



adevAir Technologies
Developing Intelligence To Achieve Excellence

Securio

THE MISSING LAYER BETWEEN YOU AND THE AIR YOU BREATHE

An Environmental Intelligence Wearable — sensing your environment and your body, in real time.



From wearable to infrastructure — building the world's largest real-time environmental intelligence network.



THE PROBLEM

The market is dangerously fragmented

Every existing solution solves one piece. Nobody protects the whole person.



The Health Gap

- Smartwatches track vitals but ignore the air acting on the body
- Masks filter air but add zero health context
- Nothing connects what you breathe to how your body reacts
- Poor posture cuts lung capacity ~30% — while you breathe toxic air



The Safety Gap

- Physical safety is disconnected from wearables
- Emergency SOS depends on a phone — which fails when seconds matter
- No hands-free alert exists in any current wearable



The Data Gap

- Environmental data relies on static sensors — ~1 per 10 sq km
- Hyper-local, street-level truth is missing
- Standard wearables monetize personal biological data — blocking enterprise adoption

The result: billions navigate invisible threats with no unified system to protect them.



THE SCALE

The air is the world's #2 health risk.

The one exposure no one escapes — and almost no one can measure their own.



THE TOLL

8.1M

premature deaths every year

More than HIV, malaria & TB combined.

State of Global Air 2024



THE SHARE

1 in 8

deaths worldwide linked to the air

Now climbing past tobacco.

State of Global Air 2024



THE THEFT

3.5 yrs

cut from the average Indian's life

More than smoking takes.

AQLI 2025 · EPIC, U. Chicago



THE YOUNGEST

709K

children under 5, lost every year

Their #2 killer, after hunger.

State of Global Air 2024



WHY NOW

Four forces are converging at the same moment.

The technology, the market, and the mandate have all arrived together.



AQI at historic highs

Air quality is deteriorating across every major metro globally — exposure is now a daily, universal risk.



Wearables adoption surging

~10% CAGR. The body is now an accepted sensor surface — consumers expect to wear intelligence.



Smart-city mandates active

Governments are funding hyper-local environmental monitoring at street resolution.



The IP window is open

No incumbent unifies environment + body + safety + network. The category is still unclaimed.

This window does not stay open. The first to unify the category sets the standard everyone else licenses.

THE SOLUTION

SECURIO - an Environmental Intelligence Wearable.

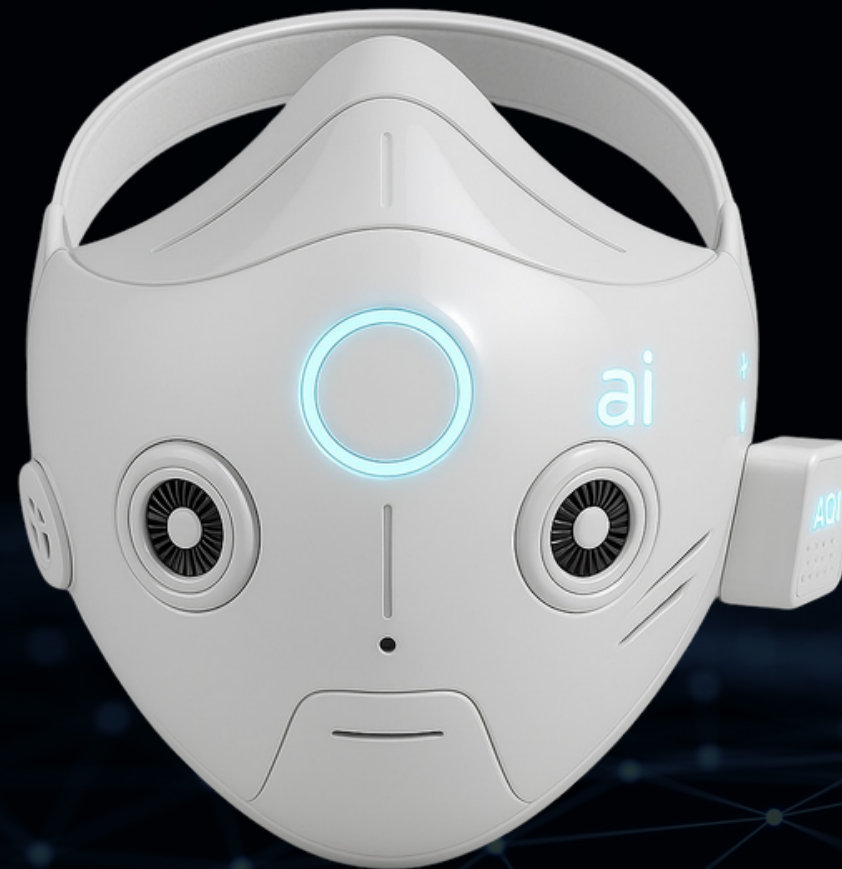
Two dimensions. One wearable. It senses your environment and your body — and turns every device into a data node.



