



**GovSmart:**  
**Enabling Access**  
**To Public Services**



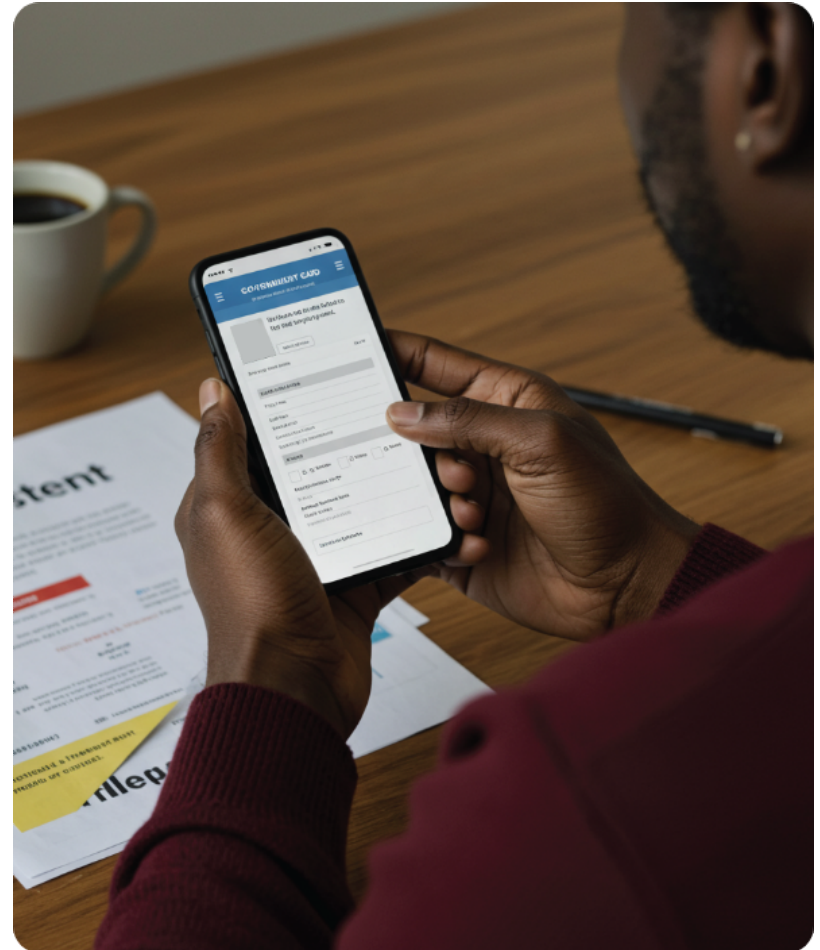
# The Future Seamfix Imagines

In the rapidly evolving digital landscape, the demand for seamless, secure, and scalable solutions across public sector services has never been higher. Governments and public institutions worldwide face a dual challenge: **delivering efficient and accessible services while maintaining airtight security and compliance.**

Imagine a future where citizens can apply for government services such as driver's licenses, passports, social benefits, and business registrations, **within minutes, without ever stepping into an office.**

Where field agents can collect critical data in the most remote locations without expensive hardware, and where back-office administrators leverage AI to **automate verification**, ensuring only the highest-quality data enters the system.

At Seamfix, we are building this future today. GovSmart empowers governments to scale service delivery without the traditional constraints of cost, infrastructure, and manual processes.



# Real Stories Across Africa



**Name:** Kwame Agyare

**Age:** 55

**Occupation:** Director General of a Public Sector Agency

Kwame leads the national e-government initiative for a rapidly growing economy. **He faces key challenges:**

- Citizen enrollment for government services is slow and expensive, with long queues delaying access to essential programs.
- Fraudulent applications increase, undermining trust in public sector systems.
- Legacy technology which limits interoperability and scalability.
- Government agents struggling with cumbersome hardware and inefficient workflows.

Kwame needs a solution that is fast, scalable, cost-effective, and capable of meeting stringent compliance requirements.



# Real Stories Across Africa



**Name:** Amina Dakolo

**Age:** 37

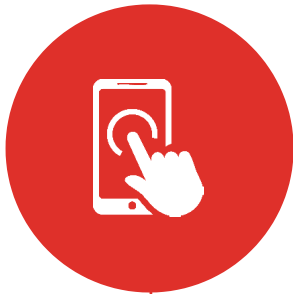
**Occupation:** Nurse

Amina is a working professional and a mother of two in a rapidly digitizing country. She relies on government services for identification, healthcare, and financial access but faces key challenges:

- **Lengthy bureaucratic processes** delay her ability to obtain essential documents like national IDs and passports and access social benefits.
- **Limited access to digital services** forces her to visit government offices in person, ensuring long queues and time away from her job.
- **Security and privacy concerns** make her hesitant to share personal data online without clear assurances of protection.
- **Lack of interoperability** between agencies means she has to repeatedly submit the same documents across different platforms.



Amina needs a seamless, secure, and user-friendly digital identity solution that empowers her to:



Access government services **quickly and remotely** from her phone.



Authenticate her identity **securely and effortlessly** without fear of fraud.



Control how and when her data is shared, ensuring **privacy and trust.**



Use a single identity across multiple services, reducing redundancy and hassle.

# Real Stories Across Africa



**Name:** Daniel Williams

**Age:** 37

**Occupation:** Software Engineer, based in Canada

Daniel is a software engineer living in Canada but originally from Nigeria. He wants to stay connected to his home country for identification, investments, and family support, but faces key challenges:

- **Difficulty accessing government services** as renewing his national ID, passport, or verifying his identity requires travel or complex processes.
- **Financial and legal barriers** as opening bank accounts, sending money home, or investing in property requires multiple layers of verification.
- **Lack of seamless authentication**, because many platforms do not support digital identity verification, forcing him to rely on outdated, manual methods.

**Concerns over data security and fraud;** he worries about identity theft and unauthorized access when sharing his personal details remotely.

