

Mobility intelligence that keeps the evidence

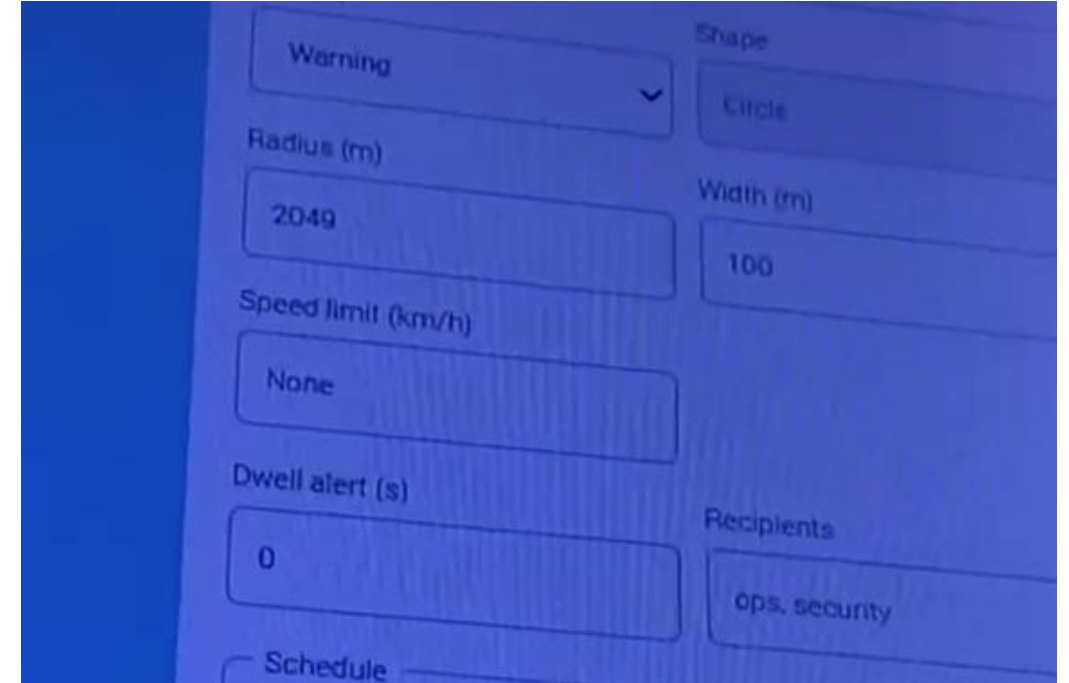
Offline-first edge devices, operational policy and verifiable incident records for African fleets.

Investor package | R3.5m for a 50-unit field validation + three anchor pilot partners

www.phepha.org.za

02:17 - a vehicle leaves its authorised corridor under weak signal

- 1** The edge unit identifies the driver and evaluates the geofence locally. It does not wait for cloud coverage.
- 2** The event, GNSS quality and camera context are written to the local queue; a compact alert uses whichever link is available.
- 3** Operations sees a policy breach and evidence timeline. The clip uploads when bandwidth returns, preserving what happened before and after.



ILLUSTRATIVE WORKFLOW | PROTOTYPE SCREEN FROM SUBMITTED DEMO

826k

truck, bus and minibus reference base

R198.3bn

estimated 2025 crash cost

1.12m

transport jobs, Q2 2025

Phepha makes operational truth survive the journey

The differentiation is the system assembled around the tracker, not the tracker itself.

CONTINUE

Work offline

Camera, GNSS, identity, policy and event capture keep running when 4G disappears.

CONNECT

Link the evidence

Driver, vehicle, location, policy version, clip and alert acknowledgement belong to one record.

