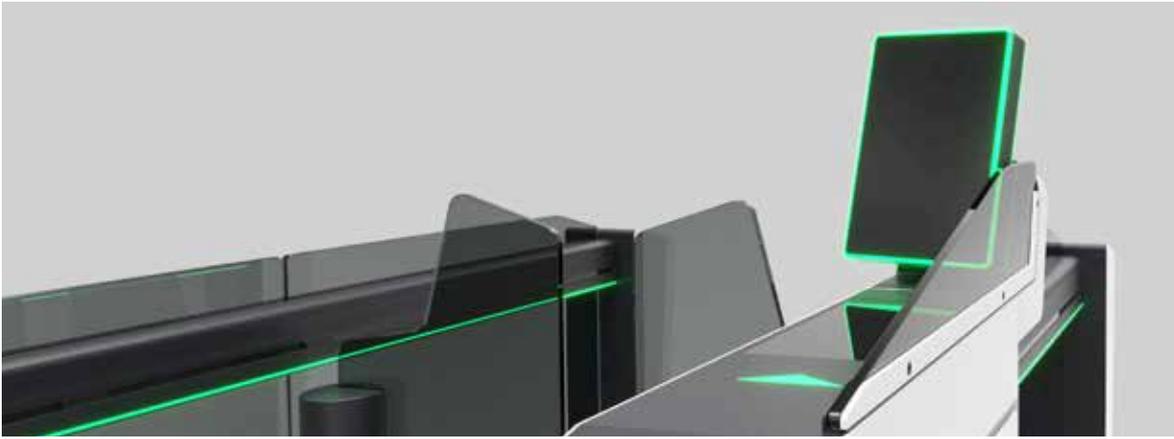
**Step 2:** The lighting elements on the drive unit, on the frame modules and on the display guide the travellers step by step through the passage process.
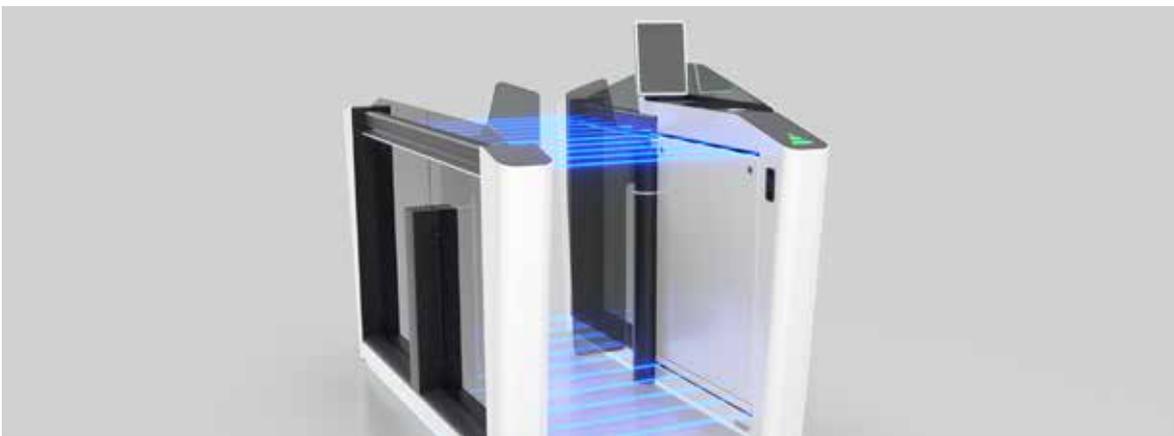


**Step 3:** Light barriers monitor the entire passage. They enable comfortable, contactless passage and ensure a continuous passenger flow with queuing detection. In addition, they consistently prevent fraud such as swapping of individual passengers during the verification process.



**Step 4:** And of course, the highly dynamic control and drive unit reduces the opening and closing times of the barrier elements to the absolute minimum.

# Make it yours!

## And adapt design and technology precisely to your needs.

The speed gates of the Momentum® series feature a very modular design. The control unit, drive unit and frame modules are the only components used in every installation. In addition, you can easily turn any Momentum® access control system into your own: with individual colours or stainless steel, with additional mountings for displays and gantry systems, and with cabinets and entry modules into which you can easily integrate all the computing units and readers you need.

