Increased security, convenience and efficiency

Everything revolves around security
The demands placed on sensitive places like airports are continually increasing. At the same time, passengers, visitors and airport staff now expect maximum comfort and user-friendliness, while airport operators such as airlines rely on maximum efficiency for key passenger processes. A lot of expectations. And appropriate responses. With unparalleled integrated solutions from dormakaba, one of the leading experts in access control.

Automated solutions
Our fully coordinated product range provides automated solutions for every stage of the passenger process. For a secure, convenient and efficient passenger flow. Thanks to their fully-developed, modular concepts, dormakaba products can be integrated into all kinds of control systems while maintaining the same functionality. An important step on the way to standardising airport infrastructure.

And dormakaba goes further:
We increase security even further with our ability to integrate various biometric technologies. Everything we do is fit for the future, with positive impacts on all areas of the airport. Welcome on board.
Everything is integrated.
Increased security, greater convenience, attractive, user-friendly design, faster processes.

Boarding pass control
eGates in the terminal provide seamless and efficient support to airport staff who control access to the security area.

Border crossing
Secure, efficient passport control ensures clarity and helps border officials to manage border control quickly.

Access to the business lounge
Controlled access to the business lounge takes the burden off lounge staff, leaving them with more time to devote to individual guests.

Self-boarding
eGates for self-boarding help airport and ground staff keep the boarding process fluid and consistent.

Transition from airside to landside
Corridors or passages that can only be used in one direction reliably prevent unauthorised airside access while enabling inbound passengers to leave the security area unhindered.

We focus on five touchpoints
Boarding pass control, border crossing, access control to the business lounge, self-boarding and the sensitive transition from airside to landside. dormakaba divides each stage into smaller automated and efficient steps that work together seamlessly and elegantly, supported by the likes of sophisticated sensor technologies, precise Near Field Communication (NFC) and reliable document readers. Or the low-energy drive of automatic swing doors which is especially safe for passengers. Future-proof biometric technologies can be integrated into every dormakaba solution for even greater security and convenience.
dormakaba uniquely streamlines all passenger processes into one.

The results are impressive. The benefits are extensive for airport operators, flight operators and passengers alike. Successfully navigate the new challenges in global aviation with dormakaba. With a strong passion for flying. And unique integration.
Boarding pass control

Not just anyone.

Passengers’ security is always the top priority – both on the way to the security area and at border crossing. Only those who are authorised to go through may do so. To help with this process, dormakaba offers automated solutions that impress.

dormakaba sensor barriers are a key feature of boarding pass control for convenient, reliable and seamless access control.

The space-saving barrier allows just one passenger through at a time and the swing doors open for those with access authorisation. The high-precision sensor protects the user and ensures individual use. It can also detect luggage and suitcases on wheels. As an added bonus, the solution can be integrated into almost any data system without major intervention.

Benefits

• Fast flow of people through access control without waiting
• Access exclusively for authorised persons
• Airport staff gain more time for other tasks
• Separate control (First-Class/Business-Class, passengers/frequent travellers and airline staff)
• Detailed feedback to a higher-level system in the event of tailgating or attempts to break through or pass from the opposite direction
Border crossing

dormakaba automatic immigration gates relieve border police and help detect invalid or forged documents.

Border officials gain more time for spot checks and isolated incidents. Biometrics can be integrated for additional security and convenience: Swift and mainly contactless checks are run to determine whether the person is question is the rightful passport holder. Only those with authorisation may pass – one glance into a camera is all it takes. The added benefit for passengers of swift, contactless control is that they keep their hands free. And staff know who is allowed to enter.

Benefits

• Supports border control
• Reduces waiting times
• Biometric verification prevents misuse of travel documents
• Prevents bottlenecks in the flow of passengers by directly forwarding any manual checks required
• Compatible with all biometric methods
Access to the business lounge

Individual values.

Maximum security, impressive convenience: access to the exclusive business lounge is clearly regulated. dormakaba eGates provide reliable, fast and convenient controls. Its self-boarding gates only grant access to passengers who have booked, getting them onto the right flight.

Automated contactless controls for individual access authorisation are a central feature, supported by the likes of Near Field Communication (NFC) to guarantee smooth operations.

First-Class and Business-Class passengers and frequent fliers expect first class service – and premium assistance in the business lounge: undisturbed and exclusive. dormakaba eGates provide more convenient and reliable controls for access authorisation. Biometric technology can be integrated easily, linking passengers to their boarding passes.