Daniel needs a **trusted and globally accessible** digital identity solution that enables him to:



**Remotely verify and update** his national identity without visiting an embassy.



**Seamlessly access** banking, property investments, and legal services back home.



**Authenticate securely** for government & private sector transactions using biometrics or mobile verification.

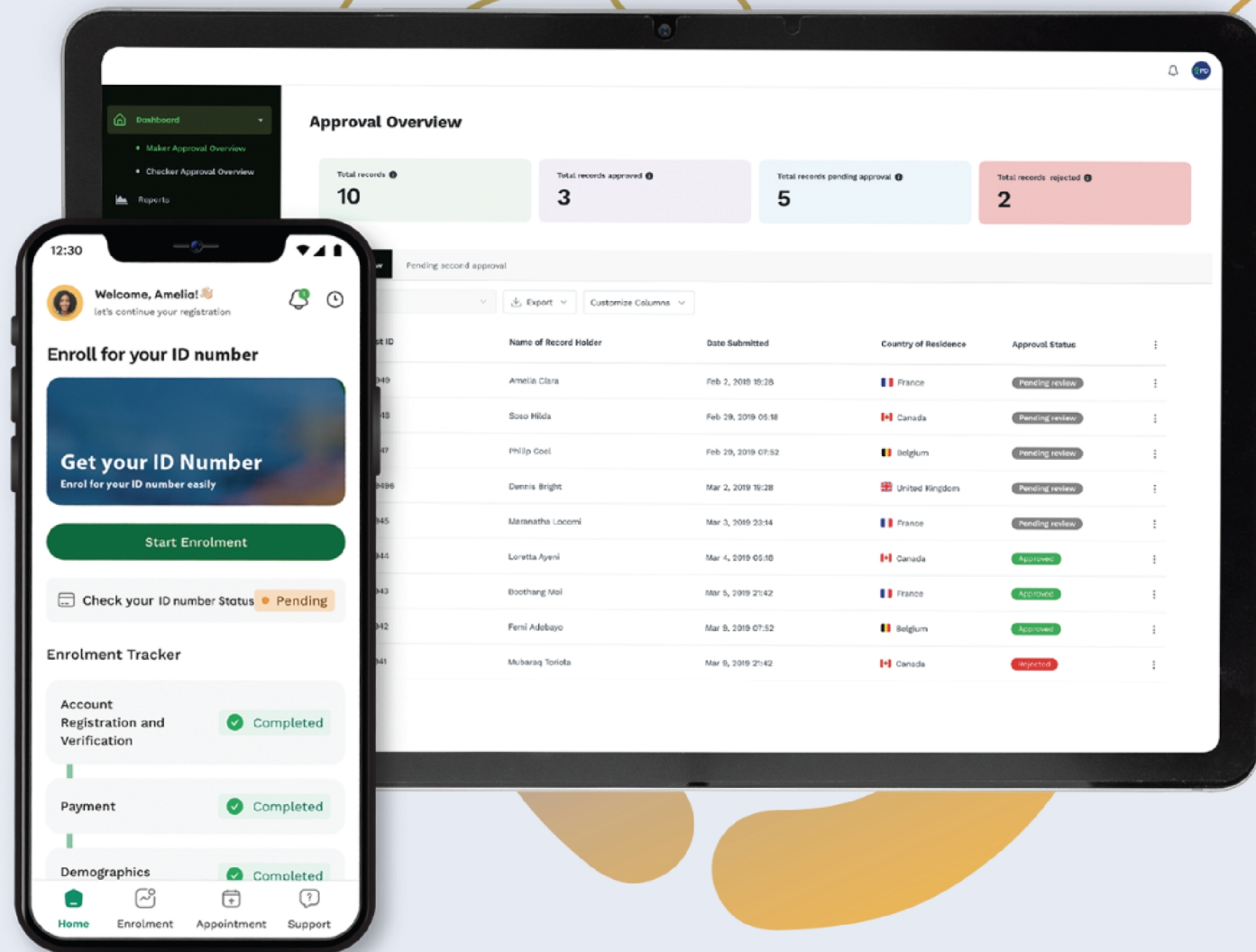


**Stay compliant** with local and international KYC regulations without unnecessary paperwork.

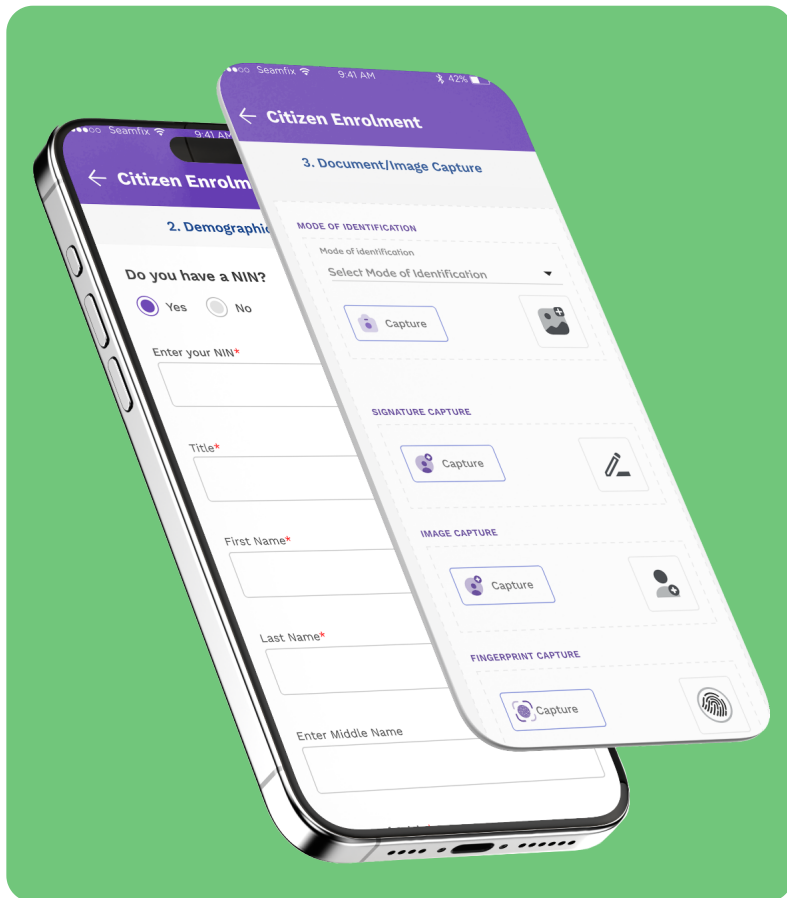
With **GovSmart**, Daniel can **securely prove his identity anytime, anywhere**, making it easier to stay connected, invest, and contribute to his home country's economy while living abroad.



# GovSmart



# Empowering Citizens to Access Government Services Remotely



A game-changer for digital public service enrollment, enabling individuals to apply for services remotely without requiring agents.



## **Mobile-First Enrollment:**

Citizens can submit applications and required documents using only their smartphones.



## **AI-Driven Portrait Validation:**

Matches submitted photos with identity documents while ensuring quality, compliance, and likeness.



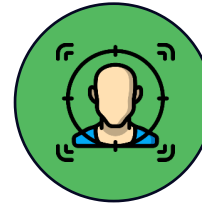
## **Real-Time Biometric Quality Checks:**

Detects poor-quality images and prompts users to recapture, ensuring high accuracy.