The modular design has even more advantages. On the one hand, it gives you flexibility and enables you to adapt your speed gates to new technologies or changed legal requirements even in several years hence. Above all, however, the modularity considerably reduces the downtimes of the Momentum® speed gates. If despite extensive quality assurance the drive or control unit should ever fail, the defective component can be removed in a few simple steps and replaced with a new module. Lengthy maintenance work in the passenger area can thus be effectively avoided.

Make your choice –
and make it yours!

The entry and control modules are available in a variety of colours and in a stainless steel version. Integrate Momentum® into the appearance of your airport or make a strong brand statement!
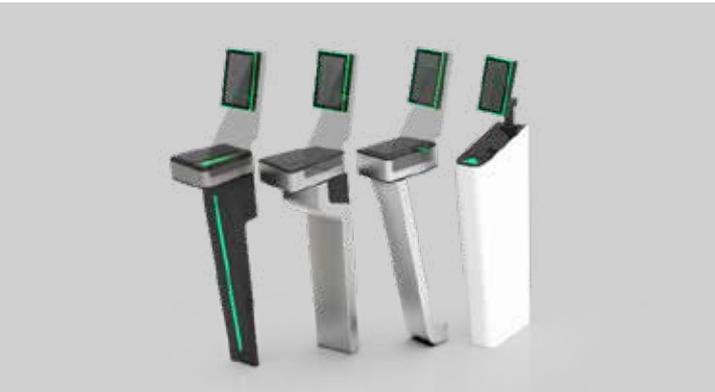


Pedestrian gates are important points of contact. Customize your entry module with readers and displays and give your gate an individual interface!



The modular gantry system allows you to bridge the gap and eliminates the need for cable ducts across the floor. Easily attach additional biometric devices, information displays, cameras and sensors according to your individual requirements.
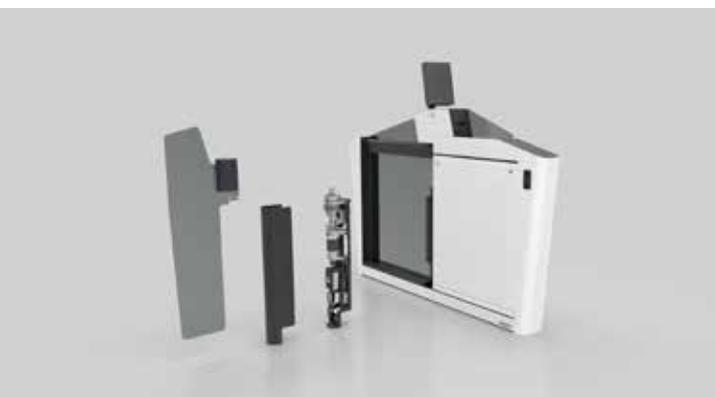


Thanks to the modular design, all relevant components can be unscrewed, unplugged and replaced within a very short time. Inactive lanes and time-consuming maintenance work in the passenger area are therefore a thing of the past.

# Make passengers get in fast!

## And create time to relax.

Systematic control of boarding passes, identity documents and biometrics is an integral part of the passenger journey at the airport – starting with the verification of access authorisation at the entrance to the security area. Here, travellers typically have to expect queues and waiting times. This is where the Momentum® speed gates by Magnetic come into play: they speed up checks and allow the flow of people to gain momentum. Thanks to their intuitive operation, comprehensive monitoring and high reliability, a large number of travellers can be controlled in a very short time.

mPass is designed for pre-security checks and offers installation space for boarding pass readers, biometric scanners and the additional hardware required to operate these devices. Like all models in the Momentum® series, mPass can be easily integrated into the existing common-use infrastructures at your airport.

mFlow is the right choice when design plays a vital role. The functional elements recede into the background in favour of a minimalist design, instead the continuous frame edge lighting ensures a unique appearance. This makes mFlow the system of choice for use in lounge access at the airport, but the speed gate is also convincing in access control, ticketing and area protection applications.

Step into the world of
Momentum® – and use it to your
and your passengers' advantage!

