TAŃSA

SINCE 1962

Airport Solutions

BUILDING BETTER PASSENGER EXPERIENCE

Airport checkpoints are a constant balance of security and speed.
Passengers have to make their flights,but safety must be ensured...

The Airports

An airport is one of the busiest and most complex system in modern society. It is an assemblage of people, processes, technology, government agencies, private companies, retail space, artefacts and information.

The Future

Global passenger traffic is expected to double by 2037.

Accommodating this fascinating growth is a major challenge for the air transport industry.

In order to maintain this growth, airport operators finds themselves in the middle of balancing the increased security requirements and service quality offering to their clients.

As the airport industry continues to evolve with increasing national and international regulations, it faces a unique set of challenges that are set to test the ingenuity and resilience of the sector. From the tough economic climate to the increasing overheads required to meet the ever changing security standards and the pressure to significantly reduce carbon footprints, airports have to use advanced technology to help them meet their goals.


C7
AOT
C9
AOT
FREE CHARGE

Airport Security

Airport checkpoints needs to continuously balance security and speed. Passengers have to make their flights, but safety must be ensured.

The security issues facing the aviation industry are both specific and demanding. Airports are a hub for the movement of large number of passengers and for the handling of high volumes of baggage and cargo.

Threats can come within many processes that supports the airport including the passengers, aircrafts, personnel, catering, maintenance, cleaning, ticketing, baggage handling, air traffic control, retail, food, services, parking, car rental and others.

In today's climate of volatile threat levels it is vital to ensure that only authorized personnel or authorized passengers have access to restricted areas. Electronic security entrance control can help achieve this. TANSA turnstiles and gates have specific features designed to meet the needs of an aviation environment; at staff entrances, passenger & passport control, boarding and immigraton control, private lounges, exclusive waiting areas and are flexible enough to grow and adapt as the facility needs changes.

Passenger Experience

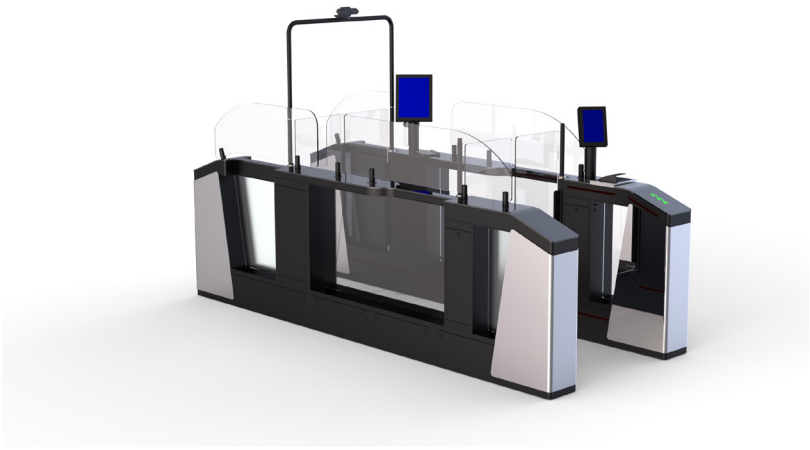
Passenger experience is at the core of the airport business and is an essential element of passenger facilitation. Airports know that clients satisfaction is closely linked to a better business performance.

A satisfied passenger is vital if an airport wishes its revenues to increase, traffic to grow, and reputation to remain intact. This is achieved by providing customers with a high-quality passenger experience.

Positive and negative experiences impacts the entire journey.

Exceptional experiences leads to satisfaction which leads to loyalty and established the airport to be more attractive for airlines, clients and passengers at the same time.

Integrated border clearance and self-boarding gates will ultimately help increase the operating efficiency, processing speeds and passenger experience in airports.

