

# UAE's multi-biometric entry/exit program enabling seamless border crossing while ensuring maximum security

With one of the fastest growing economies in the Middle East and a population that is extremely mobile, effective and efficient border control is a matter of both national security and economic growth in the United Arab Emirates. The country turned to IDEMIA to launch an eBorders management program that sets the standard for the future of border security.

# TRAVEL

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A modern state with a high standard of living, the United Arab Emirates (UAE) is regarded as one of the world's most important trade and business hubs. As a result, the country experiences a constant stream of people crossing its borders daily. With the government targeting economic diversification and promoting the UAE as a center for global trade and tourism, effective and efficient border management is more vital than ever.

## Ministry of Interior

### A global pioneer of innovative technology



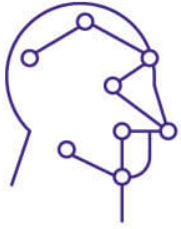
Charged with maintaining the country's border security, the Ministry of Interior (MOI) has always been one step ahead by having deployed iris biometric solutions for nearly two decades. In 2011, the MOI and IDEMIA, through the joint venture EIMASS, launched the world's first multi-**biometric eBorders** project at Abu Dhabi Airport to increase border security while improving the passenger experience and throughput.

The UAE's **eBorders** project marked the very first deployment of a comprehensive border management solution with a multi-biometric entry/exit system by a sovereign nation. The success of this landmark project led to its extension to the country's four other international airports in 2014.

### A quick and convenient passenger journey

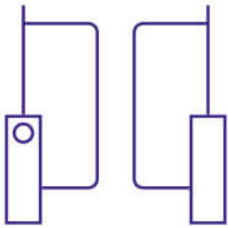
As a global pioneer in innovative technology, Ministry of Interior wanted to include face, iris, and fingerprint **biometrics** in the UAE's **eBorders** project to ensure maximum security at the border while offering a seamless experience to travelers. With its proven technologies and long-standing history as global leader in biometrics technology, IDEMIA was the only company capable of implementing a contactless **multi-biometric entry/exit solution**.

### Four key components defined IDEMIA's solution for UAE:



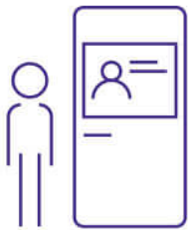
#### E-REGISTRATION STATIONS

for increased throughput and convenience: located in dedicated offices across the country, the eRegistration stations allow **multi-biometric** capture, identity verification, and background checks for citizens and residents who wish to register to use **Automated Border Control** (ABC) eGates but have never used the eCounter at the airport. The pre-registration at an eRegistration station is only required once and greatly increases passenger throughput and convenience at the airport.



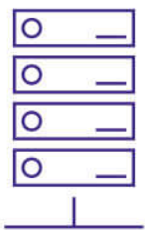
#### AUTOMATED BORDER CONTROL (ABC) E-GATES

allow passengers to walk quickly and effortlessly through border control without the need for human inspection. IDEMIA's world-leading Iris-At-a-Distance recognition technology and biometric algorithms enable rapid, touchless **biometric** data capture and high matching accuracy, allowing border crossing eligibility to be checked against national law enforcement databases in a matter of seconds.



#### E-COUNTERS

are semi-automated border control counters at the airport used to register all passengers and make them eligible to use **ABC eGates** in the future. To cross the border, all unregistered passengers must pass through eCounters for multi-biometric capture, identity verification, background check, and eligibility check. The registration process is remarkably fast and required only once.



#### CUTTING-EDGE BACK-END SYSTEM

manages the data flow between eCounters and **eGates**. The back-end system also monitors and administers the entire entry/exit system. With an integrated traveler database, it interfaces with the Ministry of Interior's systems for background checks in national law enforcement databases. The system is replicated locally at each airport to guarantee 99.9% availability at all times.

## Taking care of global travelers and different cultural norms

The UAE wanted the border crossing experience to reflect the warm welcome and hospitality of the country to its many kinds of visitors. With contactless biometric capture and accessibility features at each step in the process, the chosen technology provides a hygienic, touchless solution that complies with many cultural norms while being accessible to children and people with impaired mobility.

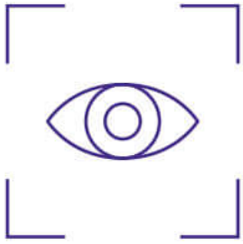
#### MORPHOWAVE BY IDEMIA

**MorphoWave** can capture four fingerprints at once in less than one second with just a wave of the hand.



#### IRIS-AT-A-DISTANCE

Requires passengers to merely look at the tower to capture face and iris biometrics.



#### ABC E-GATES

are designed for families and people with impaired mobility, allowing everyone to pass through, from children aged six and above to passengers in wheelchairs.