## Pre-security gate mPass

- The lighting elements on the floor, on the frame modules and on the drive units clearly mark the transition from the terminal to the safety area.
- Intuitive operation and comprehensive monitoring speed up checks at the transition to the security area.
- Standard configuration equipped with entry module for boarding card readers, housings for displays and biometric scanners and cabinet for customer-specific hardware.

## Access control gate mFlow

- mFlow combines a clean, minimalist design and exciting lighting options with the DNA of the extremely fast and modular Momentum® model range.
- mFlow is versatile in use, for example for lounge access, time and attendance recording, ticket verification and demarcation of secured areas.
- In the standard configuration equipped with entry module for reading devices; the control unit and customer-specific components are installed in the entry modules.





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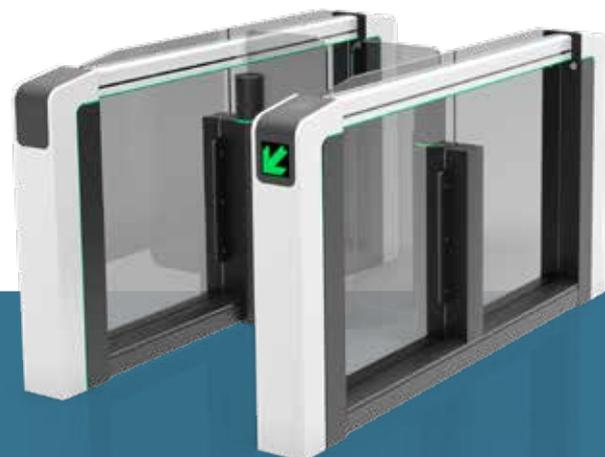
# Secure the borders!

## And speed up the immigration process.

The demands on border control are continuously rising: Airport companies are recording ever-increasing numbers of travellers, security authorities are striving for seamless digital recording of all border crossings, and travellers themselves are placing more and more value on speed and convenience at the airport.

Magnetic has developed mBorder to meet all these requirements. Like all airport systems of the Momentum® series, the ABC gate is extremely modular. With a variety of colours and different entry modules, mBorder is visually customisable. Above all, it can be technically equipped with all common document readers and biometric scanners and offers additional installation space for customised hardware. This and the sophisticated control unit allow mBorder to be seamlessly integrated into higher-level common-use and security infrastructures.

Thanks to a well-designed passage process, mBorder significantly reduces control times at the border crossing. The displays and lighting elements intuitively guide passengers through the control process, and the patented Single Door Exit (SDE) automatically brings facial recognition and iris scanners to eye level. The Magnetic Safety Drive System MSDS® reduces the opening and closing times of the barrier elements to a minimum and at the same time protects travellers by using the least possible energy.

Use mBorder and automate border control – so your security staff can focus their attention on those who require it!

### Pioneering in ABC gates

Magnetic is one of the pioneers in the field of automated border control and has revolutionised the market at an early stage. Magnetic's prominent role is particularly evident in its membership in FastPass. The FastPass project is working on a harmonised, modular reference system for automatic border control at Europe's external borders and has recruited technology partners in a lengthy process. In this circle, Magnetic is one of very few companies involved in hardware for access control. Thanks to the cooperation within the project, Magnetic can provide extensive experience in the integration of reading and scanning devices and in the integration of its speed gates into higher-level architectures.

## ABC gate mBorder (standard configuration)

- Intuitive and fast passage process based on document scanners and facial recognition
- Easily equipped with customised readers and biometric scanners and seamlessly integrated into higher-level data processing and security systems.
- Medium safety level with half-high locking elements, comprehensive monitoring of the passage to prevent unauthorised behaviour.