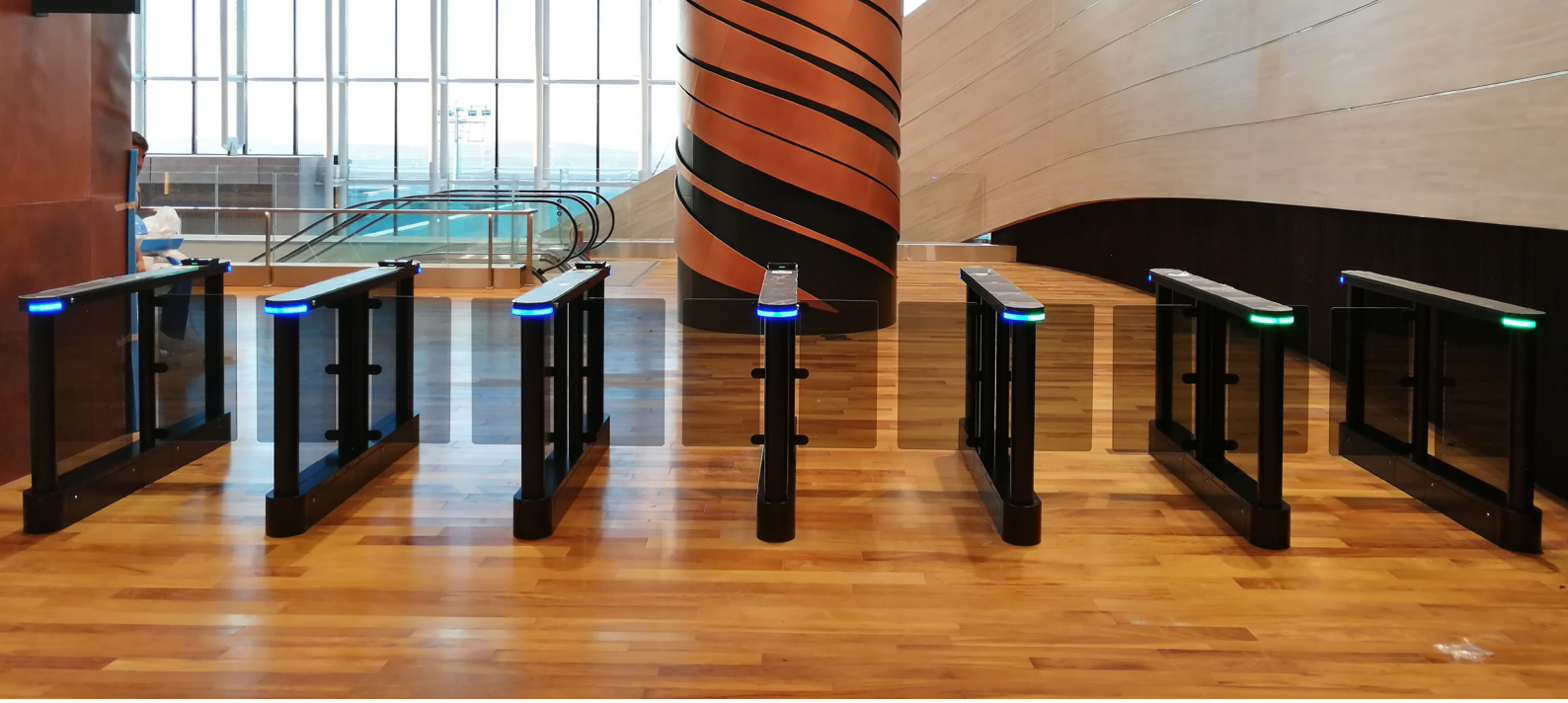


Automated Border Control / e-Gate

Automated Border Control Gate plays a pivotal role in achieving the operational goals of the border control process of the airport. The e-Gate shall perform all mandatory functions for the passport verification with regards to the required authenticity, validity and security of the police. It is attractive in design and provides a serious, solid entry point.

Self Boarding Gate

Automatic Gates units located before security area and/or at the boarding points to support airport and airline staff in boarding processing with the quickest time possible. The system consists of a sensor barrier with automatic swinging panels. The unit can be (optionally) equipped with an integrated full page boarding card and ID documents reader as well as NFC and RFID mediums and biometric devices, a display for passenger and seat information.



Private Lounges & Exclusive Waiting Areas

Airport Lounges allows passangers to relax in comfort. While they're waiting for a long layover, nothing seems more attractive than an airport lounge. Amenities like free Wi-Fi, drinks, snacks, and magazines, airport lounges feel like the answer to most of passengers' travel annoyances. At the very least, they can give them sanctuary from the concourse noise and travellers caos.

In order to provide all these opportunities efficiently, lounge entrances must be regulated with entry gates for authorised passengers.