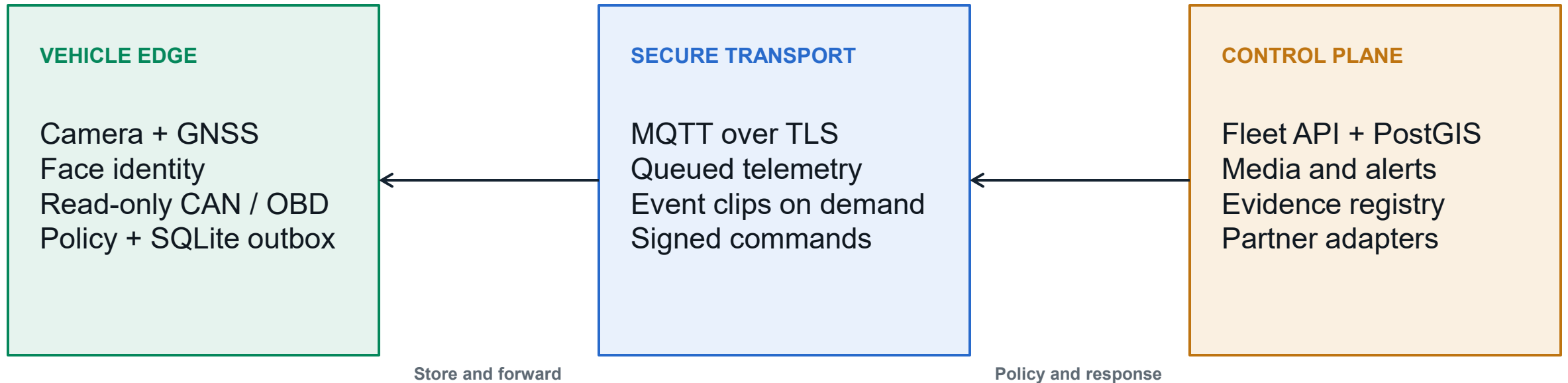
CONTROL

Keep data portable

Open schemas, exports and customer-owned policies reduce lock-in and support sector workflows.

One edge unit connects vehicle, driver, place and policy

A secure edge-to-control-plane contract keeps the vehicle useful without exposing the Pi to the public internet.



Safety boundary: no raw CAN write, remote fuel cut or moving-vehicle immobilisation in the pilot.

