

POLARIS

SUBSCRIBER IDENTITY. AT SCALE.

Turn registration into **trusted
subscriber identity.**

Register, verify, and protect subscribers across every channel — at national scale, fully compliant.


350M+

SIMs Registered

Proven at national scale


15+

Countries Deployed

Complex regulatory
markets

20+

Telco Experience

Built for telcos


100K+

Active Agents

Field rollout proven


Future-Ready

eSIM, digital ID, modern
fraud

— ONE PLATFORM, EVERY CHANNEL

Meet Your Customers, **Wherever They Are.**

Polaris gives operators **one identity engine, one compliance layer, and one management backend** across self-service, retail, dealer, and field-assisted registration.



CH 01

Self-Service Registration

For digital onboarding, eSIM activation, and remote subscriber verification — subscribers register themselves while the operator keeps the same verification and compliance rules.

- Same identity engine and compliance rules as every other channel
- Instant SIM & eSIM activation, fully auditable
- 16,000+ document templates, one global standard



CH 02

Agent & Dealer Registration

For retail stores, field teams, and dealer networks — giving operators full control and visibility across every distributed sales and registration channel.

- Same identity engine and rules as self-service — no exceptions
- Full visibility across agents, dealers, and retail locations
- Works online or offline, with centralised audit trail



PROOF

Same rules. Same audit trail. Same subscriber identity — across every channel.

Self-service kiosk deployments also supported for selected use cases.

— COMPLETE SUBSCRIBER LIFECYCLE

Every SIM Service. One Verified Subscriber Identity.

Polaris extends verified identity across the full SIM lifecycle — from new registration and SIM swap to number porting, ownership transfer, eSIM, updates, and activation. **One identity-backed workflow for every high-risk SIM service.**



ONE IDENTITY.
EVERY SERVICE.

**Register**

New SIM, ID-verified

**Swap**

Fraud-proof, biometric

**Port**

In & out, audited

**Transfer**Verified ownership
change**Update**

Records & packages

**Activate**

Instant provisioning

VANITY NUMBER TIERS

PLATINUM077 000 0001
premium**GOLD**077 123 4444
repeater**SILVER**077 245 8823
standard

REVENUE

Dynamic Number Allocation

Turn number allocation into a revenue and inventory advantage — with number selection, vanity tiers, automatic recycling, and blank SIM support.

- Number selection at registration
- Vanity tiers — silver, gold, platinum
- Automatic recycling of dormant numbers



ADD-ON

eSIM

Digital onboarding and remote activation — eSIM issuance and lifecycle management.

✱ Built for real-world networks — offline-first workflows and optimised sync keep agents operating in low-connectivity environments.



PROOF

One platform. One subscriber identity. **Every SIM service.**

— IDENTITY VERIFICATION

TRUST EVERY IDENTITY.

Polaris verifies the subscriber, the ID document, and the device — with risk-based assurance levels built for real telco channels.

One platform. The right level of trust for every channel, journey, and market.



-  **Face**
✓ Verified
-  **Document**
✓ Verified
-  **Fingerprint**
✓ Verified
-  **Device**
✓ Trusted

RISK-BASED VERIFICATION FOR EVERY JOURNEY

Polaris applies the right combination of verification methods based on channel, risk profile, and regulatory requirements.

LOW FRICTION**Self-Service**
Digital Channels

Instant, remote verification for subscribers who expect speed and convenience.

- ✓ 3D Face Liveness
- ✓ RealDoc Verification
- ✓ Device Intelligence

RISK LEVEL: MEDIUM**BALANCED ASSURANCE****Assisted Enrolment**
Retail & Field Agents

Verified onboarding with human assistance for higher confidence and inclusivity.

- ✓ 2D Face Liveness
- ✓ Document Verification
- ✓ Fingerprint (optional)

RISK LEVEL: HIGH**MAXIMUM ASSURANCE****High Assurance**
High-Risk Journeys

Maximum assurance for sensitive services and high-risk scenarios.

- ✓ 3D Face Liveness
- ✓ Document + NFC ePassport
- ✓ Fingerprint
- ✓ Device Signature

RISK LEVEL: VERY HIGH

OUR VERIFICATION STACK

**2D Liveness**

Fast, channel-friendly verification for high-volume flows.

**3D Liveness**

Highest assurance spoof resistance for risk-sensitive journeys.

\$600,000 spoof bounty on 3D deployments.

**RealDoc Verification**

AI-powered document authenticity, chip reading & portrait match.

**Fingerprint**

NIST-certified capture and matching for markets requiring biometric enrolment.