Land Side to Airside Passenger Flow Control

Only passengers with a valid boarding pass should have access to airside areas. For an efficient and faster way to check boarding passes, TANSA offers speed gates which can be integrated with wide range of access control & validation equipment.

Staff Entrance

Airport personnel can enter and exit at different time periods during the day, depending on their area of duty. At certain times of the day, this intensity can become even more busy.

There may also be high-security areas where only certain personnel are allowed to enter.

TANSA offers several types of turnstiles for standard staff entrance areas and also high security interlock booths to provide a safe, secure and reliable access control for vulnerable and specially protected areas.

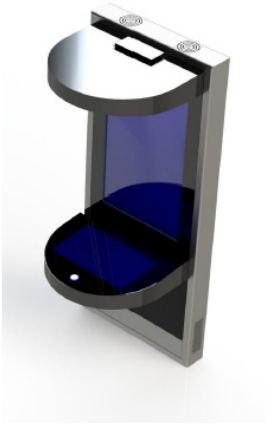
Parking Areas & Perimeter Security

Full-height turnstiles offer efficient and reliable control on entering and exiting. They are intended to secure sensitive areas against unauthorised access while offering unhindered access to the authorised persons.

Also to secure and regulate car parks by restricting access with full height turnstiles is one of the most deployed methods while reducing security guard requirements.

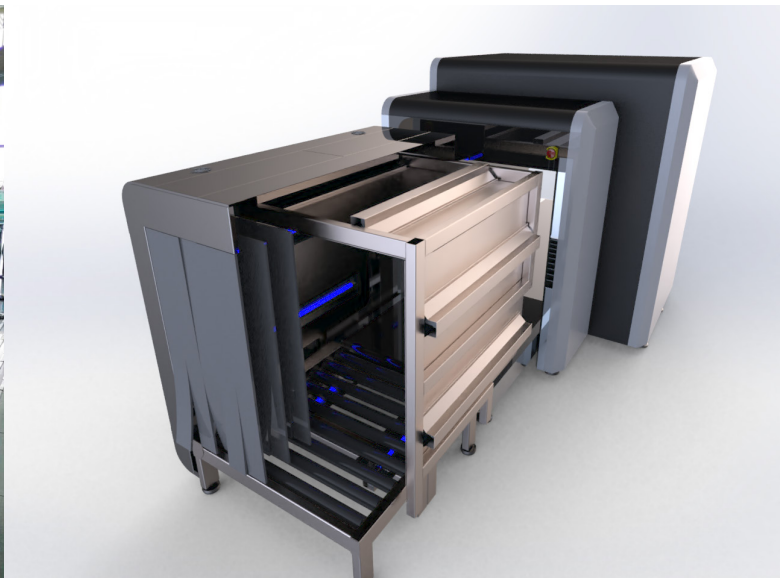
Passenger Information Kiosk

Passenger Information Kiosks shall play a pivotal role in navigating and guiding the passengers throughout the airport. It provides animated wayfinding to any location including boarding gates by scanning the passenger's boarding pass. Information screens also provides city guide to the travellers.