The core edge workflow already runs on Raspberry Pi

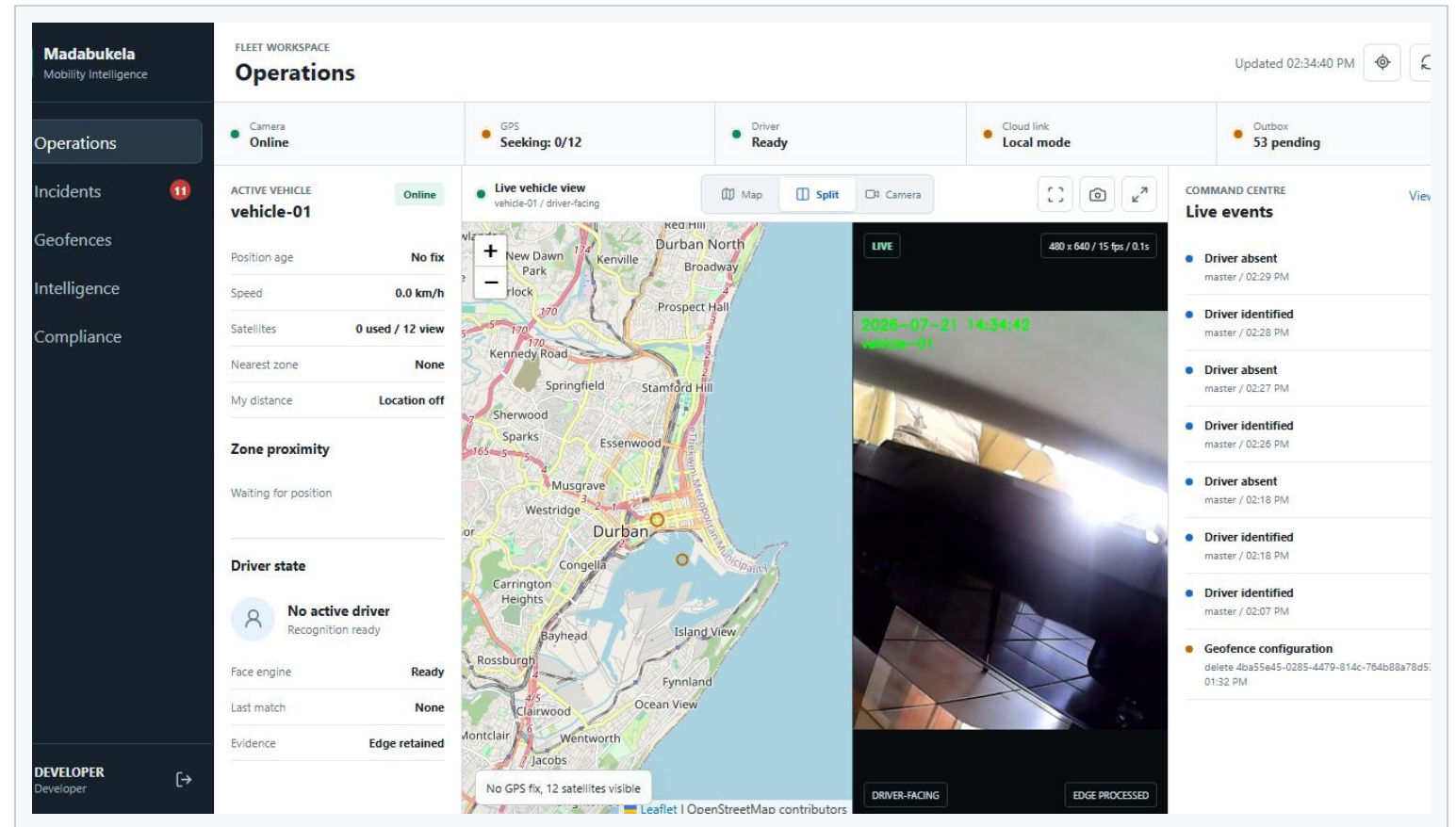
Bench prototype

Operations in one view

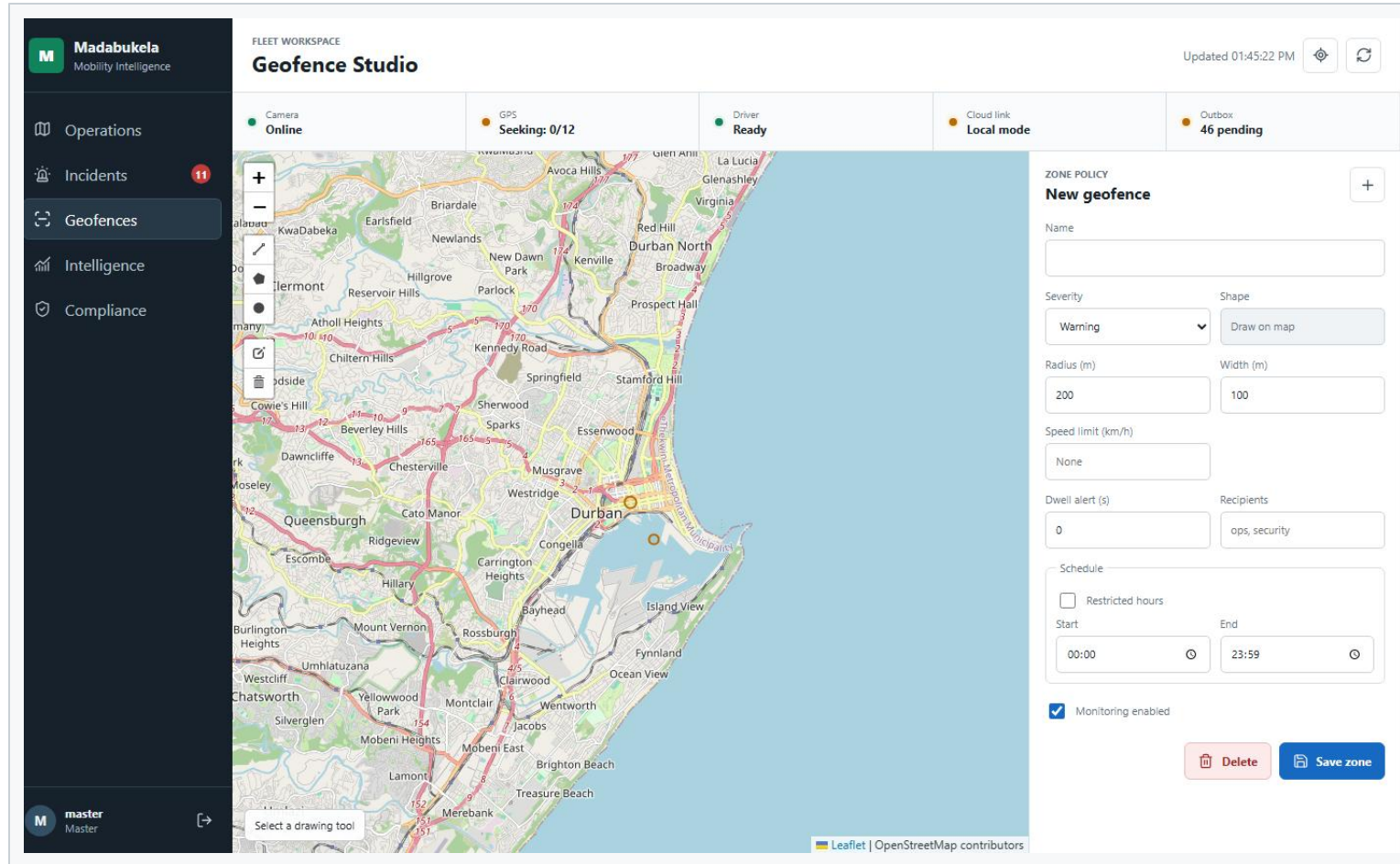
- Live driver camera and face identity
- GNSS quality, route trail and distance
- Local outbox survives a cloud outage
- Responsive authenticated workspace