### **Face & Fingerprint Matching Against Identity Databases:**

Validates biometric data against government or organizational records for enhanced security.



### **Liveness Detection & Anti-Spoofing:**

Ensures users are physically present, blocking fraudulent attempts.



### **AI-Powered Document Capture & Verification:**

Eliminates poor-quality submissions with built-in real-time quality checks.



### **Contactless Fingerprint Capture:**

Allows remote biometric enrollment using smartphone cameras for secure identity verification.

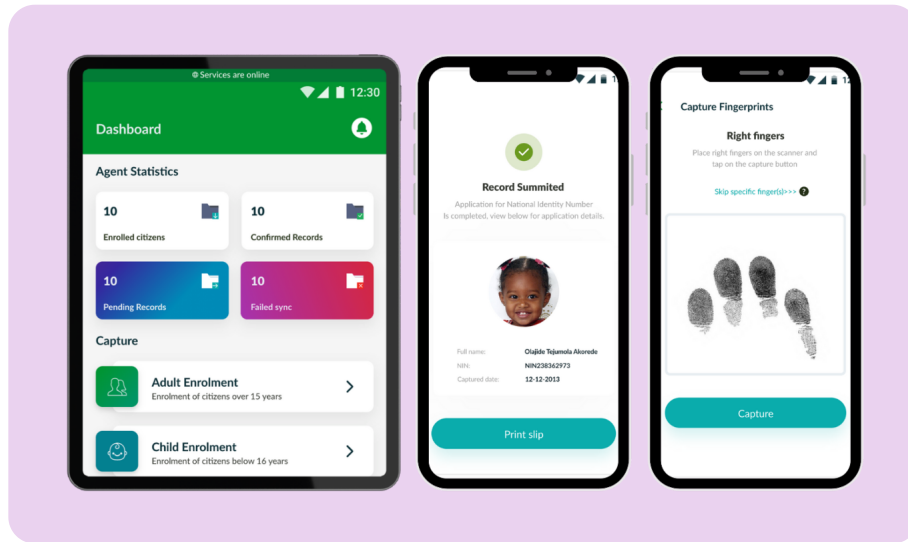


### **OCR & Data Extraction:**

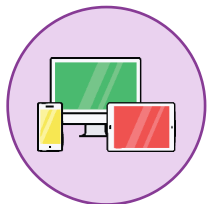
Extracts and verifies identity data from passports, driver's licenses, business registrations, and more.



# Powering Agent-Led Enrollments & Improving Field Agent Efficiency

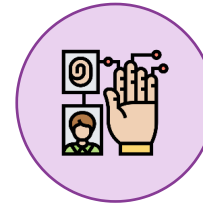


GovSmart is a robust solution for government field agents conducting on-the-ground enrollment, built for reliability in even the toughest environments.



## Multi-Device Compatibility:

Runs on tablets, smartphones, and rugged biometric devices.



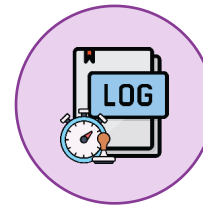
## Document & Biometric Data Collection:

Supports fingerprint, facial recognition, and ID scanning.



## Automated Data Quality Checks:

Prevents bad enrollments in real time, reducing rejection rates.



## GPS & Time-Stamped Logs:

Tracks agent locations for auditability and compliance.

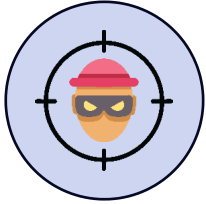
Reduces fraud, enhances accuracy, and speeds up field enrollments by **40%**.

# Delivers A Command Center for Public Sector Management

The screenshot displays the GovSmart web application interface. On the left is a dark sidebar with navigation links: Dashboard, Approvals (selected), Maker Approval Overview, Checker Approval Overview, Settings Management, Reports, Notifications, and Profile. The main content area shows a request approval screen for Request ID #6384949. The status is 'Pass'. The interface is divided into sections for Personal Details, Fingerprint Details, Approval Status, Verification Results, and Video Call Details. The Personal Details section is active, showing fields for Title (Miss), Date of Birth (19/10/1994), Telephone Number (+33 1 09 75 83 81), Country of Birth (Bénin), State of Origin (Ile-de-France), Identification Issue Date (27/05/2014), Identification Place of Issue (PAF), Firstname (Amelia), Middle Name (Sofia), Lastname (Clara), Nationality (Béninoise), Gender (Female), Identification Expiry Date (26/05/2019), and Permanent Address (84 Rue de Verdun). A 'Captured Images' section shows a large image of a Nigerian ID card and smaller thumbnail images of the applicant's face and fingerprint. The ID card displays 'FEDERAL REPUBLIC OF NIGERIA', 'National Identity Card', 'PROUD NIGERIAN CITIZEN', 'NIN 5394 2678 4245 0618', and 'NIN 4013040514'. The bottom of the screen shows the SEAMFIX logo and the text 'GovSmart: Enabling Access To Public Services'.

Personal Details	Fingerprint Details	Approval Status	Verification Results	Video Call Details
<b>Title</b> Miss	<b>Firstname</b> Amelia	<b>Report Status</b> Pass		
<b>Date of Birth</b> 19/10/1994	<b>Middle Name</b> Sofia			
<b>Telephone Number</b> +33 1 09 75 83 81	<b>Lastname</b> Clara			
<b>Country of Birth</b> Bénin	<b>Nationality</b> Béninoise			
<b>State of Origin</b> Ile-de-France	<b>Gender</b> Female			
<b>Identification Issue Date</b> 27/05/2014	<b>Identification Expiry Date</b> 26/05/2019			
<b>Identification Place of Issue</b> PAF	<b>Permanent Address</b> 84 Rue de Verdun			
<b>Residential State/Province</b>	<b>Location/City</b>			

GovSmart offers a centralized platform for government administrators to review, verify, and manage applications at scale.

**Automated Verification & Fraud Detection:**

AI flags inconsistencies, duplicate applications, and fraud attempts.

**Video Interview Integration:**

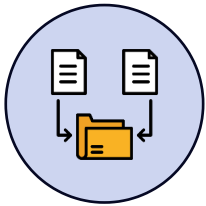
Enables real-time remote interviews for verification and assessment.

**Customizable Approval Workflows:**

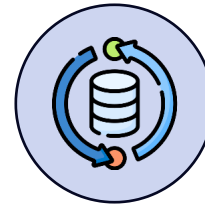
Configurable review processes to match government policies.

**Analytics & Reports:**

Real-time insights into application trends, fraud rates, and system performance.

**Data Deduplication & Matching:**

Merges duplicate records, ensuring clean databases.

