

# REVOLUTIONISING SENEGAL'S NATIONAL eID

## Senegal Selects IRIS to Issue First ECOWAS Integrated Biometric & Voter eID card

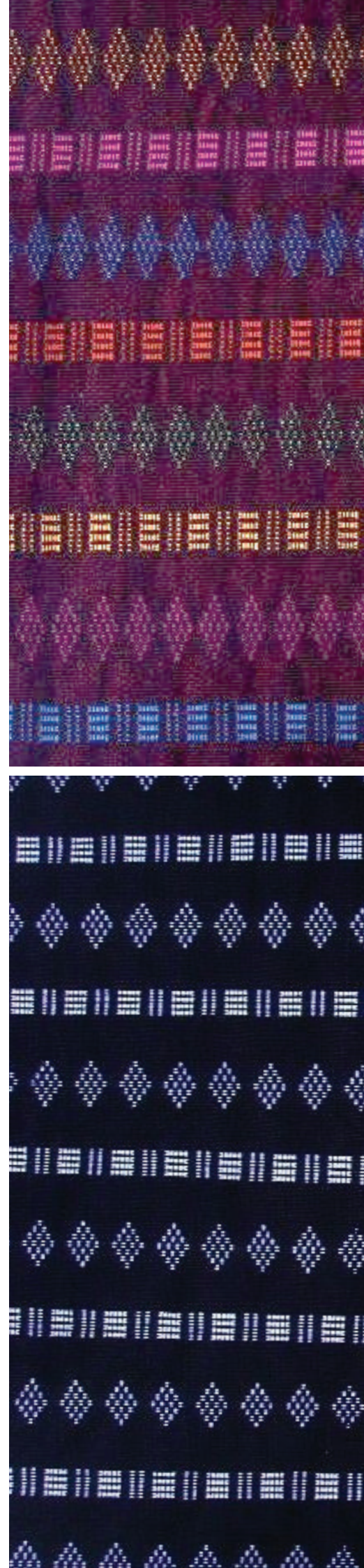
The people of Senegal represent a tapestry of interwoven identities embodying the rich diversity of what it means to be Senegalese. It is this rich tapestry of diverse identities that strengthens their nation. Added to the fold, a new eID card to bind all peoples of Senegal.

La nouvelle  
carte d'identité  
biométrique  
CEDEAO



**3 fonctions à la carte**

Senegal's famously beautiful, elegant and symbolic manjak fabric are woven by master weavers who use hand looms. The making of manjak fabric is an art that requires exceptional skill and is handed down through the generations.



# Identify . Travel . Vote

Long regarded as a model democracy in Africa, the Republic of Senegal has a tradition of politically stable governments and civilian rule. Located in the western most part of Africa's Sahel region, Senegal has a population estimated at 16.88 million (2021 Word Bank) spread over a national territory spnning 196,722 square kilometers.

## ONE CARD, MULTIPLE APPLICATIONS

In early 2015, the Government of Senegal, as one of West Africa's key political and economic hubs, declared a wish to set up a new smart National Identity System for integrated smart identity and voting cards with the possibility of integrating other elements and eSolutions into the smart eID in the future.

The Government had intention to migrate the current non-chip national ID document to a highly secure, smart National eID that incorporates multiple functions so as to establish greater reliability and efficiency in the administrative domain of Government as well as to combat identity theft and to prevent electoral fraud.

A year later, IRIS Corporation Berhad (IRIS) clinched the contract for Senegal's new eID and the development of a comprehensive new smart National Identity System. The Government of Senegal gave complete trust and confidence to IRIS for the deployment of the innovative system which reliably and securely manages enrolment, personalisation, and issuance of Senegal's new integrated biometric eID.

The new Senegal ECOWAS Biometric eID is a multi-use and multi-functional card, which not only serves as Senegal's national identity card but also a voting card. It also functions as a valid travel document that facilitates intra-regional mobility, replacing the current resident permit. Senegal citizens now live and reside in ECOWAS member countries without having to provide any other identification document.

Senegal's new biometric eID and voter card uses a proprietary fraud resistant polycarbonate (PC) card, entirely made of polycarbonate, guarantees a minimum ten-year service life and is able tolerate years of rough everyday use without delamination. With complex and multi-layered card structures made from highly secure and durable polycarbonate materials, the card is able to further withstand moisture, sunlight, and extreme temperatures, as well as bending and other mechanical stresses.