BUILT

Cloud MQTT, public fleet access and production alert providers remain deployment work.



Geofences become enforceable operating policy



Beyond a boundary

- Circles, polygons and route corridors
- Speed, dwell, schedule and severity
- Ordered recipients and escalation
- Versioned activation and audit trail

Policy can be replayed against historical GNSS data before it is activated.

Incidents become verifiable dossiers, not scattered files

Each event can retain its actor, time, device, previous hash and proof, then export a signed dossier for independent verification.

Geofences

Intelligence

Compliance

EVENT CUSTODY

Evidence register

Chain verified

TIME	EVENT	CUSTODY	PROOF	
7/21/2026, 3:32:59 PM	Evidence dossier exported #62 / vehicle-01	Local outbox	c1256cc58763	
7/21/2026, 3:30:21 PM	Driver absent #61 / master	Local outbox	7b76b9f7d5f9	
7/21/2026, 3:29:43 PM	Driver identified #60 / master	Local outbox	92b3c610beba	
7/21/2026, 3:27:39 PM	Evidence dossier exported #59 / vehicle-01	Local outbox	1576c416a631	
7/21/2026, 3:27:39 PM	Queue diagnostic #58 / manual queue test	Local outbox	e8dd55e418db	
7/21/2026, 3:27:39 PM	Queue diagnostic #57 / manual queue test	Local outbox	34dd8c836df8	
7/21/2026, 3:27:39 PM	Geofence configuration #56 / delete 803e521a-0e3a-4424-8160-dab4507204cd	Local outbox	117685980783	

RECORD INSPECTOR

#62 / Evidence dossier exported

Hash verified

Captured

7/21/2026, 3:32:59 PM

Custody

Local outbox

Event hash

c1256cc587634e43ed63c6a23c06532cf3d3705a4329426b80b06cb72b8915d8

Previous hash

7b76b9f7d5f9f5ff985b45349810d7c51e03191a5666df15a7534949755121b4

Event payload

```
{
  "actor": "DEVELOPER",
  "event_id": 61,
  "role": "developer",
  "source_ip": "192.168.0.109"
}
```

BUILT

Software-held Ed25519 key today; hardware-backed attestation is a future hardening step.

