



Evolve airport
solutions



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Airport security and access control

In recent years airport security requirements have been heightened with the main focus being on individual access security checks.

Airport operators and designers are trying to provide terminals with safe and secure passenger throughput, whilst at the same time they are trying to make terminals open and welcoming to passengers, visitors and staffs.

Satisfying these wide varying needs is a challenge – Evolves is renowned for providing unique solutions in order to meet such exacting requirements. Our wide-ranging product portfolio includes both physical security barriers and access control solutions.

With over 30 years' of experience in the development and manufacture of physical access control systems you can rely on our in-depth knowledge and innovative technology in order to provide the best technical solution available.

With our wide geographical coverage of branch offices and international distribution partners, we are able to offer unparalleled technical support and services through-out Europe, Asia and America.





Automated Boarding Pass Control

Automated systems for assisting airport staff in checking boarding pass of passengers transiting from the public to airside area of the airport more efficiently is crucial.

Recommended Solution

Evolve's system consists of a sensor barrier with automatic swing panels. The unit features an integrated boarding pass reader and a display for passenger information. The sensor system provides single-file for passengers carrying different luggage items and objects. The system prevents misuse of boarding passes (it detects, for instance, double use), 2D-barcode can be scanned from airport generated boarding passes, home-print passes or mobile phone.

- Scanned boarding pass provides airlines with the whereabouts of the passenger: The information can be used to decide whether luggage should be taken off the aircraft (for delayed passengers).
- First/business class, VIPs and airline staff can be managed separately, reducing waiting period.
- Passenger flow is improved.
- Operators benefit from detailed reporting on passage, tailgating, attempt of moving in the wrong direction and collision.



Stylish design, combined with glass and stainless steel.

Single, double, or multiple combinations of cells.



Compatible with any boarding pass
card reader

Ascetically pleasing, stylish card reader
and passenger information display



Self-service Boarding

Automated systems at boarding gates assist airport staff in checking boarding passes in the shortest time possible.

Recommended Solution

Evolve's system consists of a sensor barrier with automatic wing panels. The unit features an integrated boarding pass reader, a display for passenger information and a printer for seat imprint. 2D-barcode can be scanned from airport generated boarding passes, home-print passes or mobile phone.

- Helps speed up boarding process, reducing waiting time at the gates.
- Ensures that passengers board the right aircraft.
- Support ground staff - they can be re-assigned for other duties.
- First/Business Class, VIPs and airline staff can be managed separately, reducing waiting time.
- The passenger is informed of last minute seating changes with print out.
- Detailed reporting to higher-ranking system in case of tailgating, attempt of trespassing or moving in the wrong direction.
- Reporting on successful boarding process.



Self-Boarding Automated Border Control

Automated system at immigration check-points help to assist staff in checking passports and speed passenger flow. They also help detect invalid or forged documents more efficiently.

Recommended solution

Evolve's solution consists of a sensor barrier with an interlock function. The system is complemented by a document reader outside and a biometric device inside the unit.

- Reduces the work-load of immigration staff.
- Helps speed up border controls, cutting waiting time at immigration check-points.
- Biometric verification prevents fraudulent use of passports or identity cards.
- In case verification fails, the passenger is led directly to the manual passport control without inhibiting passenger flow.
- Fast and easy user-friendly experience.

