

# Thales Automated Border Control Gates New generation

Providing efficient and robust  
automated border crossing  
with smaller footprint

# Thales Automated Border Control Gates

## New generation

### Identity & Biometric Solutions

To meet the growing needs for faster, more fluid and highly secure automated border crossings, Thales has developed a new generation of ABC Gates. The new generation of eGates allow travelers, who hold a biometric credential such as an e-Passport or has been enrolled on a border Kiosk, to be verified rapidly and efficiently and facilitate entry and exit management.

Thales ABC Gates are the 4th generation of Thales eGates and benefit from Thales own state-of-the-art technologies such as travel document / passport verification and biometrics, coupled with automated border control solutions know-how worldwide.

More robust than ever and perfectly suitable for processing thousands of travelers during busiest days Thales ABC Gates benefit from our significant experience in delivering large projects in Europe, with France, Spain and in Latin America



### An optimized border crossing process

Excelling in speed of operation, a crucial advantage during peak hours, Thales ABC Gates stand out as one of the fastest solutions available. Its clear user guidance, top-tier technology, and streamlined border crossing process shorten the entire process to as little as 12 seconds.



### Eco-design

As part of our commitment to responsible innovation, we incorporate eco-friendly design into every phase, from initial concept to re-engineering. This holistic approach covers the product's entire life cycle, addressing resource conservation, manufacturing and usage emissions, waste reduction, and sustainable conscious end-of-life disposal.

Our Thales ABC Gates exemplify this commitment. The conscious choice to adopt a slim design, and to switch from steel to high-quality aluminium including recycled content, significantly reduced the product's weight by 50%.



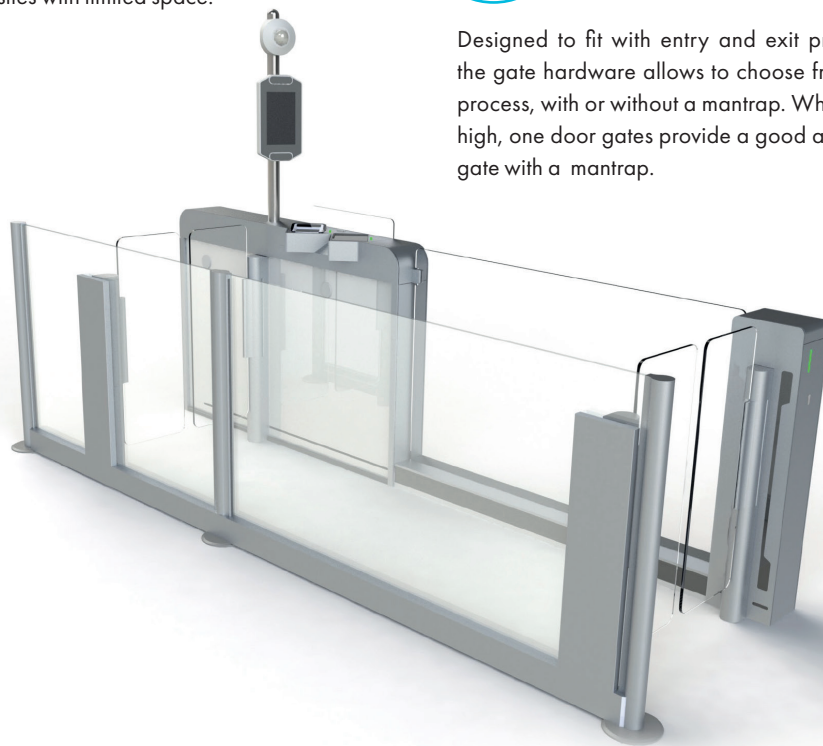
### Streamlined & Open design

Thales ABC Gates offer an open, low-height design with transparent glass walls and exit doors to eliminate feelings of confinement and claustrophobia, ensuring excellent visibility for immigration officers. Their compact footprint provides exceptional flexibility in airport layouts, making them ideal for sites with limited space.



### An end-to-end ABC solution with greater flexibility

Designed to fit with entry and exit processes, the modularity of the gate hardware allows to choose from an segregated control process, with or without a mantrap. When space constraints are too high, one door gates provide a good alternative to the 2 door ABC gate with a mantrap.



Regardless of the hardware configuration, the ABC gate system includes gate border central administration, gate monitoring and integration to the border system.

The operational monitoring system harnesses web technology to provide adaptability across multiple devices, including PCs and tablets. It offers diverse view options, allowing simultaneous monitoring of up to 10 gates and the availability of detailed information when required.

## Gate central management featuring

- Configuration
- Document Template Database update
- Performance data collection, reporting
- Logs data collection
- All using Web and Open Source technologies

## Thales ABC Gates integrates Thales technologies

- Travel document readers
- Document verification software
- Face capture system:
- Face recognition software with Thales Cogent Face Recognition Platform (FRP) and liveness detection
- Fingerprint scanner CS550f (Optional)
- Thales Iris Face At Distance (Optional)

## Optimum reliability and maintainability

The main components are engineered for longevity, ensuring a lifespan of over 10 years. Thales ABC Gates are easily maintainable with fast replacement of components.