Three packages share one evidence and operations platform

PHEPHA CONNECT

R1,999 + R149/mo

- GNSS, trips and dwell
- Geofence policy
- Offline event queue
- Optional corridor telemetry

PHEPHA PROTECT

R6,999 + R499/mo

- Everything in Connect
- Camera evidence
- Local driver verification
- Event clips and alerts

PHEPHA COMMAND

R8,999 + R699/mo

- Everything in Protect
- Read-only CAN / OBD
- Fuel and maintenance insight
- No actuation in pilot

Included platform layer

Operations workspace | evidence registry | alerts and acknowledgement | APIs and exports | support and release governance

A modular hardware path keeps the entry price within reach

PHEPHA CONNECT

R1,999 + R149/mo

Entry-package pricing hypothesis. The current Raspberry Pi prototype proves the workflow; a production device must reduce cost, power draw and installation time.

- GNSS, protected power and device identity
- Offline event queue and signed software
- Optional low-bandwidth corridor radio

Planning threshold: pilot BOM R2,450; target production BOM R1,250. Supplier quotations and automotive qualification are funding gates.

CONCEPT RENDER - FINAL INDUSTRIAL DESIGN AND CONNECTORS SUBJECT TO ENGINEERING

Start where failure is expensive and connectivity is imperfect

LOGISTICS

Route and dwell control

Proof of delivery
Driver identity
Exception evidence

MINING

Restricted-zone policy

Vehicle proximity
Shift evidence
Weak-link operation

SECURITY

Event-led response

Tamper alerts
Live-on-demand video
Custody records

INSURANCE

Claims-grade context

Verified timeline
Policy compliance
Exportable dossier

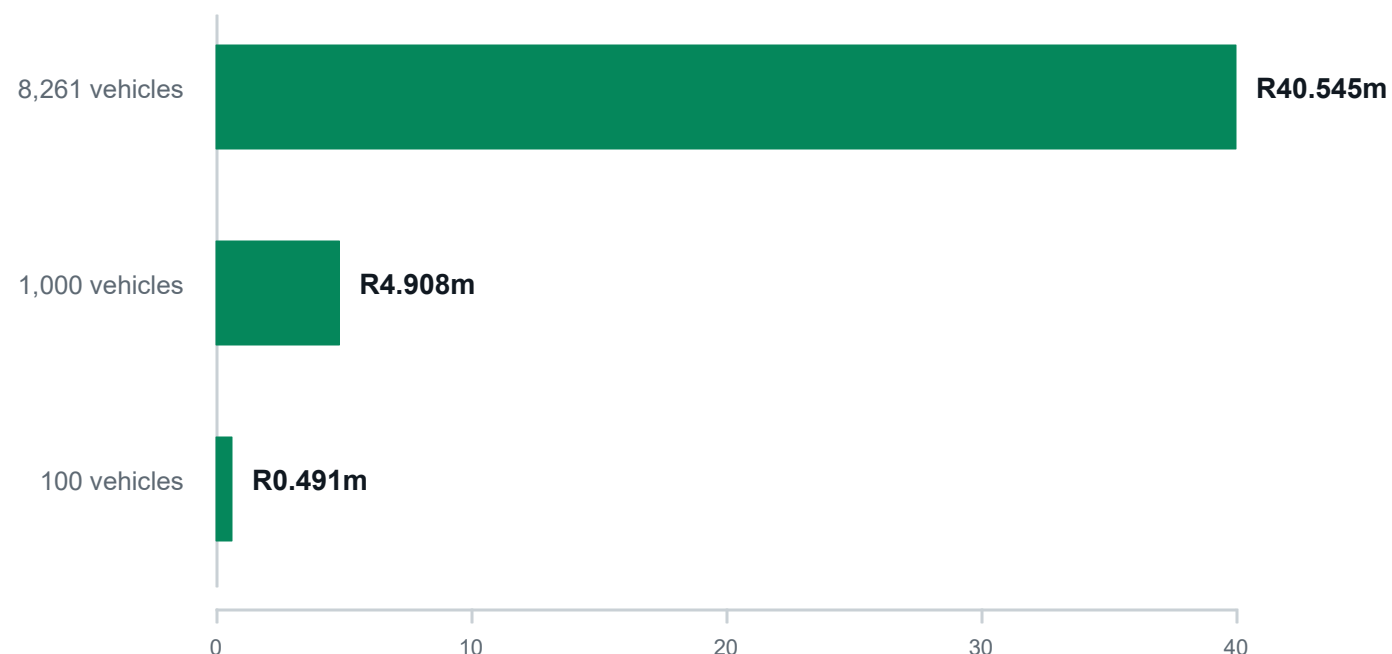
Beachhead motion

Paid 10-vehicle proof -> 50-unit multi-sector validation -> insurer/recovery and installer partnerships

