



# Case Study:

## *E-Passports for Senegal*

*BioLink delivers its award-winning technology in the design and implementation of the Electronic Passport System in Senegal involving fingerprinting of the 3 million Senegalese crossing the country's borders.*

BioLink Solutions worked for the design and implementation of the Electronic Passport System in Senegal involving fingerprinting of the Senegalese crossing the country's borders. The ICAO-compliant e-passport used as a travel document will bear the embedded microchip in its cover containing the biometric identifiers of its holder, thus adding more authenticity to this identifying document.



The Republic of Senegal is another African country that launches the e-passport project complying with the stipulations mandated by the ICAO (International Civil Aviation Organization) for machine-readable travel documents protecting the privacy of users against identity theft. In addition, e-passports assist in streamlining the immigration activities and keeping records of visitors coming to the country in real time.

### ***Project Overview***

The system was expected to cover 3 Mio citizens of Senegal. It operates in one main passport operation center in Dakar and eight regional passport operation centers in the Republic of Senegal. In addition, the system will be spread worldwide with another eight overseas passport operation centers in embassies of Senegal in various countries.



The Dakar International Airport will be equipped with four Immigration Autogates enhanced with BioLink biometrics for safe, swift and effortless flow of passengers exiting and arriving to the country.

## BioLink AMIS Performance

BioLink was responsible for the biometric component of the system, namely for managing and matching the biometric credentials, such as the passport holders' live fingerprints captured by a biometric scanner. For this project, BioLink supplied the biometric management server and 8 biometric matchers (2 quad-core processors each) intended to do the fast fingerprint comparison within 24 hours.

The biometric matching is performed based on BioLink's proprietary fingerprint matching algorithms supporting the key international and industry standards, such as ISO/IEC, ANSI/NIST, ANSI INCITS and WSQ. IRIS Corporation Berhad, BioLink's frequent partner in nationwide identification projects, is in charge of providing a fully integrated and highly secure solution for the enrollment, personalization and issuance of e-passport to the Senegalese as well as the appropriate support services within the period of 20 years.



### About BioLink Solutions

BioLink Solutions is a trusted global provider, supplier and expert in biometric identification solutions, systems and professional services.

Employing the best international practices and scientific developments, BioLink is committed to building, deploying and maintaining a full range of award-winning biometric identification and identity management solutions worldwide.

Our solutions are designed for a wide range of IT applications, ranging from home information infrastructures of small- and mid-sized enterprises and commercial businesses to large-scale nationwide identification projects.

For more information please visit [www.biolinksolutions.com](http://www.biolinksolutions.com)