# Airport terminal solutions

Improving passenger processes
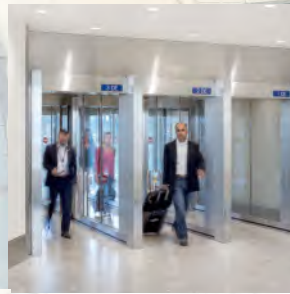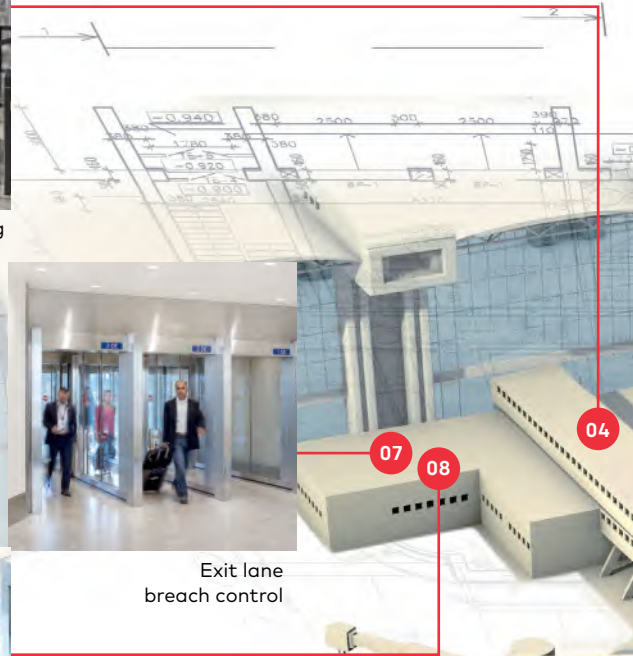
# Airport improvement program