Benefits

• Fast flow of people through access control without waiting
• Access exclusively for authorised persons
• Airport staff gain more time for other tasks
• Contactless control means passengers keep their hands free
• Detailed feedback to a higher-level system in the event of tailgating or attempts to break through or pass from the opposite direction
• Elegant, appealing design
Welcome on board: with its seamless checks, dormakaba automated self-boarding system ensures additional security directly at the departure gate, offering passengers a high level of comfort.

Swift boarding is important, without jeopardising security and passenger service. dormakaba self-boarding gates support ground staff by providing high speed and precision. Passengers benefit from increased convenience. This is because staff also have more time to deal with their problems – big or small. It is now an even greater certainty that only passengers booked onto each flight will be able to get on: optional biometric technologies can be integrated to link individual features with the ticket and/or passport.

Benefits

• Fast flow of passengers thanks to shorter waiting times
• Passengers enter the correct aircraft
• Ground staff gain more time for other tasks
• First/Business Class passengers are checked separately
• Compatible with all biometric methods
Transition from airside to landside

A clear advantage.

The transition from airside to landside places the strictest demands on access security. With its transparent, one-way barriers, dormakaba ensures the system is clear. This makes it impossible to pass through without authorisation.

Providing a warm welcome while keeping secure zones apart: Separating public areas from security areas is one of the most problematic aspects of airport security and is governed by clear laws.

Unauthorised persons are not allowed through to airside under any circumstances. At the same time, inbound passengers expect to be welcomed warmly. dormakaba offers modular “one-way” barriers that are monitored by sensors and combined with quick-response door systems. After landing, passengers can make their way quickly and easily to the exit, while unauthorised persons are reliably prevented from entering the security zone.

Benefits

• High reliability
• Highly sensitive sensor technology detects objects left behind
• Simple integration into existing systems
• Various security levels
• Can be flexibly integrated into challenging architectural designs
• Over 500 units installed worldwide
Effective, precise, secure: Orthos PIL-M02 personal interlock

Orthos PIL-M02 personal interlocks reliably meet the highest security requirements. The modular system’s sophisticated sensor system prevents movement in unauthorised directions and keeps dangerous objects out.
Passages for staff

Consistently secure.

From public areas to the security area and back. The entrances and exits for airport staff are often located in different areas around the building. With sensor barriers, revolving security doors and passenger barriers, dormakaba offers comprehensive, reliable solutions for the strictest security requirements.

Entrances and exits for airport staff: a sensitive dividing line between security and public areas that often goes unmonitored.

This makes smooth, automated security controls all the more essential – for example with dormakaba Orthos personal interlocks. Using scales, card readers and optional biometric technology, Orthos interlock offer security at the highest level.

Benefits

- High security due to contact mats
- Additional security using scales for weight limits or actual weight
- Resistance classes RC2/WK2, WK3 and, for cubic interlocks, up to WK4
- Elegant glass units
- Smooth, silent running
- Low space requirements
Three times better.

Customs exit, visitor terrace and protected areas: three airport areas that each have specific requirements in access control. And one impressive solution provider: dormakaba.

**Customs exit**

One exit, three requirements: the smooth flow of passengers in one direction. No-one can go back. No unauthorised access from outside.

dormakaba is leading the way in security. Fully automated swing doors make things for passengers with luggage trolleys and suitcases highly convenient. And reliably close off the path in the opposite direction.

**Benefits**
- High reliability
- Barrier-free access possible
- Very convenient thanks to automated doors
- High security by closing off the opposite direction
- Elegant, transparent design

**Visitor terrace**

Visitor terraces are loved by individuals, families and groups the world over. Special measures are often needed here to manage the stream of visitors.

Reducing crowds and adding a payment feature: two important functions at the entrance – and more are possible. For example, dormakaba offers space-saving turnstile systems that reliably allow individual access.

**Benefits**
- High reliability
- Optimal flow of people
- Transparent, appealing design
- Space-saving double unit
Protected areas

A literally enormous task which requires intelligent use of physical protection measures and automated controls.

dormakaba proven range of solutions includes turnstiles combined with innovative card readers. Biometric technology can also be integrated for enhanced security.

Benefits

• Flexibility thanks to modular design
• Maximum user safety prevents people getting trapped
• Robust, durable design