ENVIRONMENTAL

What the world is doing to you

- Real-time AQI at the body
- PM1 / PM2.5 / PM10 particulate sensing
- CO & NO₂ gas tracking
- Hyper-local pollution mapping



BIOLOGICAL

How your body is responding

- Skin-temperature & heat-stroke risk
- Posture AI — continuous correction
- Hands-free gesture SOS
- Personal exposure, contextualised

FIVE INTEGRATED LAYERS



AQI Sensor



AURA Core Filter



Posture AI



Hands-Free SOS



Data Node



WHO IT'S FOR

Securio is for anyone the air acts on.

Every one of us breathed unsafe air on the way here today — and none of us could see how much.

01

The daily rider

Open to the road for hours —
the highest, most direct
exposure.

02

The outdoor worker

Construction, traffic, delivery —
a full shift in the worst air.

03

The commuter

Buses, autos, open windows —
exposure they never chose.

04

The vulnerable

Children, elderly, the unwell —
least able to absorb the hit.

If you breathe city air, Securio is for you. The only question is how much you're taking in — and now you can see it.



PROOF — FIELD VALIDATION



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We didn't model this. We measured it — 104,157 times.

Two months of continuous, real-world field validation across live Bengaluru commutes (Apr 14 – Jun 10, 2026).

104,157+

validated sensor readings

$R^2 = 0.9958$

Min-AQI correlation (Max $R^2 = 0.9975$)