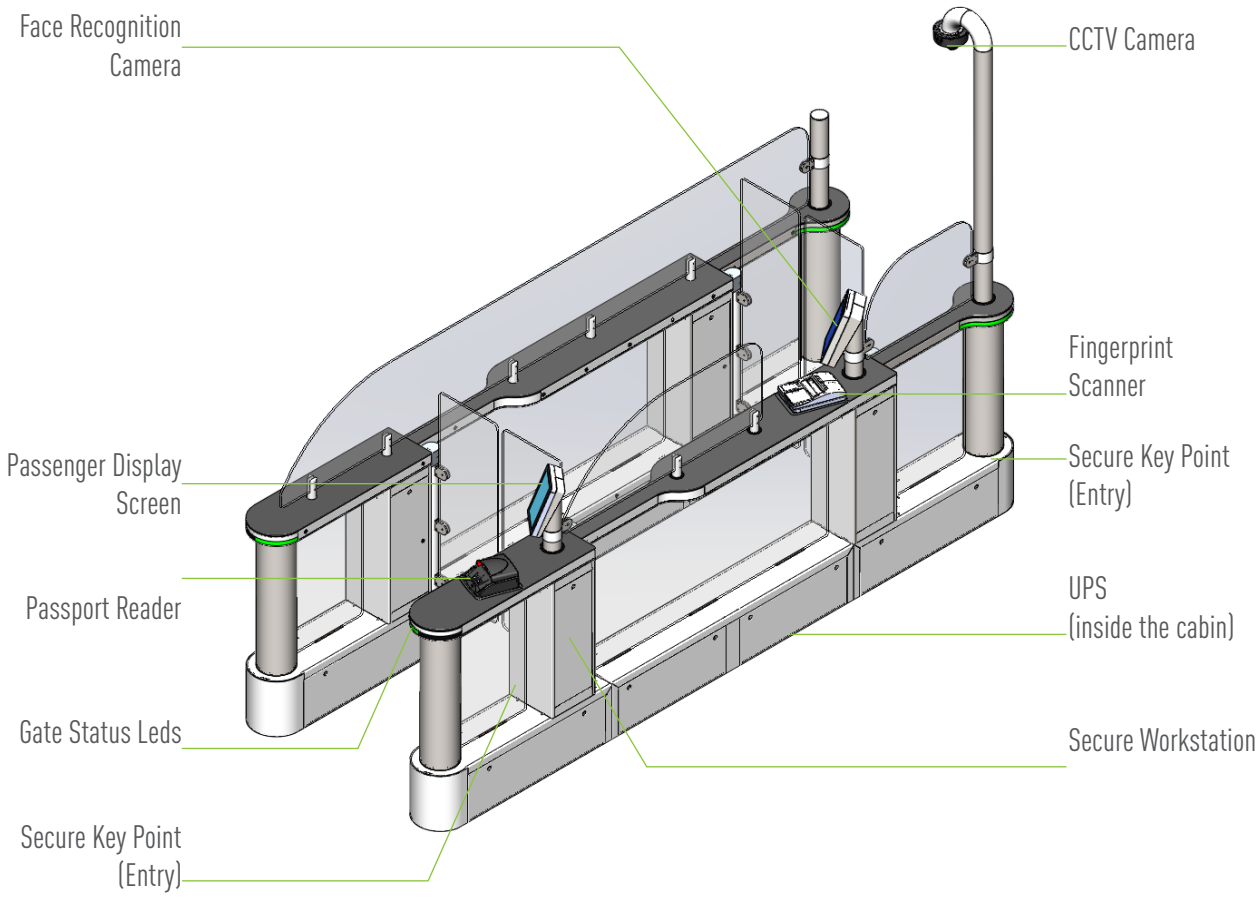
UVC Baggage Disinfection

LTS 2020 UVC 100 provides fast and safe sterilisation of luggages without using any chemical or liquid disenfectant in a shielded cabinet.



Automated Border Control System

with device & software integration

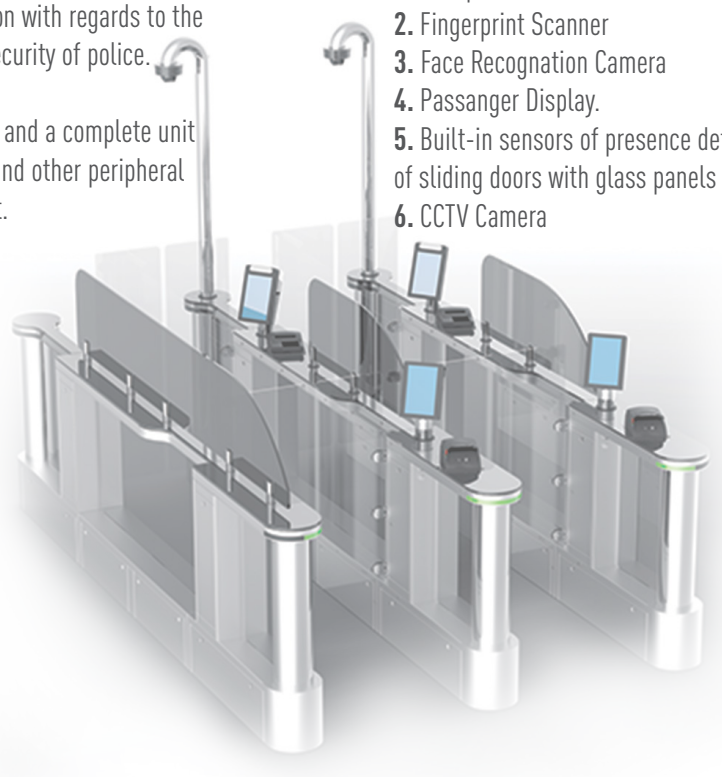


e-Gates shall play a pivotal role in facilitating and achieving the business and operational goals of the border control process of the airport. e-Gates shall perform all mandatory functions for the passport verification with regards to the required authenticity, validity and security of police.