**Integration with National Databases:**

Seamlessly connects to existing registries, CRMs, and payment systems.

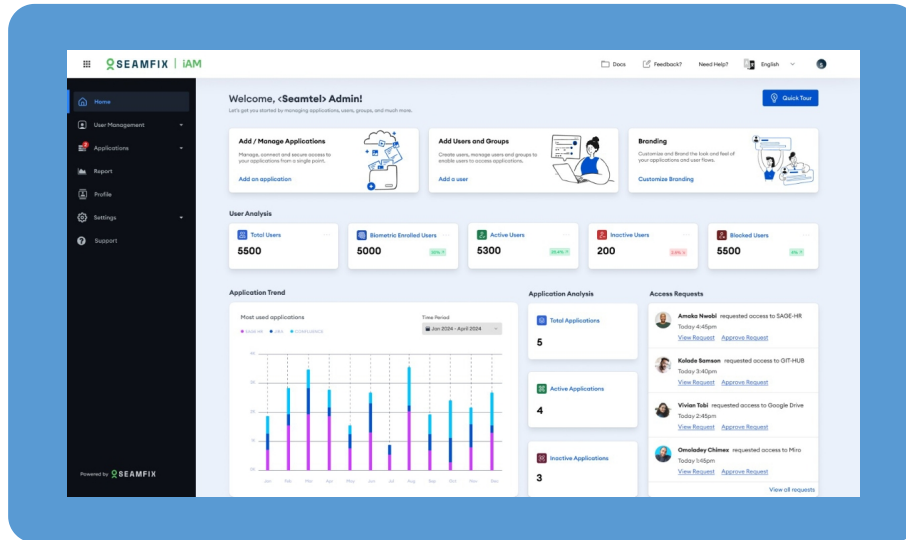
**Appointment Scheduling:**

Allows citizens to book in-person or virtual appointments with government officials.

Streamlines governance and compliance while cutting manual review time by up to 50%.



# Offers Secure Identity & Access Management for Public Sector Services



A robust biometric identity and access management system for secure authentication and identity verification.



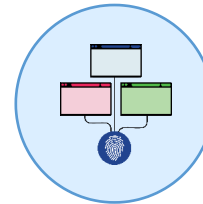
## Multi-Factor Authentication:

Combines biometrics with password for added security.



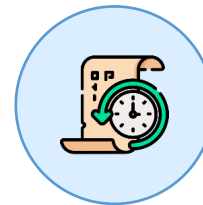
## Role-Based Access Control:

Ensures only authorized personnel can access sensitive data.



## Biometric Single Sign-On (SSO):

Enables seamless login across government service platforms.



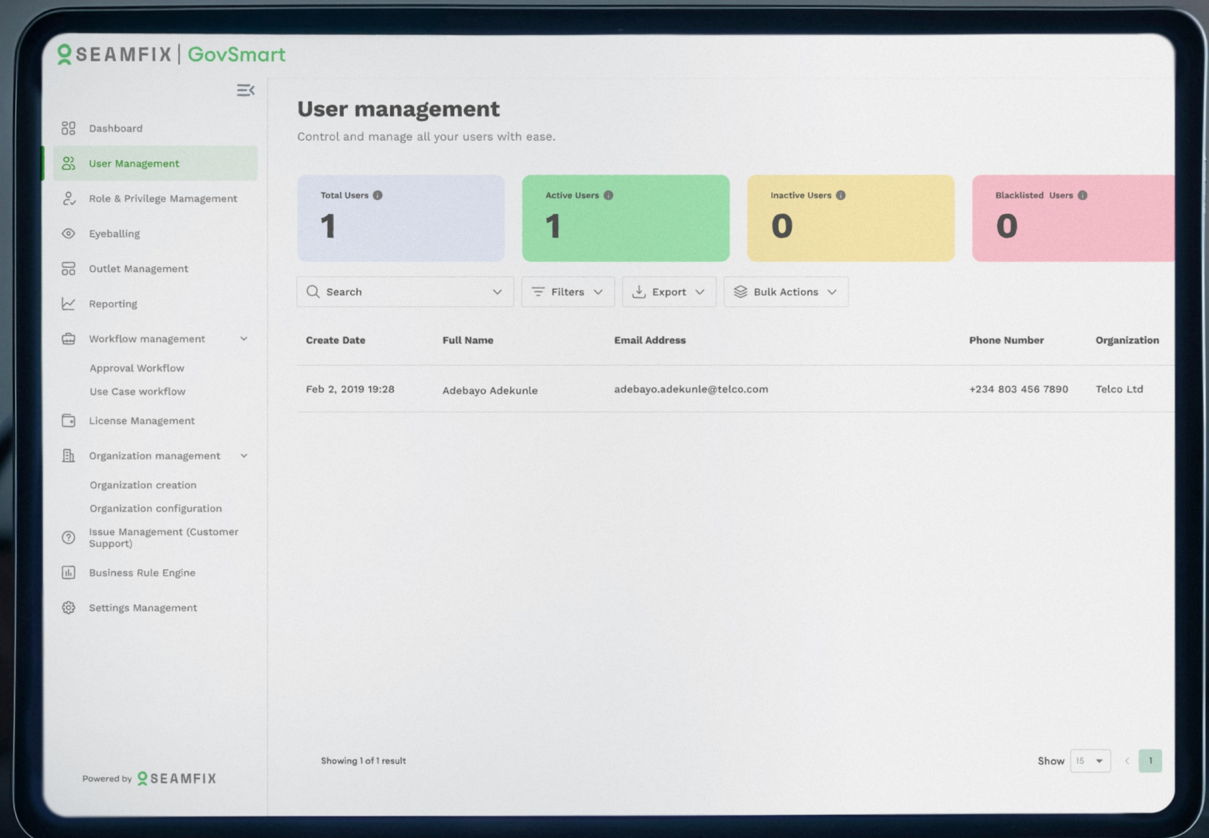
## Audit & Compliance Tracking:

Provides full logs of authentication attempts and access history.

Enhances security, prevents unauthorized access, and ensures compliance with regulations.