## BETTER IDENTIFICATION, STRONGER AUTHENTICATION

The new counterfeit-proof card is loaded with innovative, multi-layered, world class security features combined with unique techniques that are compliant with Levels 1, 2 and 3 security features in line with ECOWAS/ICAO recommendations for protection against unauthorised reproduction, alteration and tampering. These include the numerous overt and covert security features from traditional security printing such as guilloches, rainbow and microtext, optically variable inks (OVI), and inks containing ultraviolet (UV) or infrared (IR) pigments to advanced security features such as tactile surface features, laser engraved portrait and card holder's information and embedded hologram.

Leveraging the most versatile laser engraving technology in card identity systems, IRIS introduced multiple laser engraving personalisation attributes. Any attempt to alter the permanently engraved data and images will result in visible card damage and destroy the integrity of the image. Apart from that, the laser engraver can also perform lenticular personalisation to produce Changeable Laser Images (CLI) on the new eID card where at any one time, only one data can be visibly seen depending on the viewing angle, thus providing additional barriers against counterfeiting attempts via desktop printers.

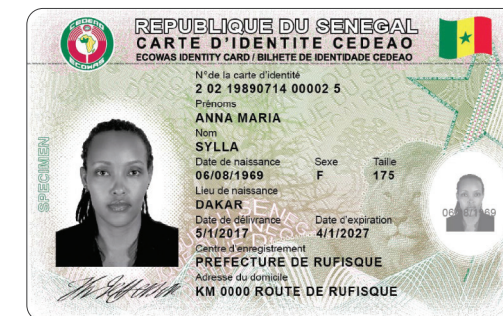
An embedded contactless chip allows the card to store more information including a digital copy of the card holder's identity and voter ID information, digital portrait and biometric fingerprints. This air-tight combination of complex card structures, embedded security features, and highly secure contactless chip, will definitely inhibit tech-savvy counterfeiters from reproducing, forging and unlawfully manipulating the new eID.

IRIS also supplied its proprietary, fully integrated solution to manage citizen enrolment, card personalisation, and card issuance. Implementation of Senegal's new eID system, managed and harmonised by IRIS' flagship software solution for secure identification documents, took four (4) months, thanks to IRIS' decades of eID experience and focused efforts to implement the best-in-class identity solution for Senegal. In June 2021, IRIS secure an extension contract to supply an additional 3 million eID cards. As of April 2023, more than 13 million eIDs have been delivered to Senegal.

## BEYOND IDENTITY

The new, end-to-end integrated biometric eID solution allows Senegal's Government full flexibility and autonomy to manage and operate the new national eID programme in-house. Establishing and verifying every citizen's identity is at the heart of a successful and secure nation state, and with this new system, it is a first step in creating an ecosystem of trusted identities which promises to transform the lives of citizens where each citizen will be empowered with a unique proof of identity, one that is backed up by the highest level of reliability, security and confidentiality, achieving the Government's key strategic objective.

In line with the Government of Senegal's leadership's innovative thinking, Senegal became the first of fifteen (15) nations in the Economic Community of West African States (ECOWAS) to issue a biometric smartcard with microchip that integrates identification and information for ECOWAS regional travel, National Identity and Voter eligibility.



Front of the card: the card bearer's full identity (identity number, names, date and place of birth, gender, height, residential address)

Back of the card: the card bearer's electoral information (geographical data, poll area, electoral number)





## Our Secure Solutions

We offer comprehensive, sustainable, highly adaptive, and customisable Trusted Identification software and solutions that are built on secure platforms and architecture. Our proven solutions unify security, inventory, workflow, and lifecycle requirements while managing enrolment, production, issuance of physical, electronic and digital documents such as identity cards, ePassports, driver's licenses, voter cards, travel visas and many more.



IRIS eID and  
Digital Identity  
Solution



IRIS  
ePassport  
Solution



IRIS Border  
Control  
Solution



IRIS Driver's  
License & Vehicle  
Registration  
Solution



IRIS Voter ID  
& Management  
Solution



IRIS eVisa  
Solution



IRIS Smart  
Card Solution



IRIS Secure  
Document  
Solution



IRIS  
Smart  
Kiosks



IRIS  
Smart  
Devices

## Why IRIS ?

We are a globally recognised technology-driven company with dual-certifications as a security printer and security supplier. Our experience of more than 25 years has allowed us to pioneer numerous break-through identity products and solutions for greater national and trans-border security - inventing the world's first ePassport and the world's first multi-application National ID card. Our comprehensive range of trusted identification solutions span the globe. From the manufacture of smartcards and secure travel documents to the devices and software architecture required for authentication, we continue to integrate disparate technologies that are Innovative, Relevant, Intelligent and Secure to bring to life solutions that are sustainable.



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