The e-Gate unit is uniform in design and a complete unit with the biometric capture devices and other peripheral components integrated with the unit.

System Peripherals, including:

1. Passport Reader.
2. Fingerprint Scanner
3. Face Recognation Camera
4. Passanger Display.
5. Built-in sensors of presence detection, two sets of sliding doors with glass panels at each entrance.
6. CCTV Camera



Integration

Passport reader, biometric sensor and camera are connected directly to the border security workstation via USB connection. Passenger displays are connected to the border security workstation via HDMI. All built in sensors, sliding doors, indication lights and other items of the e-Gate are connected to the border security Workstation through e-Gate's main control panel.

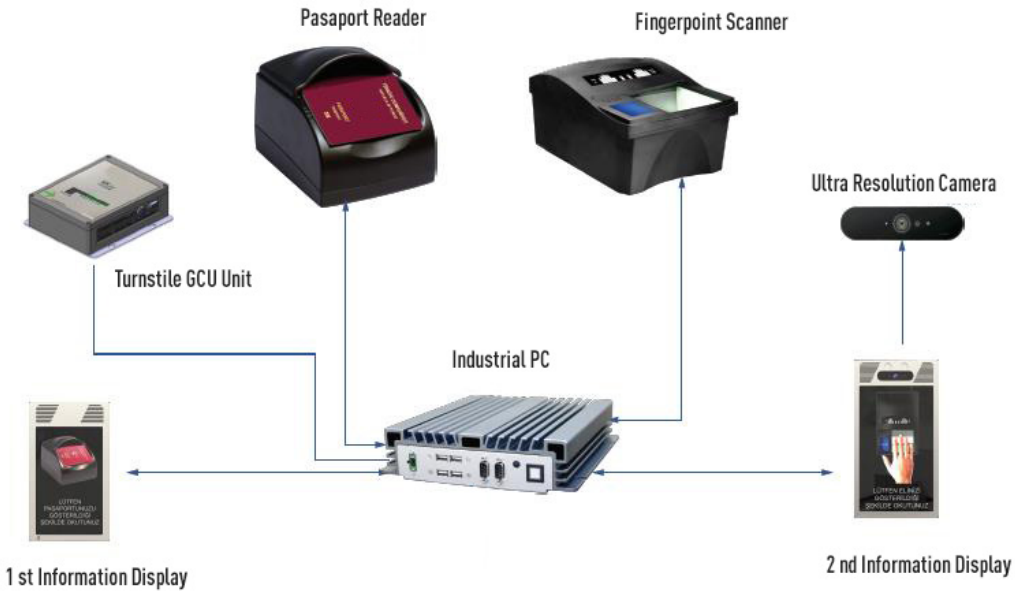
Border security software captures the passport data through passport reader, capture of the citizens' biometric fingerprint and face image and send these data to the border security database for verifications. During this workflow, it also controls the passenger displays and supply feedback to the user.

Border control software controls all the components and drives e-Gate software through its connection via ABCS control panel. e-Gate software supplies information regarding its sensors, doors, lights and also other internal components status (active or passive, health status, positions, open or close etc...) to the Workstation.

Workstation also controls (open or close 1st or 2nd doors, activate or deactivate e-Gate software, Alert lights and buzzers etc..) through its integration with e-Gate software.

Software

- System architecture has been developed in a modular structure.
- The e-Gate software has recording software module, reporting and monitoring module and integration module. Management, reporting and monitoring modules will be run by the current web browsers.
- The software is developed on Microsoft technologies and runs through a MSSQL-based relational database.
- The software is capable with multiple user support with a user-friendly interface..
- The master database will be on the MSSQL server. e-Gate terminals sends input-output data to the central server online.



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