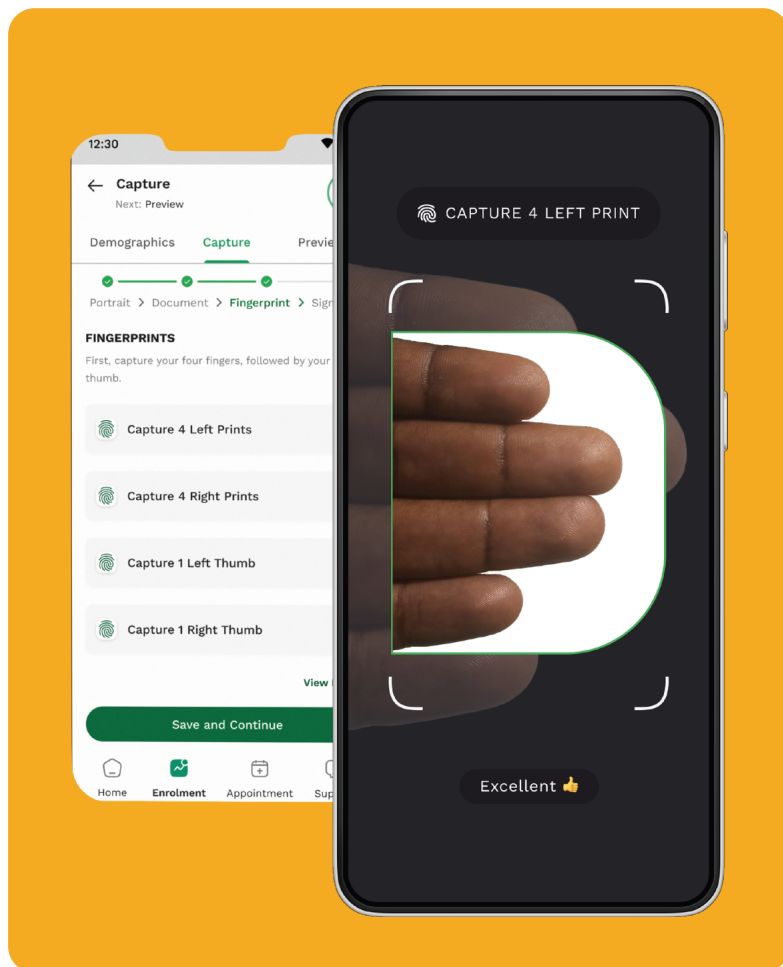
# Standalone Capabilities that Enhance Government Service Delivery

Beyond the core solutions, GovSmart provides modular, AI-driven capabilities that can be integrated into any public sector system.





# AirPrint – Contactless Fingerprint Capture SDK



A revolutionary biometric solution that enables fingerprint capture using standard mobile device cameras—eliminating the need for expensive fingerprint scanners.

## Key Benefits:

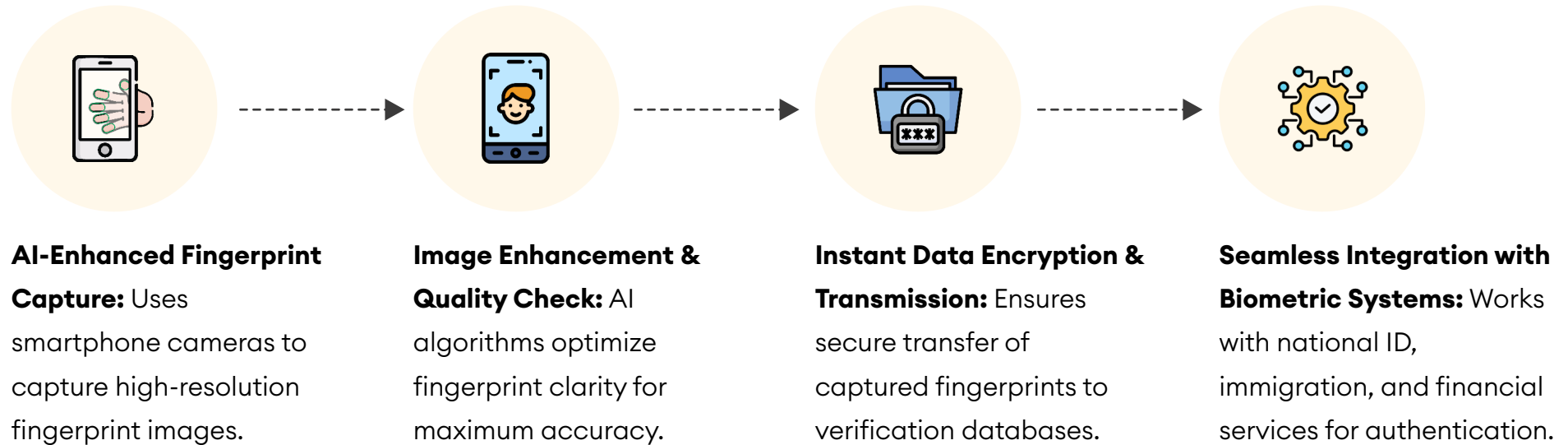
- **No Additional Hardware Costs:** Uses existing smartphones and tablets for biometric enrollment.
- **Frictionless User Experience:** Streamlines field operations, reducing setup time.
- **Highly Secure & Accurate:** Compliant with international biometric authentication standards.

## Why It Matters?

Traditional fingerprint scanners are costly and often impractical for large-scale deployments. AirPrint offers a cost-effective alternative without compromising accuracy.