**Device Signature**

Detects SIM farms, emulators and cloned devices by linking registrations to trusted devices.



One identity decision — backed by face liveness, document trust, fingerprint, and device intelligence.

Stronger protection. Lower fraud. Confident compliance.

**\$600K****Spoof Bounty**

3D liveness deployments

**16,000+****ID Document Templates**

Global coverage

**ISO/NIST****Certified & Compliant**

Industry standard

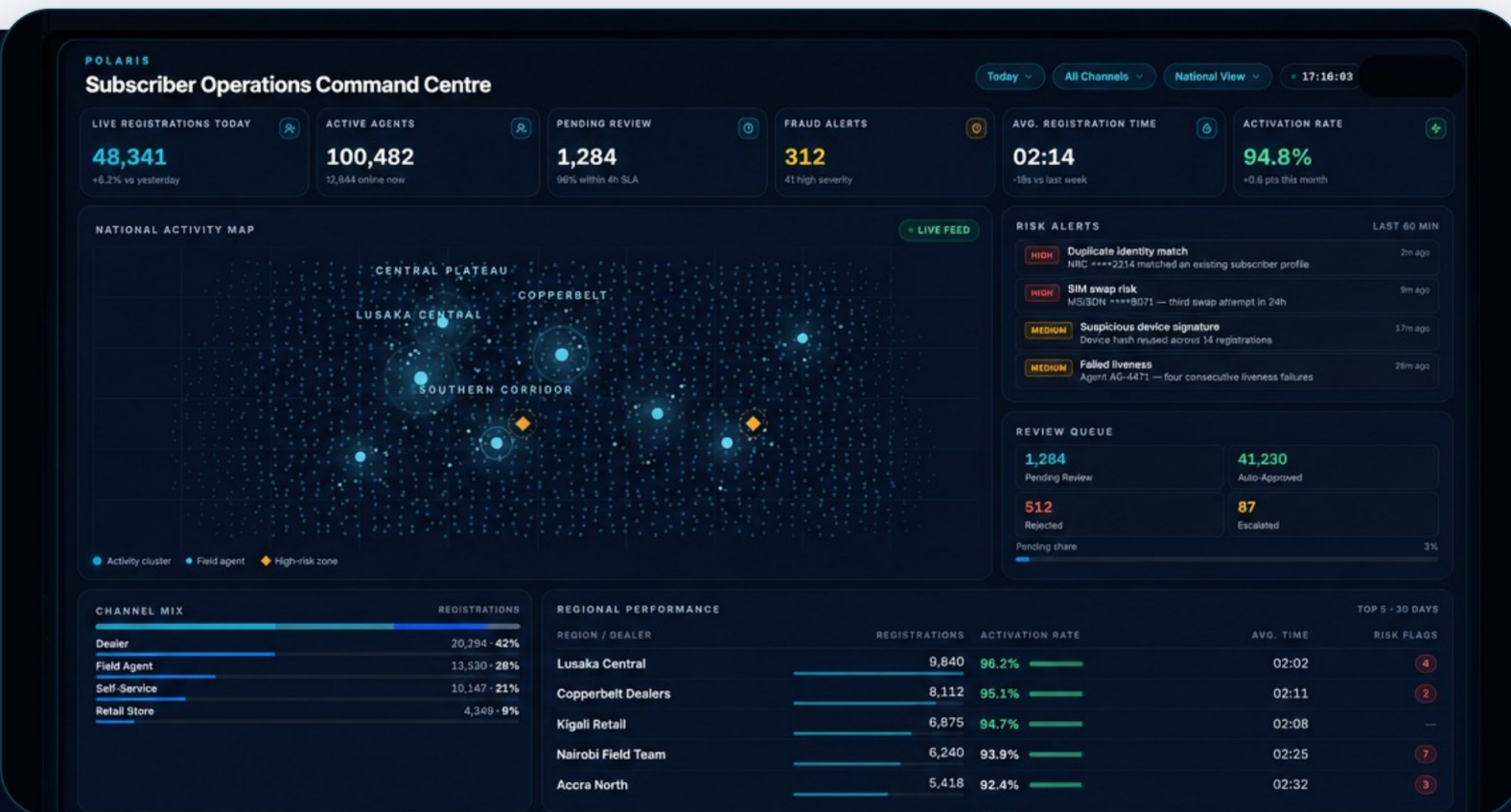
**2,100+****Attack Types Certified**

Bixelab, NIST-accredited

— REAL-TIME OPERATIONS & FRAUD CONTROL

See Everything. Stop Fraud in Real Time.