## ABC gate mBorder SDE

- Particularly intuitive and fast passage process: passengers walk directly towards the height-adjustable facial recognition cameras or iris scanners in the patented Single Door Exit (SDE).
- Versatile biometrics: mBorder can be equipped with facial recognition, fingerprint and iris scanners.
- High safety level: high locking elements and comprehensive monitoring of the passage process prevent unauthorised behaviour.
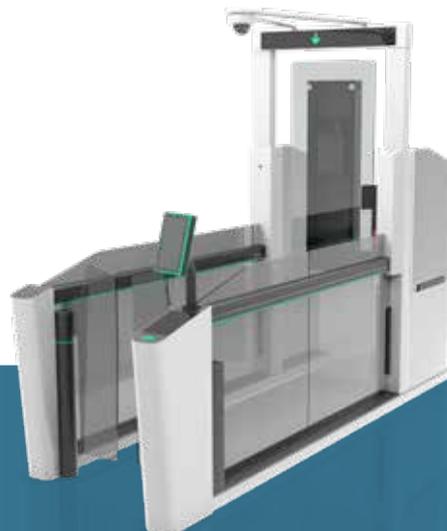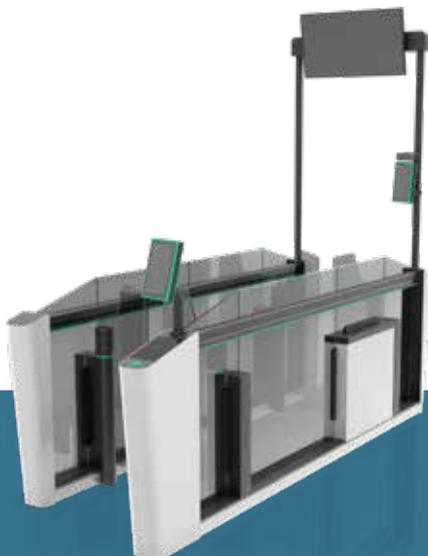
# Passengers want to get to the plane.

## Let 'em go!

The last touchpoint before boarding the plane is particularly often associated with queues: The travellers are already gathered in the gate area and now want to get on board at the same time.

With the self-boarding gate mGo, you can decrease waiting times for your travellers and thus significantly increase comfort. Thanks to the intuitive passage process and the short opening and closing times of the barrier elements, a large number of travellers can be checked in a very short time. This way, you not only speed up boarding, but also give staff time to take care of the passengers who really need attention and assistance.

**Self-boarding gate mGo**

- High passenger throughput speeds up boarding considerably
- Reliable identification of passengers with boarding pass and biometrics
- Additional printer installation space for rebookings

**M**AGNETIC®
ACCESS TO PROGRESS

# Secure your airport!
## But do it discreetly.

The appearance of an airport has a significant impact on the impression that passengers perceive. A well-designed and open airport can evoke a sense of welcome and hospitality, making passengers feel comfortable and confident on their journey.

However, security measures such as closed doors and checkpoints are necessary to ensure the safety of travellers and prevent potential security threats. The challenge for airport designers is to strike a balance between maintaining a secure environment while creating an inviting and open atmosphere.

CoMETA's security doors are specifically designed for these very applications. They offer a high level of protection against unauthorized entry while at the same time their elegant design and transparent glass elements give the impression of an open building – on the way to the aircraft, when setting up emergency exits and at the transition between passengers and staff areas.

### Swinging-sliding Portal Co158.L

- For access control at boarding bridges and other temporarily used areas
- To create an atmosphere of openness in the building with strong anti-burglary protection (P6B according to EN 356)
- For the fast passage of large numbers of people, thanks to 115 cm passage width also suitable for wheelchair users and approved as emergency exit

Make your passengers feel comfortable and welcome – and raise your security standards!

**CoMETA** Reliable Security

## Armored Emergency Exit Co156.E

- For the installation of emergency exits that convey the impression of an open building
- For high security requirements with RC4 class anti-burglary certification according to EN 1627 and FB3 bulletproof structure according to EN 1522
- Equipped with anti-panic push bar for reliable operation in case of emergency

## Cylindrical Security Portal Co136.60

- For demarcation and protection of passenger and staff areas with transparent glass elements
- For high separation security thanks to piggybagging detection and weighing cell system
- For critical infrastructures with burglary protection P6B according to EN 365 and bullet protection BR2 according to EN1063

# Set the direction!

## And enforce it in a friendly way.

Safe and efficient airport processes require passengers to move in only one direction. Where counterflow is possible, disorder, queues and discussions with ground staff can easily arise. Above all, security gaps open up, allowing unauthorised access and the transport of potentially dangerous items.

One-way corridors enforce the desired direction efficiently and in a friendly manner: they show travellers the right way as they pass by, appear transparent and open thanks to their large glass surfaces, and do not require any prohibition signs or security personnel.