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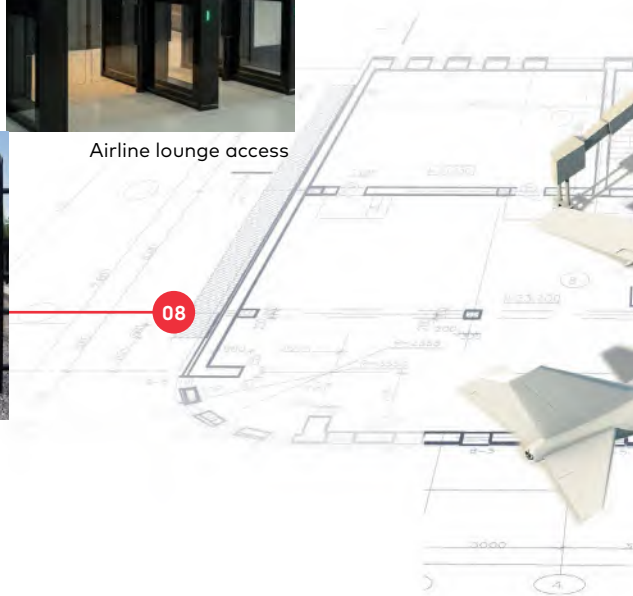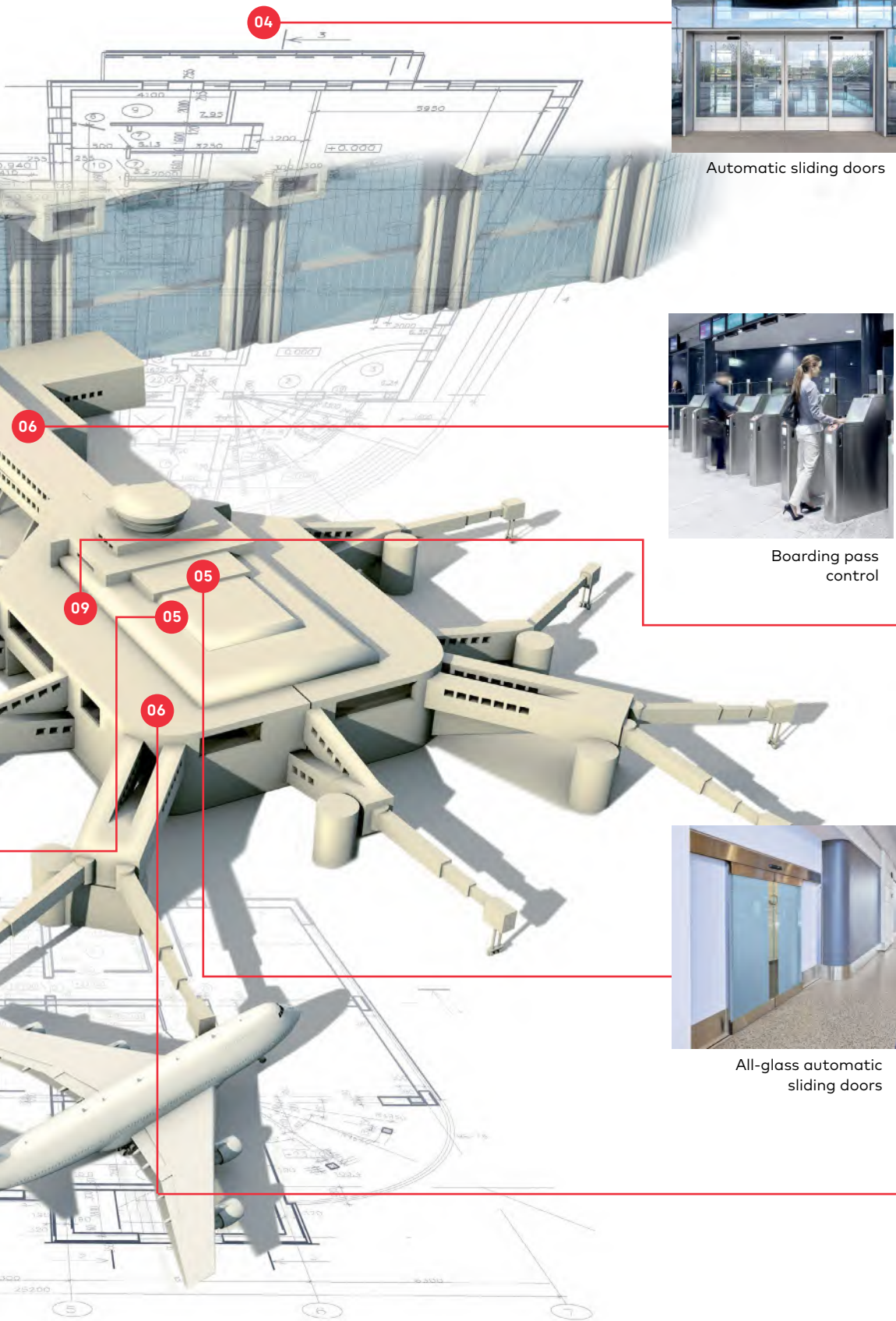
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# solutions

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# Concourse and terminal technologies Smart design simplifies the travel experience





At the heart of dormakaba's approach to future-proofing passenger processes is our passion for developing solutions. We combine technology with functionality to form a holistic concept with a high level of safety, control and efficiency—making access in life smart and secure.

Today, technology is the common thread in optimizing passenger experiences for airports and airlines. With an emphasis on innovation and sustainability, dormakaba passenger terminal technologies have grown to match both the expansion and innovative practices of the airlines, airports and airport-based businesses. Our passenger-centric solutions comprise technologies that merge security with convenience to make airport processes more efficient and more comfortable for the passenger.



Airline lounge access



All-glass automatic sliding doors



Self-boarding eGates



Exit lane breach control



Personal interlocks



Glass wall systems

# Creating efficient and lasting passenger processes

Today's traveler demands convenience at every stage of their journey—from the moment they enter the terminal to the time they exit the concourse.





