

AFRICA'S FORENSIC ANTI-COUNTERFEIT LAYER

Africa's Goods. Genuine. Verifiable. Recoverable.

AFRIDOT combines DTS forensic microdots, ProTracs real-time tracking and the AA-Europe verification network — engineered to defeat counterfeiting and illicit trade across alcohol, tobacco, pharma, agri-inputs and FMCG markets in Africa.

10,000

Microdots per pack / asset

85%+

Recovery uplift with
AFRIDOT

26 Yrs

DTS forensic expertise

\$60B+

Annual African illicit-trade
losses

THE AFRICAN CHALLENGE

Africa Loses Billions to Fakes — and Lives, Too.

ALCOHOL

Counterfeit Alcohol Kills

Methanol-laced bootleg spirits cause hundreds of African deaths yearly. Excise revenues are gutted; legitimate brands pay the price.

TOBACCO

Illicit Tobacco Trade

Up to 30% of cigarettes sold in some African markets are illicit. Governments lose billions of dollars in unpaid excise every year.

PHARMA

Fake Pharma Endangers Patients

WHO estimates 1 in 5 medicines circulating in sub-Saharan Africa is substandard or falsified — antimalarials and antibiotics top the list.

BORDERS

No Cross-Border Recovery

Counterfeit goods hop borders within hours via informal trade routes. Without a verification network, enforcement evaporates at the frontier.

Without forensic marking, African enforcement seizes only ~5% of illicit goods.
With AFRIDOT, that rises beyond 85%.

TRIPLE-LAYER PROTECTION

One Platform. Three Partners. Built for Africa.

LAYER 1 — DIGITAL PLATFORM PARTNER

ProTracs TRACS Platform

- › Real-time GPS asset & shipment tracking
- › Complete IoT asset register
- › Field officer mobile application
- › Incident & seizure management module
- › Revenue-authority audit trail
- › Africa-resident data infrastructure

LAYER 2 — FORENSIC MARKING

DTS Forensic Microdots

- › Up to 10,000 microdots per pack / asset
- › 0.7–1mm diameter, naked-eye invisible
- › Survives heat, humidity, solvents
- › AI Micro-STR field readable
- › 26 yrs deployed in 27 OEM programmes
- › Court-admissible forensic evidence

LAYER 3 — VERIFICATION NETWORK

AA-Europe Network (Africa Extension)

- › Trained field verification operators
- › Border-post & roadside checks
- › Customs & police enforcement liaison
- › Cross-border AfCFTA recovery
- › Revenue & insurer evidence packages
- › Open investigator system

PRIORITY USE CASES

Built for Africa's Most-Faked Categories.

Alcohol & Spirits

HEADLINE

\$1B+

Excise lost annually

~40%

Illicit in some markets

100s

Methanol deaths per year

Closure-cap & label dot encoding ties every bottle to a SKU, batch and bottling plant. Field officers verify in seconds with the MSTR mobile app — giving revenue authorities a real-time excise paid / not-paid view.

Tobacco

HEADLINE

~25%

Illicit share, sub-Saharan

\$5B+

Lost excise per year

AfCFTA

Cross-border scope

Pack and carton-level dots survive heat, humidity and standard counterfeiting attacks. Each carton encodes manufacturer, intended market and excise status — border-post field reads in under 30 seconds, WHO FCTC Protocol-aligned.

Pharmaceuticals

Antimalarials, antibiotics, NCD therapies. Pack-level dot, batch-level traceability, MoH compliance.

Agri-Inputs & Seeds

Fake fertiliser, pesticides and hybrid seed devastate yields. Bag-level marking + chain of custody.

FMCG & Consumer Goods

Detergents, cooking oil, cosmetics. A forensic recall, audit and enforcement layer for brand owners.

THE PROCESS

How AFRIDOT Works

1

Register

Brand, SKU, batch and intended market registered in the ProTracs TRACS platform.

2

Mark

DTS microdots applied at line speed — pack, carton, label, closure or asset.

3

Track

Real-time movement, chain-of-custody and excise status visible to brand & authority.

4

Verify & Recover

Field officers verify in seconds; counterfeits seized, illicit channels mapped.

FORENSIC TECHNOLOGY

The Dot That Can't Be Faked.

DTS forensic microdots are engineered for hostile African supply chains — heat, humidity, dust, solvents and re-packaging attacks. Each dot encodes a unique identifier read by the MSTR AI app and recognised by partnering customs and police forces worldwide.

0.7-1.0mm

Heat & Humidity Resistant

24 Characters

10,000 per Pack

UV Adhesive

AI-Readable



Polymer-film · 24 chars · 1mm



Metallic · 17 chars · 0.7mm

OUR PARTNERS

ProTracs, DTS & AA-Europe — backing AFRIDOT for Africa.

PRO  TRACS

MAIN PARTNER

ProTracs

Ireland-based asset & supply-chain platform. Real-time tracking, incident management and revenue-grade audit trails — already deployed across European and African operations.



DTS International Group

26-year global leader in forensic microdot marking. Mandated programmes in South Africa and Taiwan; 27 OEM deployments across 4 continents.



AA-Europe

Pan-European field verification & recovery network — extending its trained-operator and law-enforcement liaison model to African brand and revenue protection.

BY THE NUMBERS

The AFRIDOT Impact

\$60B+

Annual African losses to illicit trade

85%+

Recovery uplift with AFRIDOT

10,000

Microdots per asset

26 Yrs

DTS forensic expertise

Ready to Defend Your Brand & Revenue?

Tell us about your category and we'll tailor an AFRIDOT pilot for your African market.

[Book a Demo → afridot.io](#)

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AFRIDOT

MARK. VERIFY. RECOVER.