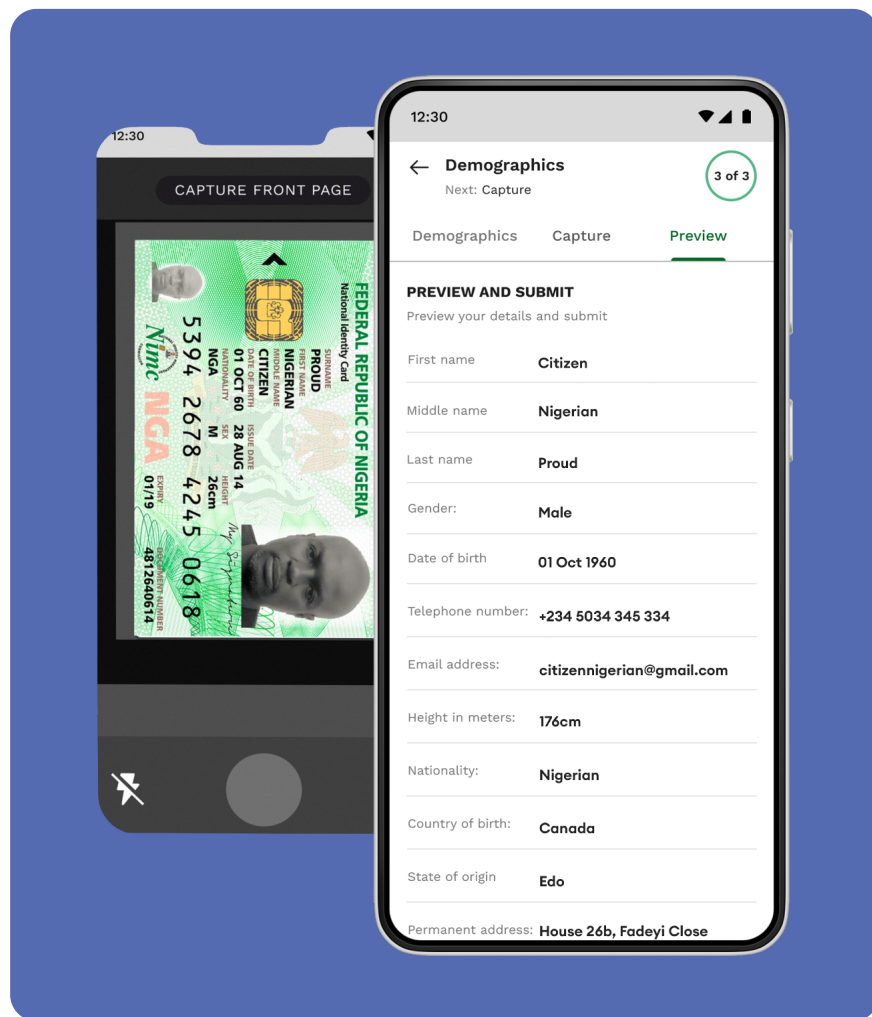
## How it Works



## Common Use Cases

- 1 National ID Programs:** Enables seamless biometric registration without expensive hardware.
- 2 Border Control & Immigration:** Verifies travelers using contactless fingerprint technology.
- 3 Financial Services:** Ensures secure identity verification for banking and mobile money.

# OCR Extractor – AI-Powered Data Extraction



A high-speed, AI-driven Optical Character Recognition (OCR) solution that automates data extraction from official documents such as passports, ID cards, and business licenses.

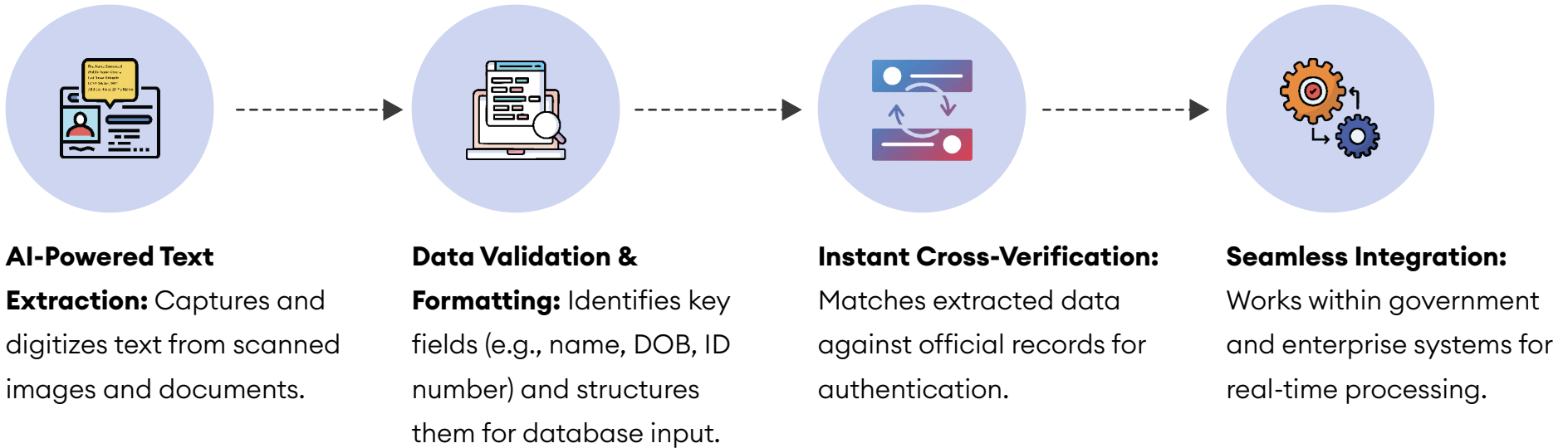
## Key Benefits:

- **Automated Text Recognition:** Extracts critical identity and document data with precision.
- **High-Speed Processing:** Eliminates manual data entry errors and accelerates workflows.
- **Multi-Document Compatibility:** Supports IDs, passports, tax forms, and more.

## Why It's Essential?

Governments handle massive volumes of documents daily—OCR automation drastically reduces human error, speeds up processing, and enhances efficiency.

## How it Works



## Common Use Cases

- 1 Passport & Visa Processing:** Extracts and verifies applicant information for faster approvals.
- 2 Business Registration & Compliance:** Automates company document verification.
- 3 Tax & Revenue Collection:** Speeds up taxpayer identification and filing processes.

# Contact-Based Fingerprint Acquisition & Verification



A secure, high-precision fingerprint capture and authentication system that ensures accurate identity verification for critical government and enterprise services.

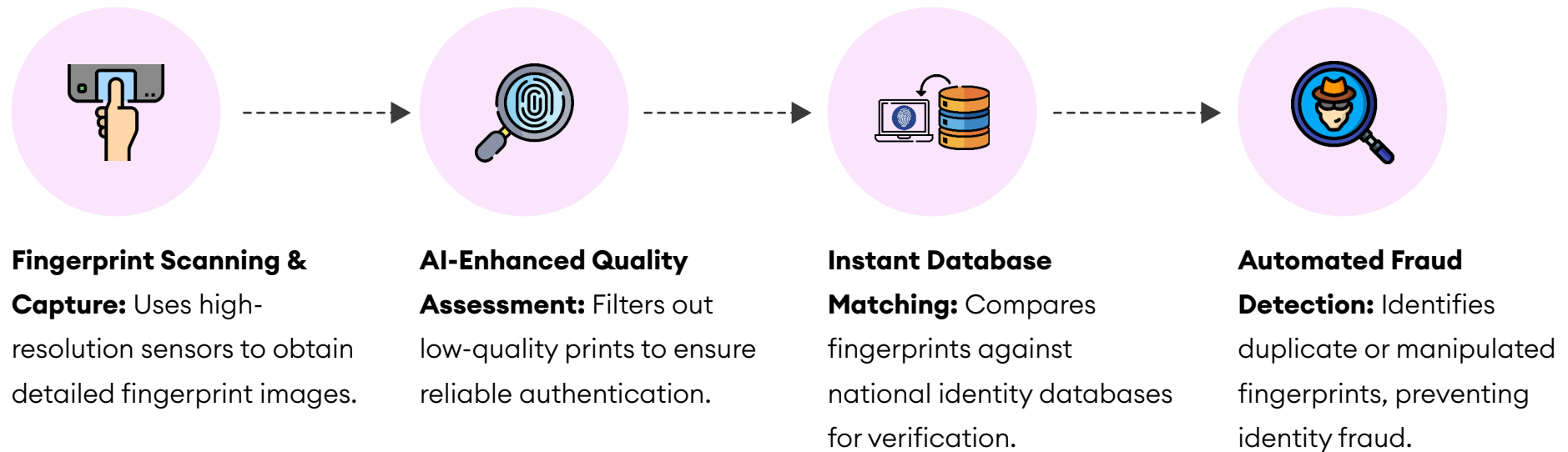
## Key Benefits:

- **Secure Biometric Enrollment:** Captures high-resolution fingerprints for digital identity records.
- **Real-Time Authentication:** Instantly matches fingerprints against national biometric databases.
- **Fraud Prevention:** Prevents identity theft and unauthorized access with biometric verification.