Every registration, every agent, every risk signal — visible in one command centre, flagging fraud before a SIM ever activates.



Fraud & Risk Alerts

Automated risk scoring flags duplicate identities, repeat SIM-swap attempts, reused device signatures, and failed liveness — the moment they happen, not after the fact.

- Real-time alerts scored by severity, with full audit history
- Duplicate-identity and SIM-swap-abuse detection built in



Review & Approval Queue

Registrations that don't pass automated checks route straight to a human review queue — nothing is silently auto-approved into a blind spot.

- Pending, auto-approved, rejected, and escalated — tracked live
- Configurable approval workflows per market or risk tier



Agent & Regional Performance

Live channel mix and per-region, per-dealer performance — registrations, activation rate, average time, and risk flags — so operators manage the network, not just watch it.

- Live map of agent activity and flagged high-risk zones
- Top-performing regions and dealers ranked automatically



PROOF

One dashboard. Every channel, every agent, every risk — **visible and actionable, in real time.**

 OFFLINE MODE QUEUE: 23 RECORDS SYNC PENDING

— THE APP AGENTS ACTUALLY USE

Simple to Learn. Built to Work Anywhere.

Registration doesn't stop when the signal does. Polaris's field app works fully offline, gives agents visibility into their own numbers, and takes minutes to learn — **not weeks**.



Offline & Realtime

Whether the network holds or drops, the app keeps working — real-time sync when connected, seamless offline capture when it's not.

- Local queue survives app restarts and device reboots; retries automatically until it succeeds
- Real-time updates the moment connectivity is available — no waiting for a scheduled sync window



Agent Feedback & Reports

Agents see their own numbers in the app — registrations, approval status, earnings, and active leads — not buried in a dashboard they never see.

- Real-time earnings and commission tracking, visible the moment a sale counts
- Incident tickets and team notifications live in the same screen



Ease of Use

A guided, step-by-step flow that takes minutes to learn, on the same screen whether it's a COMET device or a basic Android phone.

- Guided prompts at every step — no separate training manual required
- Same flow across every device tier, from entry-level Android to COMET 60



PROOF

If an agent can use a smartphone, **they can use Polaris.**

— SYSTEM GOVERNANCE & CONTROL

Every Action, Accountable.

Six ways Polaris keeps the platform provable — who did what, why a registration passed or failed, and how every system talks to the ones around it.



Roles & Permissions

Every user, tenant, and action is scoped — MNO and National ID operators work in separate spaces, and nobody sees or touches data outside their mandate.

- Granular permission model down to individual actions (approve, edit, delete)
- Entity-scoped access — a network operator's admin never sees another tenant's subscribers

Regulators needing a standalone, cross-operator verification system should ask about MSVS — Axon's separate Mobile Subscriber Verification System.



Full Audit Trail

Every action — login, edit, approval, export — is logged with who, what, and when, so nothing is silently overwritten.

- Immutable audit log across every module, exportable for compliance review
- Field-level change tracking on registrant records, not just top-level events



Reporting

Every metric that matters is exportable and schedulable — not locked inside a dashboard only ops can see.

- Configurable reports across registrations, approvals, agents, and compliance — export to CSV/PDF or schedule for delivery
- Built for regulators and executives, not just operators — the same data, sliced for whoever needs it



Configurable Approval

Auto-approval rules are entirely configurable per market or risk tier — operators decide exactly which checks must pass, and by how much, before a registration clears itself.

- Per-signal thresholds (face match, liveness, document authenticity) tuned without code changes
- Record locking means two reviewers can never double-decide the same case



Transparent Scoring

Every decision shows its reasoning — real percentage scores per check, not a black-box pass/fail — so reviewers and auditors both trust the outcome.

- Named, scored signals (Face Match 92%, Liveness 88%...) replace opaque rule codes
- Full verification history — compare any new capture against the original enrolment



Open Integrations

Polaris plugs into the vendors already doing the work — biometric matching, AML/PEP screening, document forensics — with live status and swappable providers.

- Real-time connection health and success-rate monitoring per integration
- Vendor-agnostic architecture — swap providers without touching the core platform



PROOF

One governed platform — every action logged, every decision explained, every integration accounted for.

SECURITY & DATA PROTECTION

Security by Design.

From architecture to deployment, Polaris is engineered to protect identities, data and transactions — with enterprise-grade security built into every layer.



Multi-Layered Authentication

Every login is verified beyond a password — device and browser signals, multiple authentication factors, and real-time alerts on anything that looks wrong.