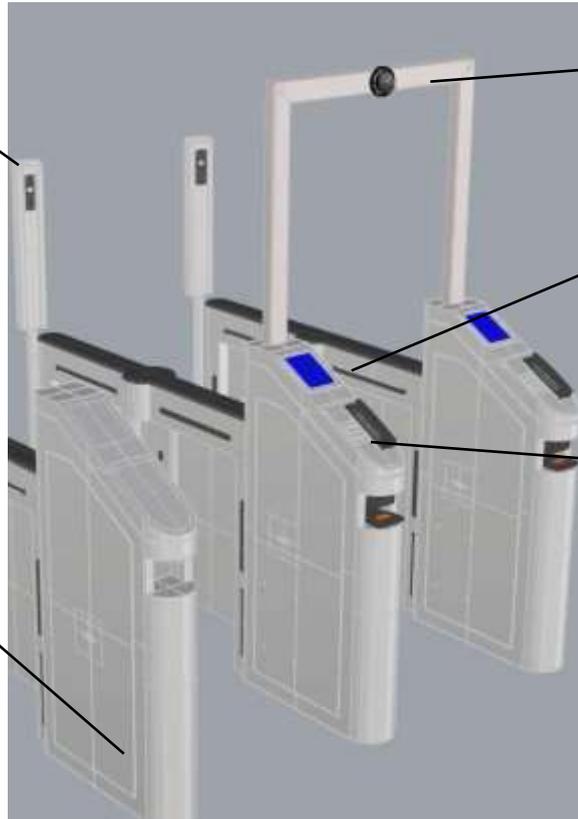
Compatible with any biometric device (Fingerprint, veins, iris, face)

Failure to identify will trigger an alarm

Passenger protection of the anti-trailing sensor, detection of luggage and stay objects

Compatible with any file reader

The side door will guide the passenger to the artificial passport inspection office (Such as biometric authentication failure)



VIP lounges

Many airports have offices in the rest area and first class and business class passengers, and we have a variety of different access control systems to manage these areas. Evolves quick access door can be used for "non-contact" import and export management control, passengers even carry backpacks and luggage can also be fast and comfortable passage, the door can be automatically opened to allow authorized persons or passengers through, do not need to contact with the door.



Evolves half-height turnstiles are also a good alternative for the entrance to VIP lounges. The integrated power assisted drive allows for easy access

- Simple and generous design.
- And the use of fast-track, for the disabled to provide a comfortable passage.



Passage from air to land side



One of the most crucial aspects of airport security is maintaining the division between the public area (land side) and the security area (air side). On arrival at their destination, passengers should be able to leave the plane and quickly cross over from air to the land side.

Security regulations stipulate that the flow of passengers should be organized in such manner that no unauthorized individuals should be allowed to gain access to the air side.

Recommended solution

The Evolves way corridor was designed to guide the flow of arriving passengers at the air terminal. It allows for fast and safe passage transit from air to land side.

This modular system consists of a lane scanned by sensors and equipped with arrange of rapid-access doors such as full-height and half-height double swing doors. When passengers cross from air to land side, the doors open automatically one after the other and close once passengers have passed through. Its sophisticated system of sensors provides an effective barrier to prevent any one crossing unnoticed from the land to the air side.

- Cutting-edge design customized configuration smooth barrier-free passage.
- Maximum safety for the user - sensors prevent people from being injured by the door leaf.
- Modular system: combination of different doors is possible.
- 3 different detection systems, depending on the security level required.

Channels for airport staff

Entrances and exits for authorized staff are located along the division between the public and security areas. These doors are not generally subjected to constant staff surveillance and therefore require security units for access control.

Recommended solutions

Evolves half-height sensor barriers. This equipment is used mainly in areas which are within the sight of reception staff such as an airport's office area. The unit is a sensor controlled passage way with automatic half height doors.

- Easy passage, even with bags or luggage, no contact with door wings.
- High through put rate and maximum safety for user.
- Variety of colors, shapes and finishes.
- High level of user acceptance.



Looking Ahead

No company can grow or move forward without having a clear vision of where it wishes to be in the future.

Much of our success can be attributed to staying at the forefront of new technology, providing innovative solutions to complex security needs and paying exceptional attention to details, thus ensuring the company's growth year after year.

We are aware of tomorrow's demands; we have the expertise to be in the forefront of product development and to deliver total customer satisfaction.

Our aims remain simple:

- To make our integrators, partners.
- To fully understand our integrators needs.
- To be at the forefront of product development.
- To deliver the best solution the market has to offer; to deliver the best support and after sales service the market has to offer;
- To monitor how our partners see us and improve beyond expectations.