At the same time, they enforce the specified direction without exception. If someone attempts to pass through the corridors in the opposite direction, a warning tone sounds, the doors close (in compliance with personal safety regulations), and the passage is blocked.

The one-way corridors are modular in design and can therefore be precisely adapted to the desired security level. The longer the corridor, the higher the level of security, as intruders have to overcome longer distances.

Guide your passengers –
in a friendly, firm and fully
automated manner!

Different barrier elements, such as half-height or full-height door panels, further increase the level of protection. Angled variants respond to the structural conditions and prevent dangerous objects from being thrown through.
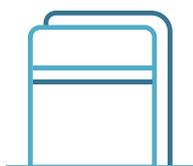
**One-way corridor**

- For reliable passenger guidance and rigorous area demarcation
- For user-friendly passage, even with luggage
- For high personal safety thanks to low-energy drive and high-precision safety sensors

**MAGNETIC®**
ACCESS TO PROGRESS
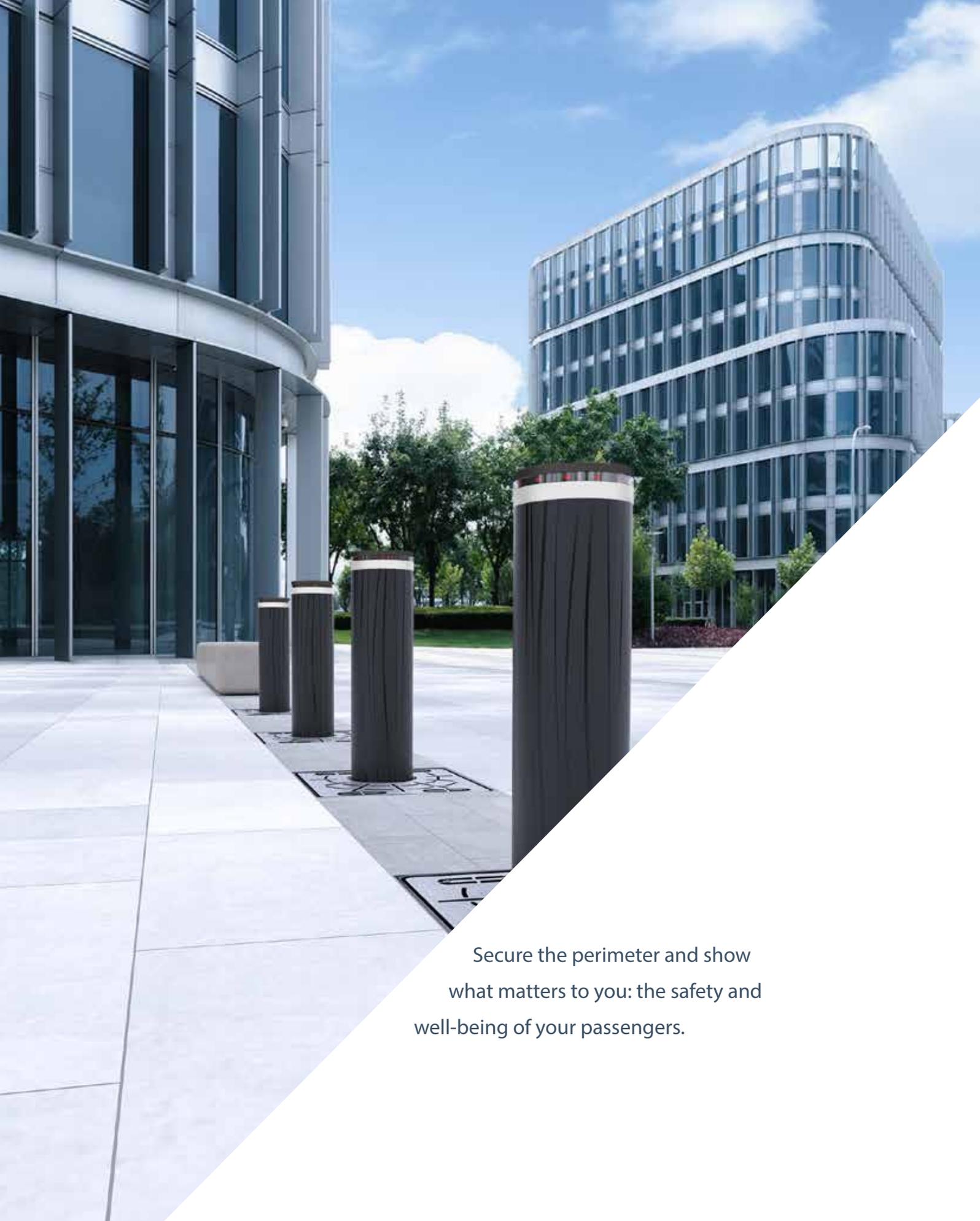
Secure the perimeter and show
what matters to you: the safety and
well-being of your passengers.