- Device ID and browser fingerprinting flag logins from unrecognised hardware; OTP and multi-modal login add a second factor beyond the password
- Security Alert Centre surfaces suspicious activity in real time; strict controls gate any change to system settings



Encrypted at Rest

Biometric captures and sensitive credentials aren't stored as plain files — they're encrypted before they ever touch disk, with standard key management and HSM support available for operators who require it.

- Face, fingerprint, and document images encrypted at rest, decrypted only on authorized access
- Sensitive configuration (e.g. mail credentials) encrypted the same way, never stored in the clear



Anti-Fraud Identity Verification

Every enrolment is checked against the person presenting it, not just the document they hand over.

- Liveness detection and face-match scoring catch spoofed photos and stale captures
- Document forensics detect photocopies and screen-replay attacks; 1:N matching stops re-registration under a new identity



Compliance Screening Built In

Every submission is automatically screened against AML, PEP, Interpol, and adverse-media watchlists — not a manual step someone can forget.

- Screening runs on every registration, results attached directly to the review record
- Hits and warnings surface prominently to the reviewer, never buried in a log



Segregation of Duties

Once a reviewer opens a record to decide it, nobody else can approve, reject, or change it out from under them.

- Record-level locking with automatic timeout — no two people can ever double-decide the same case
- Every approve/reject is tied to the individual who made the call, permanently



Data Masking & Privacy Controls

Sensitive personal information can be selectively masked across the system, independent of who's allowed to view the underlying record.

- Configurable per data field, not all-or-nothing
- Viewing and changing masking rules are separately permissioned



PROOF

Encrypted, screened, and provable — **built to pass the security review, not just the demo.**



— THE COMET RANGE



Purpose-Built Hardware for High-Volume Enrolment.

Polaris runs natively on Axon's COMET biometric devices — ruggedised Android hardware with integrated fingerprint, camera, card reader, and barcode scanner. **One workflow, on the device that fits your rollout.**

MODEL	FINGERPRINT	FORM FACTOR	HIGHLIGHTS
COMET 10	FAP20/30	Handheld	Cost-effective, quad-core CPU
COMET M1	FAP30	Handheld	Octa-core (2.2GHz), IP67, optional iris + MRZ/UV
COMET 20	FAP20	Tablet	Octa-core performance, IP65 rugged
COMET 30	FAP30	Tablet	Octa-core, enhanced fingerprint accuracy, IP65
COMET 60	FAP60	Desktop	On-board printer + document scanner
COMET 60 H	FAP60	Tablet	Lightweight (1.33 kg), IP65 rugged

EVERY COMET INCLUDES

Fingerprint

NIST-certified with fake-finger detection

Face Capture

Front & rear camera on every model

Card Reading

*Optional — contact & contactless smart-card

Barcode

*Optional — laser scanning for SIM pack processing

Connectivity

4G • WiFi • Bluetooth • GPS • Dual SIM

Power

5,000–10,000 mAh battery, DC & USB charging

MDM-Ready

Remote fleet management

Offline

Full offline operation with auto-sync



Bring Your Own Device — Supported

Polaris runs natively on the Android phones and tablets operators already issue to agents — **no forced hardware refresh to go live**. COMET is recommended where fingerprint, card-reading, or barcode-scanning requirements call for it, for faster and more accurate enrolment.



OUTCOME

One ruggedised device — capture, verify, and provision, **even fully offline in the field.**



— WHY AXON

Proven Where It Matters.

Since 2005, Axon has delivered identity and enrolment platforms for tier-1 operators, with deployments across Africa, the Middle East, and Asia.

350M+

SIMS REGISTERED

15+

COUNTRIES DEPLOYED

100K+

ACTIVE AGENTS

3M+

REGISTRATIONS / MONTH

TELCO SOLUTIONS TRUSTED BY



WHY POLARIS — EVERYTHING YOU JUST SAW

- ✓ **Omni-Channel** — one platform for online, agent & in-store
- ✓ **Risk-Based Verification** — the right level of trust for every channel
- ✓ **Offline & Realtime** — keeps working, network or no network
- ✓ **Enterprise-Grade Security** — encrypted, access-controlled, audit-ready
- ✓ **Unified SIM Lifecycle** — one verified identity, compliant with GSMA & national mandates
- ✓ **Real-Time Fraud Control** — every risk signal visible in one command centre
- ✓ **Full Accountability** — every action logged, every decision explained
- ✓ **Hardware-Agnostic** — BYOD supported, COMET where accuracy counts



Axon — Trusted Identity. At Scale.

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