Revenue compounds across devices, subscriptions and services

Illustrative recurring revenue at R409 blended monthly revenue per active vehicle

Annual recurring revenue (R million)



HARDWARE

Upfront device / add-on

Target positive margin after landed cost, warranty and install

SUBSCRIPTION

Per vehicle / month

Operations, evidence retention, alerts and policy

SERVICES

Setup and enterprise

Installation, integrations, analytics and response partnerships

Scenario, not forecast: 8,261 vehicles equals 1% of 2025 truck, bus and minibus registrations.

Incumbents define the baseline; Phepha must win on measured outcomes

Capability	Incumbent baseline	Phepha response
Tracking + geofences	Standard and mature	Required baseline plus offline policy
Camera + driver analytics	Already sold at scale	Event-first video and local identity
Recovery + 24/7 bureau	Major local advantage	Partner capability, not a software claim
Fuel, CAN + maintenance	Expected fleet breadth	Read-only capability packs, validated per vehicle
Evidence + integrations	Available but often fragmented	Linked dossier, open schemas and exportability

Do not claim 'better than Netstar, Cartrack or Tracker' until a comparative field pilot proves specific metrics.

Safety and privacy are release gates, not marketing language

POPIA Purpose, minimisation, retention, access audit and biometric governance

ICASA Type approval path for radio and telecommunications equipment

VESA / ABS Independent product and installation approval before security claims

AUTOMOTIVE SAFETY Hazard analysis and ISO 26262-informed lifecycle for any actuation

Pilot rule: passive CAN only. No moving-vehicle immobilisation, automatic braking, emergency claim or disciplinary automation.

Fifteen months converts the prototype into field evidence

0-3 MONTHS

4-6 MONTHS

7-11 MONTHS

12-15 MONTHS



Industrialise

Cloud MVP, threat model,
protected power, device identity
and test fixtures

Prove 10 units

Bench plus controlled-route
reliability, GNSS, camera, queue
and evidence tests

Validate 50 units

Mixed network conditions,
installer pack, support runbooks
and cost telemetry

Convert to paid

Three anchor customers,
compliance route, channel
partners and renewal metrics

Release targets: 24-hour offline replay with no event loss; bounded queues; <350 MB app RSS; <75 C sustained; independent dossier verification.

Local value compounds beyond the device

Proposed 2027 planning targets - to be measured, independently reviewed and never presented as guaranteed outcomes

6

direct payroll-backed jobs

4

installer / channel livelihoods

10

youth technical placements

1ST	Direct deployment	Local assembly, field installation, support and fleet visibility
2ND	Operational spillover	Less manual reconciliation, faster incident review and supplier income
3RD	Institutional spillover	Better insurer, mine, school-transport and logistics evidence workflows
4TH	Ecosystem capability	Exportable African IoT skill, standards, supplier learning and tax base

Measurement rule: baseline each pilot, separate direct from induced effects, avoid double counting and disclose the counterfactual.