Passenger traffic continues to escalate, putting pressure on airport improvement programs (AIP) to elevate the passenger experience. Today's traveler demands convenience at every stage of their journey—from the moment they enter the terminal to the time they exit the concourse. Progressive airports are responding by focusing on all touch points along the passenger journey, transforming the airport experience with efficient processes. Airports around the world rely heavily on upgrading technology with dormakaba solutions. By remaining focused on our future-proofing approach to developing systems that endure, we are positioned to serve the market with a broad spectrum of smart and secure products, solutions, and services. Our installations at Fort Lauderdale-Hollywood International Airport, Newark and Edmonton International Airport—as well as many other domestic and international airports—serve as powerful examples of our resolve to develop state-of-the art solutions that perform as designed with lasting dependability.

# Making an entrance





How your airport streamlines the passenger process begins the moment the passenger enters the terminal. A welcoming, properly functioning entrance system is the first step in enhancing the passenger experience.

Our ESA Series offers the perfect solution to accommodating passenger flow efficiently and safely. The continuous self-monitoring control system, adjustable motion sensors, and emergency breakout

panels create safe passage for busy travelers. Extruded aluminum stiles and rails are constructed to withstand high wind pressure, while the floor guides do not require routine maintenance. dormakaba also provides services to ensure your entrance system is installed and properly maintained throughout the serviceable life of the product.

# Security queuing

Airports continually look for ways to make the airport experience less stressful for flyer's. Security queuing offers a solution that combines security with leading-edge technology to provide a better experience in the Security Screening Checkpoint. Passengers no longer physically wait in line, but rather through an app on their phone, receive a QR code and a specific time to enter the Security Checkpoint, creating a virtual queue. Virtual queuing reduces security check-point wait times for passengers and gives airports the ability to plan ahead for busy time windows.

Airports receive an additional bonus as passengers will have more time to visit restaurants and shops, boosting airport concession revenues. the airport can even monetize the service.



Incorporating eGates into this solution allows for an unmanned or minimal staff option for each virtual queuing lane(s). Passengers simply scan their QR code at the eGate to pass into the lane for screening.

# Airline lounge access Transform the airline lounge for a new class of passenger comfort

## Argus lounge

### First-class access

Airline lounges are a place to relax and recharge in today's busy airports. Entrance should be quick and easy, providing a seamless customer experience. dormakaba Argus Lounge eGates offer a simple self-entry experience for airlines looking to streamline lounge access. Argus Lounge allows for a staff-free environment or the ability to utilize staff elsewhere in the lounge. Argus lounge is able to integrate with most biometric systems for secure identification. Enhanced customer experience, secure self-entry and a design to meet your customers' expectations.



### All-glass automatic sliding doors

All-glass entrances offer many advantages when designing a luxury amenity to facilitate a welcoming experience. Like all ESA Series doors, the ESA500 (above) can be finished to compliment any aesthetic. Paint, powder coat, and anodized finishes, along with a variety of architectural metals, can be applied by our craftsmen to create a radiant entrance.

# Self-boarding eGate
## Empower the passenger

### eGate Technology

- Reduces wait time for all passengers — including first class and airline employees.

- Ensures passengers are boarding the correct flight and boarding group.

- Audible validation signal.

- LCD display informs passengers of gate changes, seat assignment and how to proceed with a printed acknowledgment.

- Alarm notifies security of attempted unauthorized access.

- Emergency pushbutton operation holds doors open to safely egress in the event of an emergency.



Incorporating technologies to optimize airport operations and empower the passenger is one of the most important aspects of modern Airport Improvement Programs. Our self-boarding eGates and boarding pass control are high functioning, passenger-focused systems engineered to streamline the boarding process-—securely and safely. eGates expedite supervised boarding of the aircraft and validate both paper and smart device boarding passes. The improved sensor system offers high separation accuracy. Swapping, i.e. the exchange of persons, as well as double entries can be virtually excluded. In addition to increasing operational efficiencies and passenger service, the eGate technology seamlessly interfaces with airline and airport systems to accurately collect data and ensure immediate user acceptance for improved throughput rates.

