Electronic Machine Readable Travel Documents (eMRTD), as defined in the ICAO Document 9303 regulations and specifically ePassports, allow a high degree of border automation. This is the reason why more than 100 countries began issuing ePassports in 2010. As international passenger traffic continues to grow, however, the efforts required to check said passports also increase.

Customer requirements

eMRTDs, such as for example ePassports and eID cards, are not only identification documents. They are also tools facilitating the deployment of automated border control systems. These solutions, also known as eGates, meet both the high security and high efficiency provisions necessary for border control. The eGate from Atos fulfills all legal requirements and border control process recommendations defined by the EU legislation and Frontex as well as local authority regulations.

Customer benefits

Enhanced security with maximum passenger satisfaction and increased passenger throughput are the main benefits of the Atos eGate. They ensure that visions such as "fast-track immigration" can become a reality. Our throughput rates are based on the recommendations of Frontex to minimize waiting times. The state of the art and appealing design of the eGate permits seamless integration both at airports and border crossing points.
Biometric verification
"Best in class"

**Additional benefits include:**
- Relevant international standards supported (e.g. ICAO, ISO/IEC)
- Monitoring of multiple parallel eGates
- "Best in class" biometric verification of passenger identity
- Easy integration with back-end border control systems
- Configurable workflow
- FAR/FRR performance metrics comply with Frontex guidelines
- Security checks in accordance with Frontex guidelines (BAC, EAC etc.)
- Significantly reduced waiting times as a result of cutting-edge camera technology with outstanding recognition capabilities
- Enhanced protection against illegal border crossing
- Clear, intuitive, language-independent user guidance

**The solution**
Atos IT Solutions and Services and its partners, all major hardware manufacturers of proven integrated security solutions, have pooled their expertise in the areas of access control, security and biometrics. The result is an automated control system based on multi-modal biometrics: The eGate.

The traveler enters the eGate after verification of his/her eMRTD. Facial images and fingerprints are captured and compared with the eMRTD data. Following a positive match, the legitimate eMRTD holder can pass the border control with a verified, authentic document.

The eGate is based on the Homeland Security Suite from Atos IT Solutions and Services, a long-term tried and tested product for ePass systems in Europe. Facial recognition is achieved by means of an innovative camera system, capable of focusing on a face by aligning an integrated mirror without having to shift the camera.

A single border officer can simultaneously monitor several eGates reliably and without great effort. Security functions prevent multiple people from passing through an eGate. Furthermore, the system can detect left items.

**Our services**
Atos offers the complete border control system, including all elements of the value-added chain: Consulting, design, construction, maintenance and operation.

Atos not only delivers its services as a technology provider. Working as prime contractor, the company can manage the entire solution deployment, ranging from the individual selection of subcontractors for specific tasks, right up to financial services including outsourcing options.

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