A registered, locally rooted team with a working prototype

SAICTS (PTY) LTD

2024/170173/07

CSD MAAA1478550

100% Black-owned and youth-owned

34% Black female ownership

Disability-inclusive ownership

www.saicts.co.za

FOUNDING TEAM

Olwethu U. Masiza

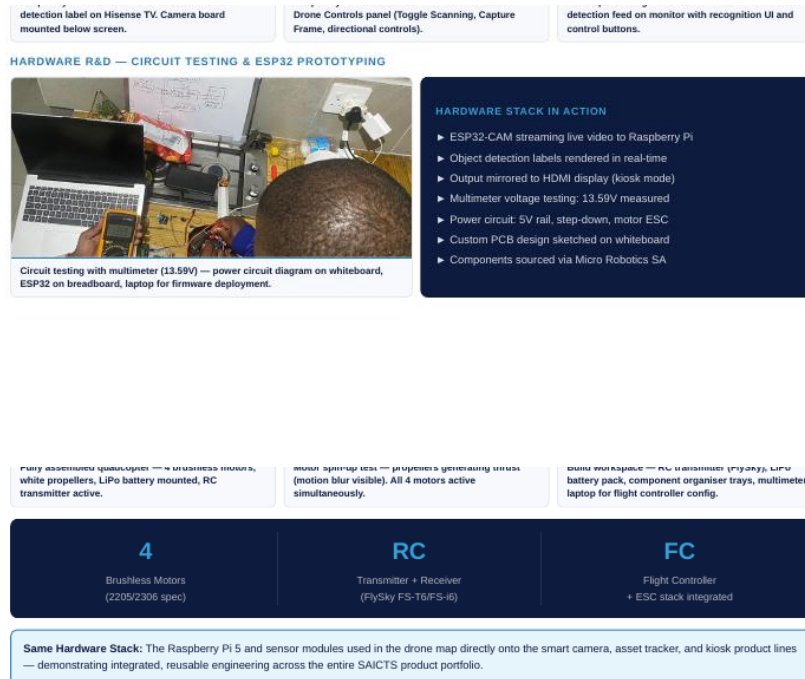
Chief Executive Officer

Samkelo S. Mngoma

COO & Technology Lead | Business Management
NQF 4 | N5 Management Assistant | former TVET
student leader and SATVETSA contributor