## Why It's Important?

Biometric authentication remains one of the most secure ways to verify identity, ensuring that only legitimate individuals gain access to government services.

## How it Works



## Common Use Cases

- 1 Law Enforcement & Criminal Records:** Ensures accurate fingerprint matching for forensic investigations.
- 2 Social Benefits Enrollment:** Prevents duplicate registrations and fraud in welfare programs.
- 3 Voter Registration & Elections:** Ensures only verified citizens can participate in elections.



# Image Quality Checker – AI-Powered Face Quality Check System



An advanced AI-driven tool that ensures only high-quality facial images are accepted during identity enrollment and verification. This solution enhances accuracy, speeds up processing, and guarantees compliance with international identity standards.

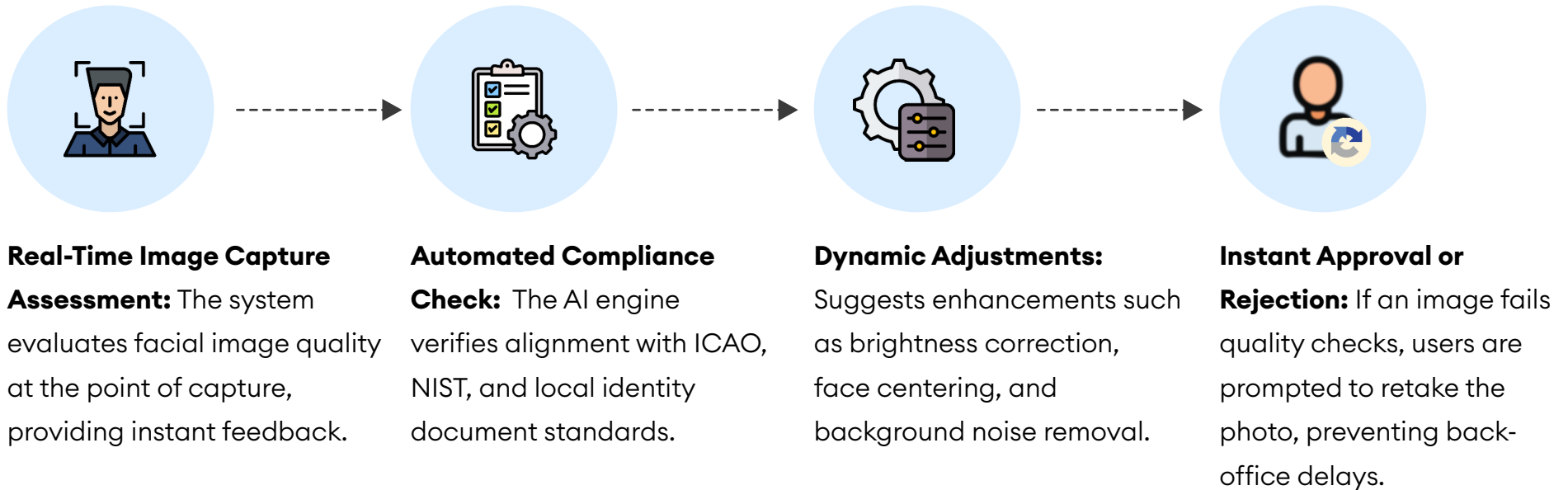
## Key Benefits:

- **Eliminates Poor-Quality Captures:** Reduces rejection rates due to blurry, overexposed, or improperly framed images.
- **AI-Powered Image Scoring:** Uses deep learning algorithms to assess image sharpness, brightness, and facial positioning.
- **Seamless Integration:** Works effortlessly with existing government identity and biometric systems.

## Why AI-Powered Capabilities?

By leveraging AI for identity verification, governments can reduce fraud, improve service efficiency, and enhance data quality.

## How it Works



## Common Use Cases

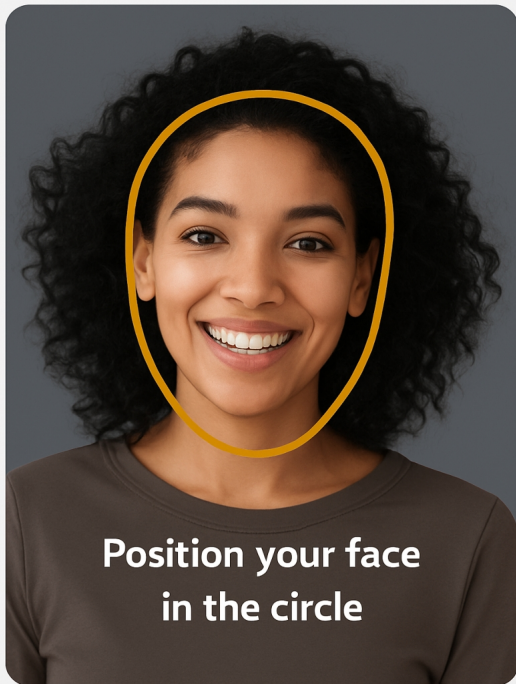
- 1 National ID & Passport Enrollment:** Ensures high-quality photo submissions, reducing rejections.
- 2 Digital KYC & Financial Services:** Prevents delays in online customer verification due to poor image quality.
- 3 Border Control & Immigration:** Ensures facial images meet international security standards for travel documentation.

**Impact:** Increases acceptance rates by 70% and speeds up enrollment processes, reducing manual review efforts.

# Advanced Liveness & Face Verification

## Nod your head

Position your face in the circle



Position your face  
in the circle

A cutting-edge AI-driven solution that prevents fraud by distinguishing between live individuals and spoof attempts while ensuring high-accuracy facial matching.