**Argus Air provides a practical solution to help improve passenger processing while allowing airline staff to extend courtesy services to those requiring special attention.**
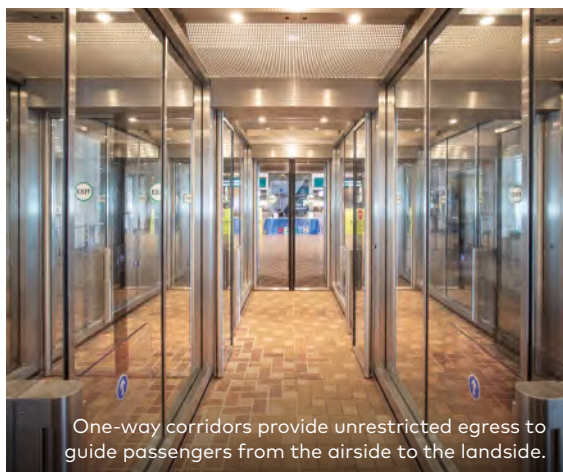
# Exit lane breach control

Improve passenger flow, reduce congestion, and maintain the highest level of control

Staffing exit lanes with guards has proven to be unreliable and cost prohibitive. Real control is possible with technology that eliminates human error, detects and prevents potential exit lane security breaches—reliably and accurately.
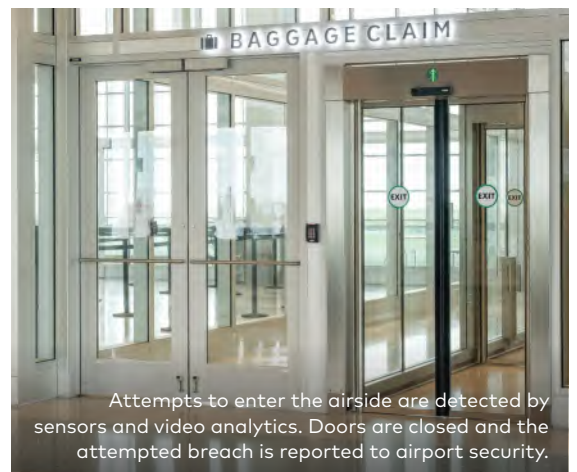


ELBC technology employs real-time video analytics, 3-D imaging, system monitors and motion sensors that integrate with airport security and fire detection systems. dormakaba's exit lane breach controls sophisticated "smart technology" detects and identifies suspect persons and objects left unattended, and thrown objects, while greatly reducing the potential for false alarms. The modular stainless steel construction allows for multi-lane configuration to provide the highest throughput achievable—all while saving time and money and without compromising airport security or passenger safety.



One-way corridors provide unrestricted egress to guide passengers from the airside to the landside.



Attempts to enter the airside are detected by sensors and video analytics. Doors are closed and the attempted breach is reported to airport security.

# Airport personnel
## access control





### Perimeter full height turnstiles

Airport perimeter security is an enormous task that requires intelligent use of physical protection measures and automated controls. dormakaba full height turnstiles offer a smart solution for securing the entire perimeter of the air operations area. The modular system allows multiple design configurations, and our extensive offering of electronic access control systems permits the use of RFID access control and advanced biometric technology, conveniently integrated with our full height turnstiles for enhanced security.

- The full height turnstiles will integrate with any access control system.
- The end-point locking system, developed by dormakaba, prevents people from being trapped in the gates.
- The canopies fit with any of the single, multiple, or space-saving double units.