Mkhuseli M. Diya

CFO & Project Lead

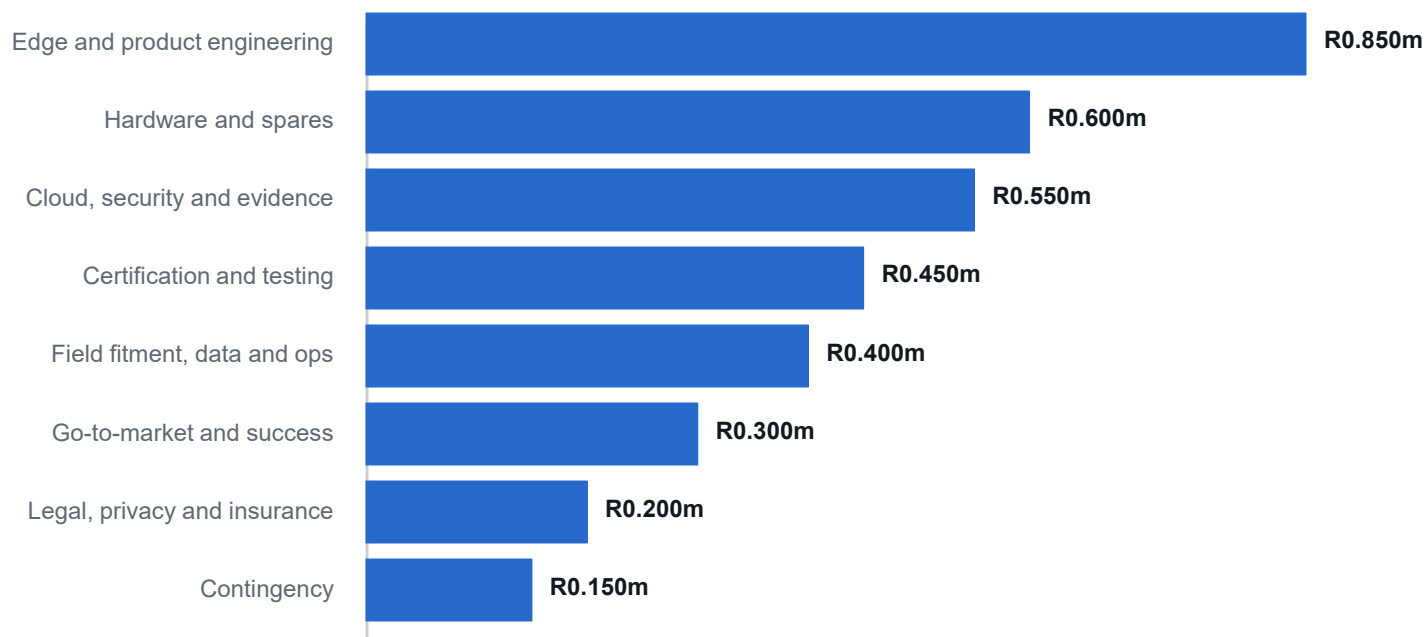


Diligence gate: renew the B-BBEE certificate (expired 15 April 2026) and evidence any company-level ISO claim before submission.

R3.5m funds the de-risking milestones investors need

Preferred structure: blended non-dilutive, strategic and risk capital released against evidence gates.

Budget allocation (R million)



What this capital buys

- 50 commissioned field units
- Three anchor pilot partners
- Production BOM and certification route
- Measured unit economics and reliability
- Investment-ready data room

Total: R3.500m

Match the capital source to the risk being removed

TIA

Prototype, certification and field demonstration

Strong public innovation fit

SEDFA

Integrated SME finance, support and market access

Public SME route

PRIVATE CAPITAL

Mobility, impact and enterprise technology funds

After paid-pilot evidence

Application sequence: secure pilot letters -> package compliance evidence -> submit TIA/SEDFA/NEF routes -> close matched private capital.

NEF

Black-owned entrepreneurship and expansion finance

Subject to product and repayment fit

INDUSTRY MATCHING

Supplier, mine, insurer or logistics co-funding

Pairs capital with domain access

ANCHOR CUSTOMERS

Paid pilots, ESD and rollout commitments

Strongest validation signal

The next proof is a paid, independently measured fleet pilot.

Seeking

R3.5m hybrid funding

Three anchor pilot partners

**Automotive, privacy and
response partners**

Capability maturity: built, next and partner-gated

BUILT IN EDGE PROTOTYPE

- Camera + GNSS status
- Face identity
- Geofence Studio
- Policy revisions + replay
- SQLite store-and-forward
- Signed evidence dossier
- Read-only vehicle gateway

FUNDED NEXT

- TLS MQTT control plane
- Public multi-tenant workspace
- Media ingest + event clips
- Notification acknowledgement
- Per-device certificates
- OTA canary + rollback
- 50-unit field validation

PARTNER / REGULATED

- 24/7 response bureau
- Official identity verification
- Insurance-grade certification
- VESA security approval
- Vehicle actuation
- Emergency calling
- Government interfaces

Partner-gated means Phepha integrates an authorised provider or certified installer; it does not simulate authority.

Package economics require disciplined product boundaries

OFFER	COST ASSUMPTION	PRICE POSITION	INVESTOR INTERPRETATION
Phepha Connect	Pilot BOM R2,450	R1,999 + R149/mo	Year-one contribution R917; target BOM R1,250
Phepha Protect	Pilot BOM R6,200	R6,999 + R499/mo	Year-one contribution R4,987 before overhead
Phepha Command	Pilot BOM R7,800	R8,999 + R699/mo	Read-only CAN/OBD; year-one contribution R7,187
Blended base	40% / 35% / 25% mix	R409 monthly ARPV	Validate mix, churn, data, install and support cost

Margin improves through production design, volume procurement and lower installation time - not by treating the Raspberry Pi prototype as final hardware.

Before circulation, complete the evidence investors will request

CORPORATE

- CIPC and cap table
- Renewed B-BBEE evidence
- IP ownership assignments
- Restricted tax and banking proof

COMMERCIAL

- Three paid-pilot LOIs
- Pricing and ROI baselines
- Reference permissions
- Channel and installer plan

TECHNICAL

- Architecture and threat model
- Reliability and known limits
- Supplier quotations
- Signed release and rollback

GOVERNANCE

- POPIA data map and DPIA
- Vehicle-safety hazard log
- Insurance and contracts
- ISO claim evidence or removal

Public materials stay sanitised. Tax PINs, address proof, identity documents, credentials and customer-confidential evidence remain in restricted diligence only.