**Perimeter protection**

# Make your travellers feel secure!

## Even in the perimeter.

Security at the airport always has two sides. On the one hand, it is a matter of systematically checking the identity and access authorisations of employees and service providers to prevent attacks on passengers and aircraft. On the other hand, it is essential to give travellers a feeling of security and to show that there is someone here who is looking out for them – even before they enter the airport premises.

At FAAC TECHNOLOGIES, we have the solutions to create this good feeling of security all over your airport perimeter – high-security bollards from FAAC and turnstiles by Magnetic.

**FAAC**

**MAGNETIC®**
ACCESS TO PROGRESS

FAAC's bollards protect people and control vehicle access: in pedestrian zones, in front of event centres, in front of public facilities and authorities – and of course at your airport. The high-security bollards not only control traffic, they physically prevent vehicles from forcibly entering protected areas. It is better not to try.

Turnstiles by Magnetic ensure fast and reliable separation, but above all they ensure that every employee, every service provider and every guest is checked for identity and access authorisation. There is no way around these turnstiles.

# Say stop!
# And mean it.

Bollards help enormously to strengthen the passengers' sense of security and to increase the actual security level at the airport. The solid barriers promise travellers a high level of protection, and they deliver on that promise. Thanks to high-strength steel, strong construction and reinforced foundations, FAAC's bollards are capable of bringing fully loaded 7.5 tonne trucks to a standstill from 80 km – and being still functional afterwards. At the same time, they do not interfere with travellers' freedom of movement and blend subtly into the architectural design of your airport.

FAAC's bollards are available in permanently mounted and manually removable versions, which can be used to securely close specific areas. Access points for delivery traffic and emergency services can be implemented with the automatic models, which are extended in 6 seconds and in 1.5 seconds with the EFO variant.

Raise the security level!
Raise the bollards!

FAAC

**Automatic high-security bollard**
**JS80 HA EFO**

- For vehicle access control to protected passanger zones
- Can stop a fully loaded 7.5-tonne truck travelling at 80 km/h
- Extends completely in just 1.5 seconds in an emergency (EFO: Emergency Fast Operation)

**Fixed and removable high-security bollards**
**JS80 R and JS80 F**

- For the demarcation of protected passenger zones
- Can stop a fully loaded 7.5-tonne truck travelling at 80 km/h
- Available as fixed (JS80 F) and manually removable (JS80 R) version
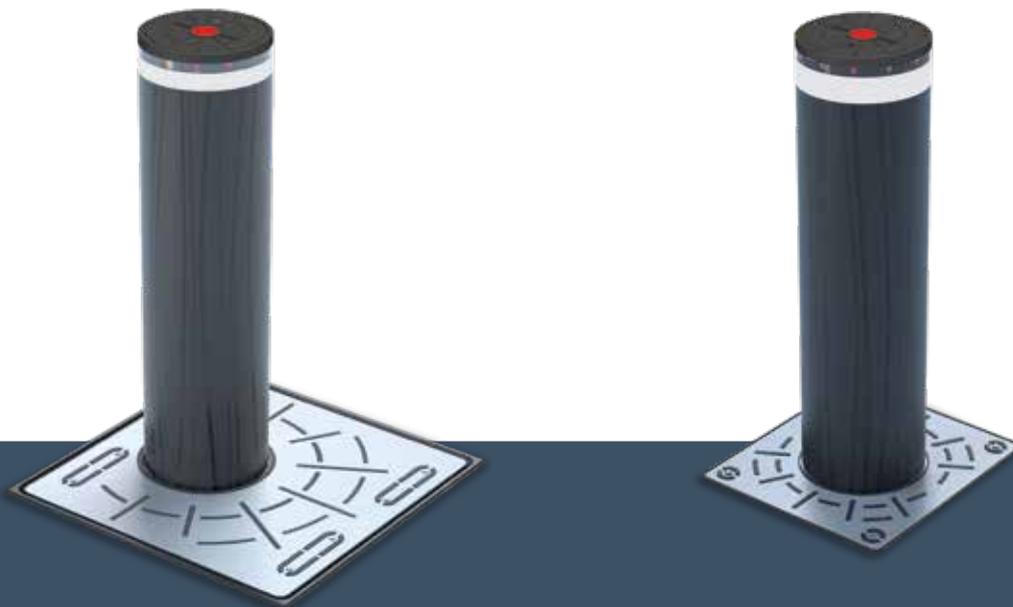
# Turn on!