Regulatory requirements state that airport operators must show control of all the access points in their air operations area (AOA). For most airports this means securing countless remote access points and managing access for an incalculable number of credential-carrying employees.
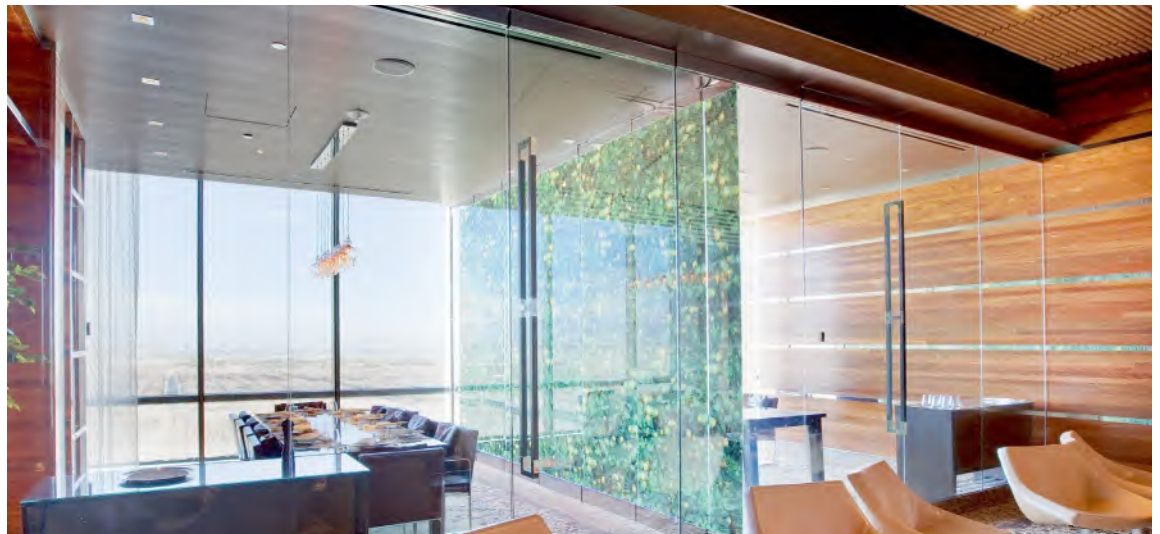
### Terminal personal interlocks

Entrances and exits for airport staff require the highest degree of separation between the secure airside and the public landside. High security is not just a matter of checking whether or not an employee has authorization to enter sensitive or restricted areas in the AOA. Access control systems must verify their identity and control movement. dormakaba's electronically monitored personal interlocks meet the highest security demands providing optimal protection for all areas of the airport. Interlocks can be equipped with contact mats, body weight sensors, facial recognition and biometrics.




Personal interlocks comprise a variety of designs, including tubular and rectangular corridors for individual passage—or interlocks with a set of doors arranged in a row, allowing passage in one direction.

# Horizontal sliding glass walls
## let travelers shop on the fly as they navigate the concourse

**HSW Systems customizing options include:** glass type and thickness, standard or custom metal finishes.





Shopping on the fly requires complete transparency. What you see is what you get! Horizontal Sliding Glass Wall (HSW) systems multiply your options for designing inviting space by transcending the limitations of fixed solid walls. Glass wall systems allow ambient light through to highlight goods and services while generating retail and concession revenue. We all like to stop at the duty free shop, but today's traveler is looking for more amenities while navigating the concourse. Every project has unique requirements. We offer a range of system configurations for any application; framed or frameless, sliding or folding, point fittings or rails— to let the sun shine in.

# Design consultation,
## installation and lifetime system service

Our design consultants are here to assist you at every phase of your airport improvement program. We provide comprehensive project support services—from specification and new installation to dependable maintenance throughout the service life of our systems.

Our consulting services include:

- Developing code-compliant access solution specification and schedules
- Developing detailed specifications for all other product groups
- Meeting with the design professional and/or owner to discuss project requirements and security coordination

**Our nationwide network of service professionals is certified by the American Association of Automatic Door Manufacturers (AAADM).**

Next, you can trust our service professionals to provide exceptional product support, delivery, installation and service of our entrance systems, passenger processing solutions, and networked access controls. With an emphasis on service excellence, dormakaba is committed to providing responsive and dependable sales, technical, project management, and maintenance support.

For comprehensive project support, call dormakaba at **844-SPECNOW (844.773.2669)** email **Specifications.AMER@dormakaba.com**

Entrance
Systems

## Our Sustainability Commitment

We are committed to fostering sustainable development along our entire value chain in line with our economic, environmental and social responsibilities toward current and future generations.

Sustainability at product level is an important, future-oriented approach in the field of construction. In order to give quantified disclosures of a product's environmental impacts through its entire life cycle, dormakaba provides Environmental Product Declarations (EPDs), in which the results of the life cycle assessment (LCA) are presented.

The full EPD is available for download at
https://www.dormakabagroup.com/en/sustainability/product-declarations.

FSC

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