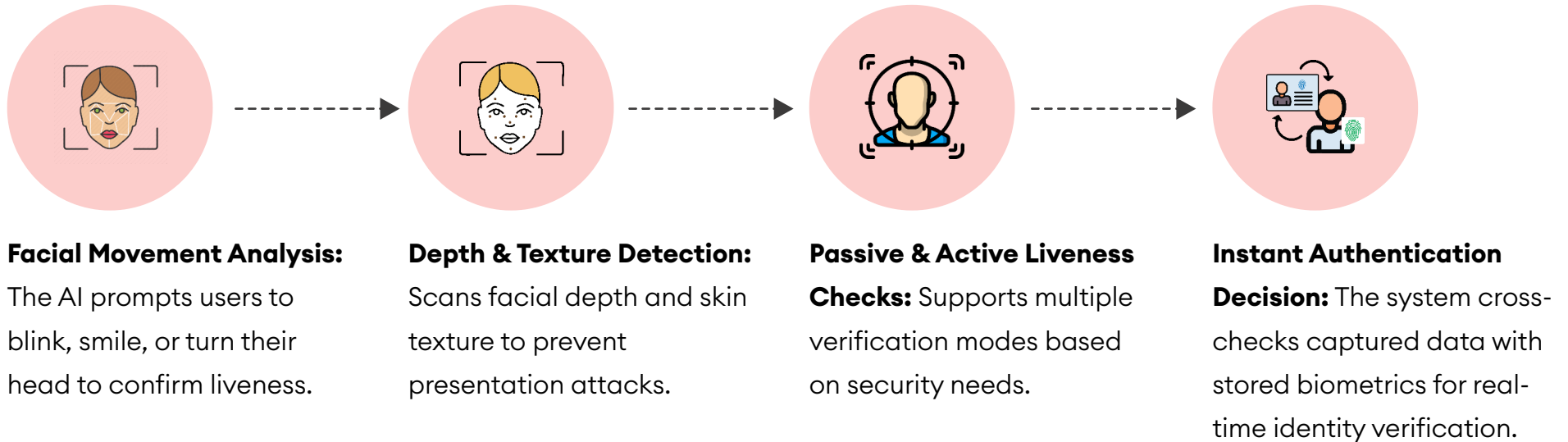
### Key Benefits:

- **Defends Against Deepfakes & Spoofing:** Detects 3D face spoofing, printed photos, and digital manipulation.
- **Real-Time Facial Scanning:** Analyzes motion, texture, and facial structure to ensure liveness.
- **1:1 & 1:N Face Matching:** Provides fast and accurate identity verification against government databases.

### Why It Matters?

Liveness detection ensures only real individuals enroll or verify their identity, reducing fraud attempts by 90%.

## How it Works



## Common Use Cases

- 1 E-Government & National ID Verification:** Prevents identity fraud during digital onboarding.
- 2 Banking & Financial Services:** Ensures secure facial verification for remote account access.
- 3 Online Voting & Digital Signatures:** Enhances security in remote authentication processes.

**Impact:** Reduces identity fraud risks by 90% and ensures secure digital onboarding.

# Comprehensive Background & Document Verification



A robust verification system that cross-checks identities against national databases and performs additional validation, such as address, guarantor, and employment verification.

## Key Benefits:

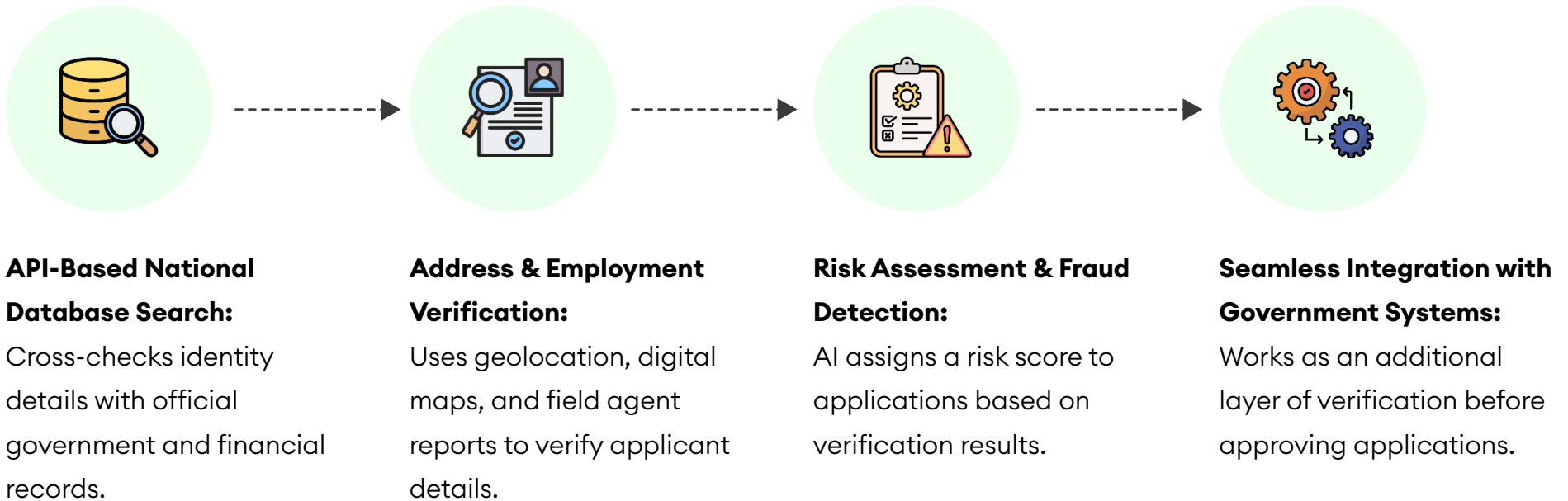
- **API-Based Identity Validation:** Verifies identities using government and third-party databases.
- **Multi-Layer Verification:** Confirms address, employment, and references to prevent fraudulent applications.
- **Automated Risk Scoring:** Flags inconsistencies and potential fraud for manual review.

## Why It's Essential?

Government services require secure identity verification beyond biometrics, ensuring applicants meet eligibility requirements.



## How it Works



**Impact:** Strengthens security, reduces fraud risks, and ensures the legitimacy of government service applicants.

# Notable Implementations



In 2013, Seamfix was awarded the contract by the National Identity Management Commission (NIMC) to deliver a Windows Enrollment platform which will be used for enrolling the NIN (National Identity Number) of every Nigerian. The platform is still actively in use today nationwide.

In 2018, NIMC had further engaged Seamfix to provide Android version of the NIN enrollment platform which is expected to power the NIMC digital ecosystem drive in line with the NIMC strategic roadmap sponsored by World Bank.

## Seamfix delivers:

Nigerian has grown from 30 Million citizens in 2012 (Before we arrived) to over 80 Million enrolled citizens in 2022 (After we arrived)

## Results:

- 50 Million+ citizens enrolled
- 70% enrollees were satisfied using Seamfix Capture



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