

NPF SafeAlert

Surveillance & Vigilance Mobile System

Digital Emergency Response Platform for the Nigerian Police Force

NPF SafeAlert is a mobile safety platform designed to transform emergency reporting and police response across Nigeria. It enables citizens and residents to quickly send SOS alerts, report various incidents, and share multimedia evidence while providing real-time visibility to police command centers.

Strategic Value to Nigerian Police Force:

- ✓ One-tap SOS with GPS dispatch
 - ✓ Structured reporting (photo/video/audio)
 - ✓ Live patrol tracking
 - ✓ Command center analytics
 - ✓ Secure citizen/immigrant onboarding



Core Emergency Interface – SOS System

Primary Feature: Large Central “SOS” Hold Button

Functionality:

- ⌚ Press & Hold activation (3 seconds)
- 📍 Auto GPS capture
- 🚕 Alert routed to nearest available police unit
- ✉️ Instant notification to command dashboard

Micro-Interactions:

- ⌚ Button pulse animation during hold
- 🔊 Haptic vibration feedback
- ⌚ Countdown ring progress indicator
- ✓ Confirmation animation upon successful alert

Value to Nigerian Police Force:



Structured Incident Reporting Modules

Four Action Cards Interface

1. Road Incident

2. Missing Person

3. Suspicious Activity

4. Report Crime

Backend Routing Logic:

↻ Automatically routes case to appropriate police unit

🧠 Smart availability detection

⬆ Escalation to state command if unassigned

Functional Benefits:

- ✓ Categorized case intake
- 📷 Image & video upload
- 📝 Description field
- 📍 Auto location tagging
- 📅 Case reference number generation

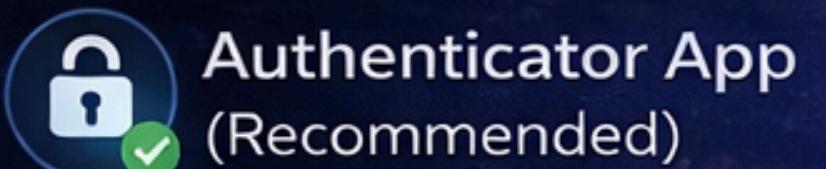
Value to NPF:

- ✓ Organized data intake
- ✓ Reduced paperwork
- ✓ Digital evidence preservation
- ✓ Structured investigation pipeline

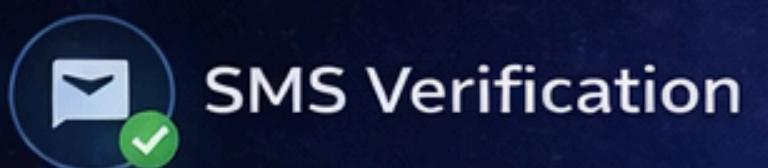


Secure Authentication & Access Control

Security Layers:



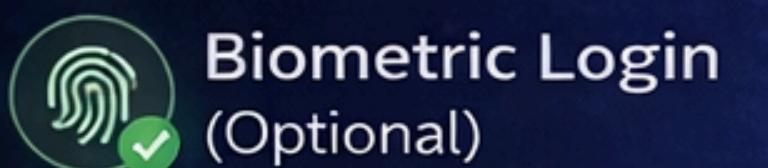
Authenticator App
(Recommended)