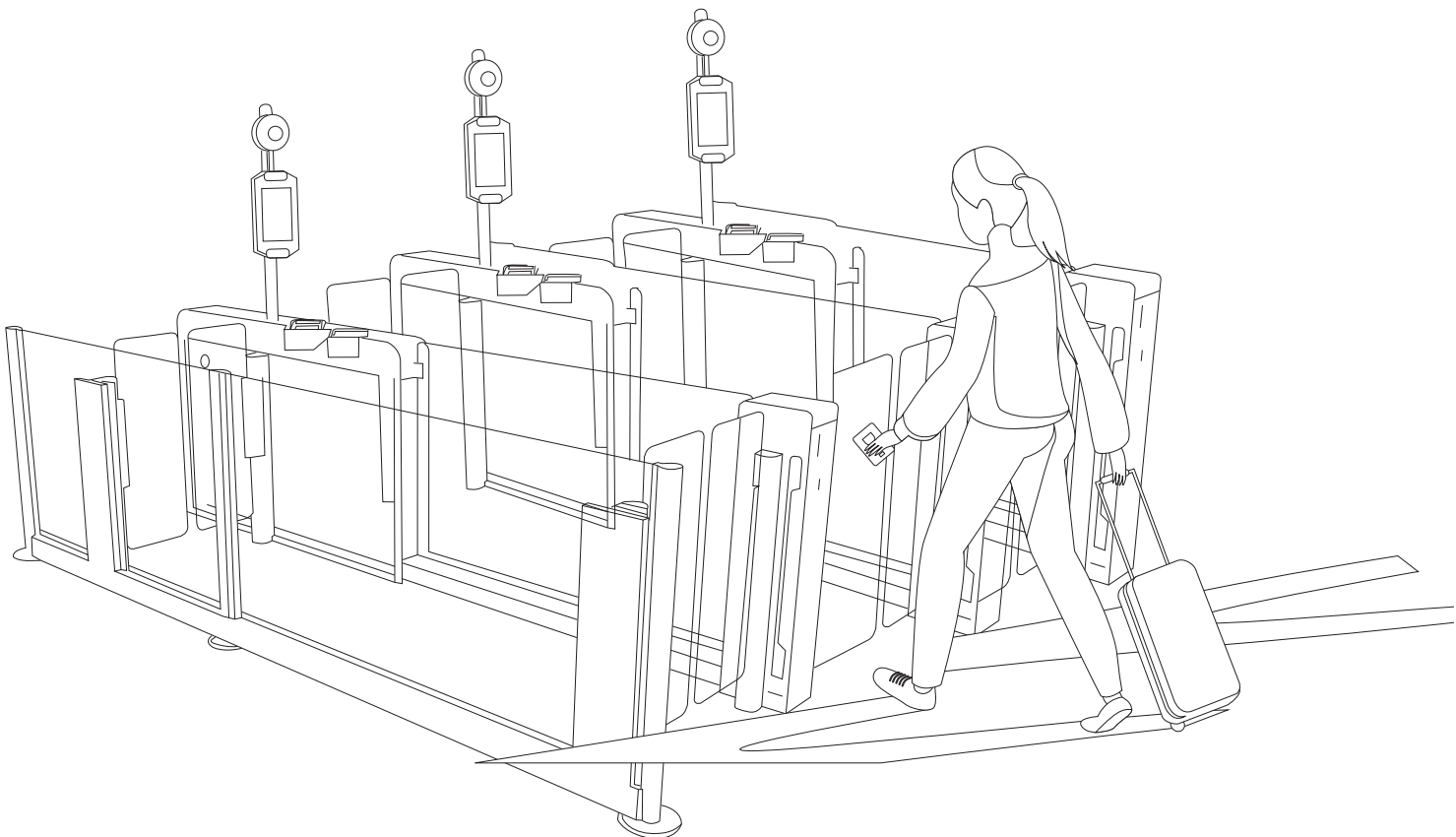
Incorporating Thales' biometric innovations within our ABC Gates:

### Our facial recognition system blends the best components:

- Thales Cogent FRP, a world-class facial recognition algorithm.
- Dual fixed cameras for instant capture of the traveler's live face image.
- A mirror information screen and integrated illumination to mitigate variable light conditions.
- Achieving an average face recognition processing time of less than 2 seconds.

### Fraud detection stands as a critical pillar in any automated border control system. Thales ABC Gate leads the charge with:

- Native integration of potent liveness detection, capable of identifying even advanced presentation attacks, including those involving 3D masks.
- The Single Person Detection solution, a fusion of multiple technologies, such as infrared sensors and AI-driven video analysis, ensures that only one person passes through the eGate at a time, a vital measure for security and accuracy.



## Technical characteristics & options

<b>Origin</b>	Designed and manufactured in Europe
<b>Power supply</b>	<ul style="list-style-type: none"><li>• 110/230Vac 50/60Hz</li><li>• Low energy servo positioning drives accordance with DIN 18650/ EN 16005 (low energy total &lt;1.6 Joule)</li></ul>
<b>Dimensions</b>	Length < 3 meters, 65 cm width for passenger
<b>Indication systems</b>	Discreet indicator lights to provide information to travelers and officers
<b>Availability</b>	Over 99%
<b>MCBF</b>	Mean number of cycles between failures: 10 million cycles
<b>Safety</b>	<ul style="list-style-type: none"><li>• DIN EN ISO 12100:2011-03 Safety of machinery</li><li>• DIN EN ISO 13849- 1:2016-06 Safety of machinery</li><li>• DIN EN ISO 13849- 2:2013-02 Safety of machinery</li><li>• Tempered safety glasses (6mm)</li><li>• Sensor strips for singling and user protection</li></ul>
<b>Options</b>	<ul style="list-style-type: none"><li>• Colours: aluminium, white, anthracite, black</li><li>• Podium</li><li>• PMR</li><li>• Fingerprint Scanner</li><li>• Thales Iris Face at Distance</li><li>• UPS</li><li>• Contact Card Reader</li></ul>