## And let the staff in.

The outdoor areas are a major element of the security-critical airport operations infrastructure and must be consistently protected against unauthorised access. This is not only a matter of systematically checking access authorisations, but also of physically preventing intrusion attempts.

Turnstiles by Magnetic are the robust and reliable solution for efficient access control outdoors when a large number of employees, suppliers and external service providers need to enter or leave the grounds within a short time. The turnstiles are easily integrated in the existing architecture or fencing system and – thanks to their size and

robust design – offer a high level of security. The turnstiles can be ideally adapted to your requirements due to the variety of models and attachments: 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.

Close the gaps – and speed up access
for authorised personnel!

## Double turnstile MPT

- Space-saving double turnstile for two independent passageways
- Mechanical, electromechanical or motorized designs available
- Compliant with the current DIN EN 17352 standard, including Performance Level C, through the use of the Magnetic Safe Drive Solution (MSDS®)

## Barrier-free swing gate MPG

- Controlled access for delivery services, cyclists and wheelchair users
- Low electricity consumption thanks to maintenance-free MHTM™ drive
- Compliant with the current DIN EN 17352 standard, including Performance Level C, through the use of the Magnetic Safe Drive Solution (MSDS®)

FAAC Technologies: close to you.

**55** legal entities present in 30 countries, distributed across 5 continents

**+ 3,800** people

**16** assembling centers all over the world

**Consulting and service**

# We are here for you.

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

Airports place high demands on access automation and access control. Only if all systems are properly planned and fulfil their function faultlessly can travellers become happy passengers and enjoy a relaxed and comfortable stay at the airport. Therefore our expert advisors, fitters 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.

Smooth, disruption-free operation is what we develop our products for. The speed gates from the Momentum® series, for example, are designed for 10,000,000 operating cycles and have a drive and control unit that has proven itself 200,000 times over in products all over the world. However, should a failure occur, central components such as the drive and control unit can be exchanged and replaced with a new module in a few simple steps. In this way, we effectively avoid maintenance work during ongoing passenger operation.

**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 customers!

At Passenger Terminal Expo 2022 in Paris, we introduced Momentum® – Magnetic's highly modular speed gate series that makes airport passenger processes easier, more convenient and faster.

Already at the trade fair, there was great interest in Momentum® from airport operators, security authorities, and system integrators. We were able to use the time afterwards to plan and implement projects based on our new model series together with the first customers.

Momentum® celebrated its premiere in practice at the airport of the Lithuanian capital Vilnius. With their lighting elements, the four passages with mPass ensure easy orientation in the terminal building and considerably speed up the checking of travellers on their way to the security checkpoints. The debut has definitely convinced the operating company Lithuanian Airports – further Momentum® installations are already being planned.

Pre-security gates of the mPass type are now also being used in La Palma on the island of Gran Canaria, making the departure of travellers from their holidays a little more pleasant.