SMS Verification



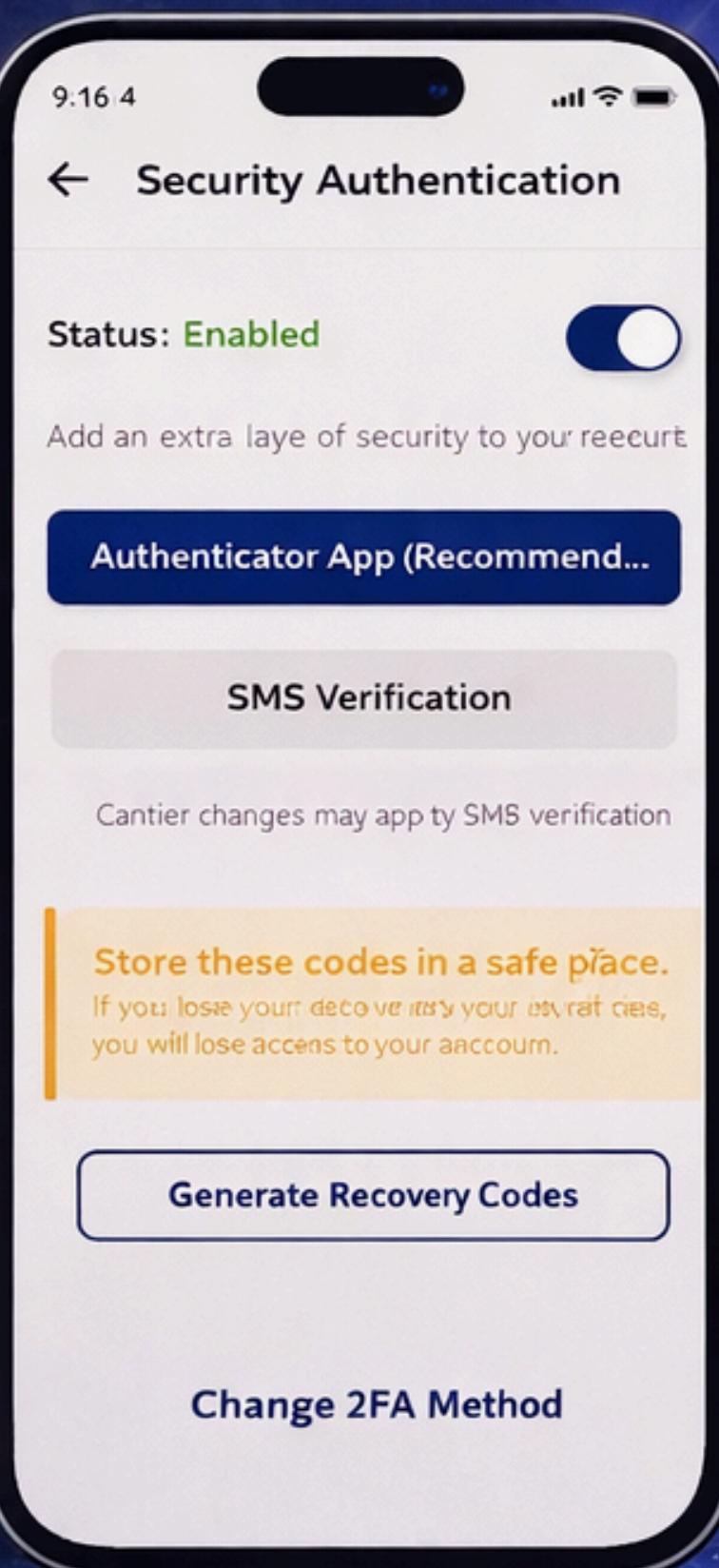
Recovery Codes



Biometric Login
(Optional)

Value to NPF:

- ✓ Secure officer accounts
- ✓ Controlled system access
- ✓ Reduced impersonation risks
- ✓ Audit trail compliance



Role-Based Access Control (RBAC):



Citizen



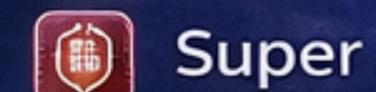
Immigrant



Officer



Unit Admin



Super Admin

Admin Controls:



Officer account creation



Unit registration management



Strike system management



False alarm penalty automation



State report analytics



LIVE Map Intelligence & Location Tracking



Real-Time Incident Response & Police Deployment System

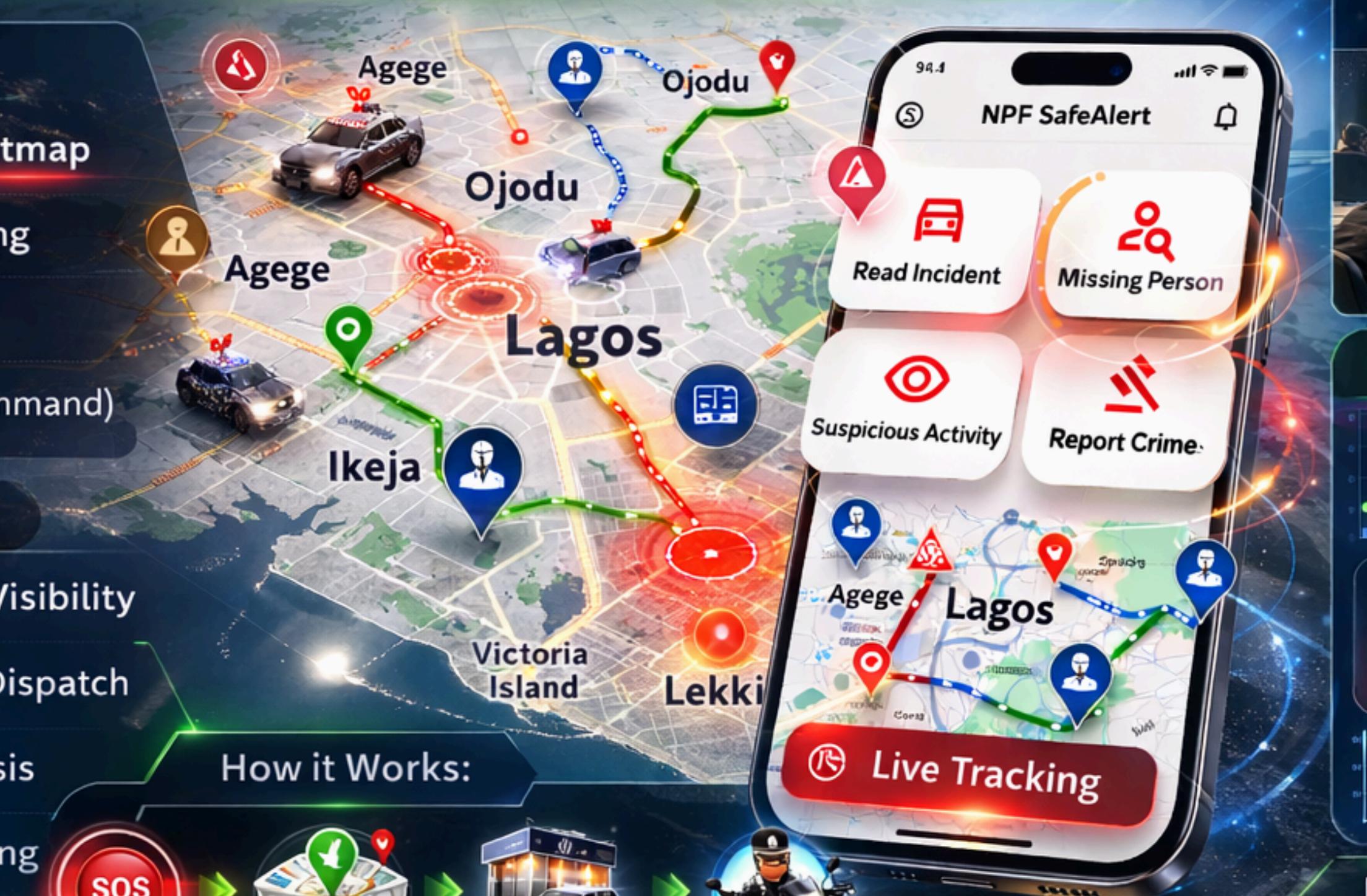
Features:

- Real-Time Incident Heatmap
- Officer Location Tracking
- Clustered Alert Display
- Geo-Fencing (State/Command)

Operational Benefits:

- Strategic Deployment Visibility
- Rapid Nearest-Officer Dispatch
- Incident Density Analysis
- Crime Pattern Monitoring

How it Works:



Command Center View



State Analytics:



Incidents Today:

1,247

Response Time:
03:16 mins

Units Online:
164

Performance Metrics:

State A	<div style="width: 100%;"><div style="width: 100%;">██████████</div></div>	★★★★★
State B	<div style="width: 100%;"><div style="width: 100%;">██████████</div></div>	★★★★★
State C	<div style="width: 100%;"><div style="width: 100%;">██████████</div></div>	★★★★★

TRICODE PRO LTD

RC 7670471

RC:7670471|SoftwareEngineering & DigitalInnovationCompany

Email: info@tricodepro.com | Website: www.tricodepro.com

Office: Suite 13B, No.1 BNB Plaza, Lawoke, Lekki-Epe Expressway, Lagos State, Nigeria

Bill&MVP Demonstration Scope for NPF SafeAlert Surveillance and Vigilance System

Date: November 5, 2025 To: The Nigerian Police Force

Attention: ICT Department / PGIS Division

Purpose of this Document

This proposal outlines the cost and scope for the Minimum Viable Product (MVP) demonstration of the NPF SafeAlert Surveillance and Vigilance System, developed by TRICODE PRO LTD, as part of the preliminary phase toward national deployment. The MVP demo will allow NPF to visualize system functions, test response workflows, and evaluate readiness for pilot implementation.

MVP Scope Overview

The MVP demo will include citizen and immigrant mobile onboarding using NIN/Passport verification, Panic (SOS) button for real-time emergency alerts, Officer assignment and live GPS tracking, Case reporting with image/video upload, Admin dashboard for command center monitoring, and Cloud-hosted data management and notification system.

Cost Options

Option	Description	Features Included	Duration	Cost (NGN)	Cost (USD)
A. Lite MVP Demo	Internal presentation build with basic features	Mobile App (SOS, Reports), Admin Dashboard (View Only)	8 Weeks	#3,000,000	\$1,950
B. Standard MVP	Full MVP demo for NPF ICT showcase	All Lite features + Realtime tracking + Analytics + Cloud Hosting + Officer access	8 Weeks	#4,750,000	\$3,080
C. Extended MVP	Pilot-ready version with full integrations	All Standard features + NIN/Passport APIs + SMS/USSD back up + Geo-divisional Admins + Dashboard analytics	9 Weeks	#6,000,000	\$3,900

Signatures

Approved By:

For: Nigerian Police Force (NPF)

Date: _____

Luke Okagha
CEO, TRICODE PRO
LIMITED

TRICODE PRO LIMITED — Where Innovation Meets Opportunity

Corporate Bank Details: UBA

Account Name: TRICODE PRO LIMITED

Account No: 1022772885

Currency: NGN/USD

Swift Code: UNAFNGLA



www.tricode.pro

Software company

TRICODE PRO LTD

contact@tricode.pro

+2349060700888

@ tricode.pro