**Airport La Palma (SPC)**

**Customer:** Aena SME S.A., Madrid, Spain
**Installed products:** 3 lanes with pre-security gate mPass, 2 in standard and 1 in wide lane design
**Accessories:** Customer-specific boarding card readers



**Airport Vilnius (VNO)**

**Customer:** Lithuanian Airports, Vilnius, Lithuania
**Installed products:** 4 lanes with pre-security gate mPass, 3 in standard and 1 in wide lane design
**Accessories:** Customer-specific boarding card readers, gantry

## Contact us.
## And take off.

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We are four companies specialized in airport processes, 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 airport sector.
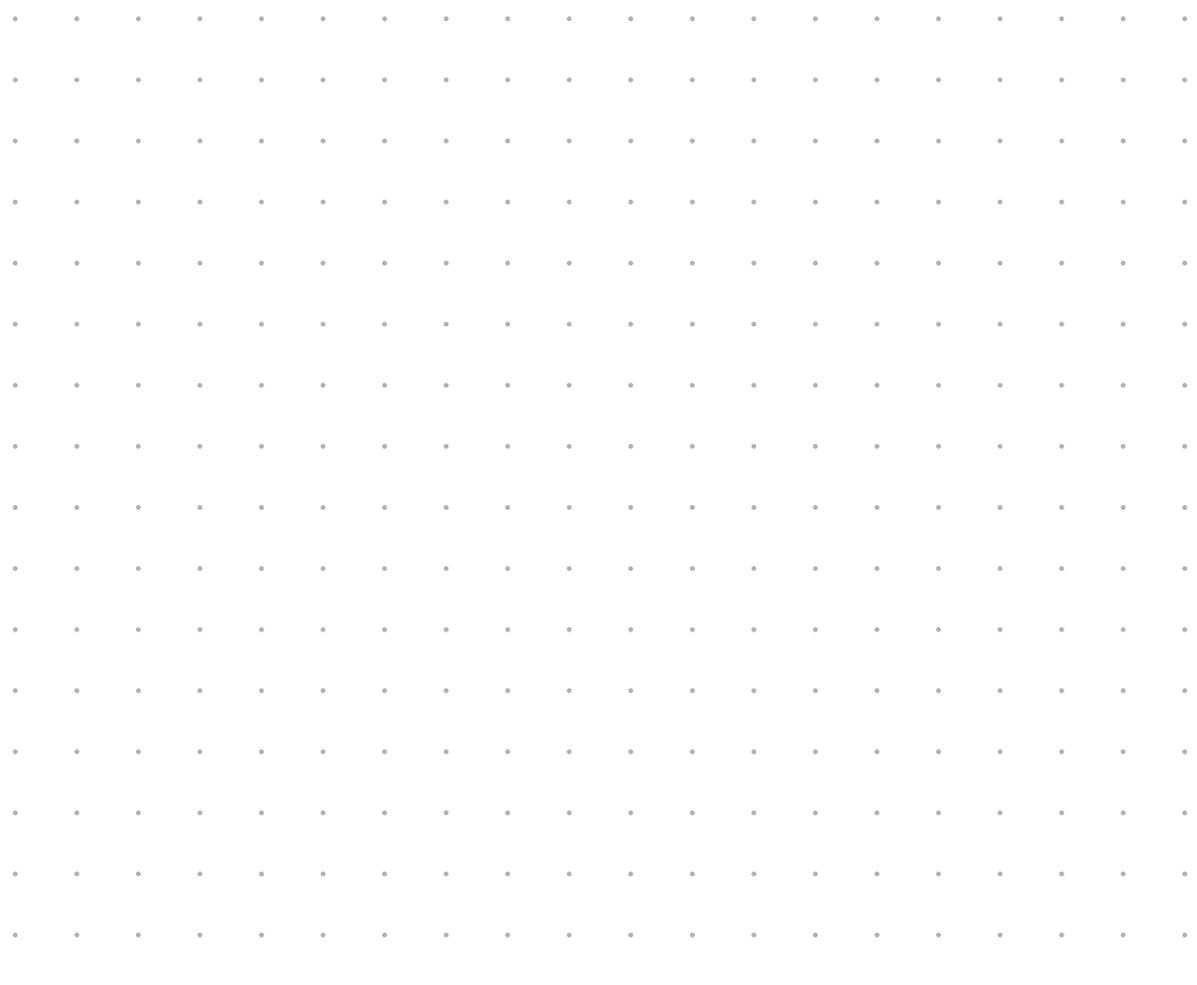
**Notes for your passenger journey project**

BRANDS OF
FAAC TECHNOLOGIES