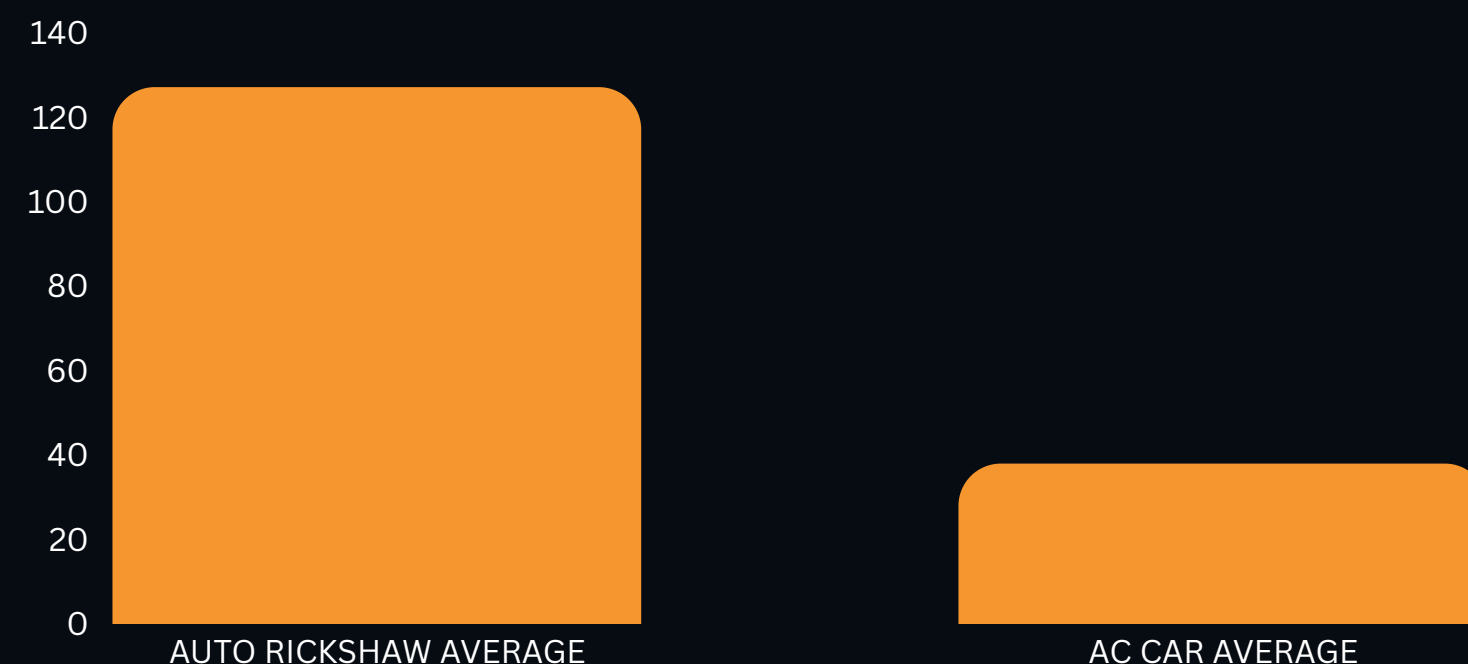
3.4×

worse than ambient AQI (127.0 vs 37.8)

$p \approx 9.36e^{-56}$

significance · Cohen's $d = 1.29$

PERSONAL EXPOSURE vs AMBIENT AQI



The same minute. The same city. One number is the app. The other is what you actually breathe.

102,394 continuous deduplicated AQI readings + 1,763 geo-tagged Journey Pins · 27 commute sessions · PM_{2.5}-AQI $R^2 = 0.9083$ · peak AQI 412 at HSR Layout

The earned secret: the air a person actually breathes is 3.4× worse than the AQI app claims — because ambient monitoring is one sensor per 10 sq km, and no one is standing next to it. Securio is.



SAME ROUTE, TWO REALITIES



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The auto breathes 3× the car.

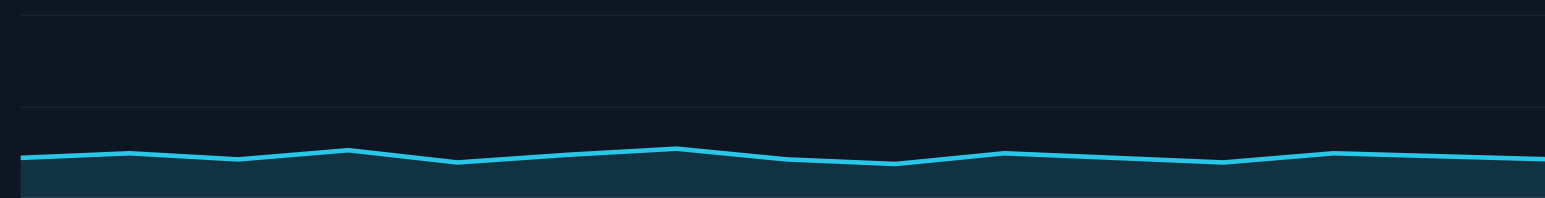
Two real Securio commutes on the same Bengaluru route — one open auto-rickshaw, one sealed AC car. Real measurements, not models.

Closed AC car

sealed cabin

39

avg · peak 44



start

end

Open auto-rickshaw

real-world commute

121

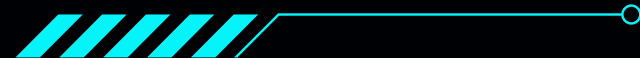
avg · peak 342



start

end

Open auto avg 121 vs closed car avg 39 — 3× the exposure, same street. Where you sit decides what your body absorbs.



TRACTION

The market is already pulling

500+ people found Securio with zero marketing. They waited. That's the signal.

500+

organic waitlist · ₹0 marketing

₹1.3 Cr

founder-funded · skin in the game

3 Cities

field-validated: Bengaluru · Pune · Delhi

1,000

B2B pilot units in active discussion

Featured in: News18 · Deccan Herald · Startuppedia · Circuit Digest

Technical risk

DE-RISKED

Working MVP tested across 3 metros in real pollution conditions

Product risk

DE-RISKED

AURA Core finalised · design locked · PCB locked · iOS + Android tested

Supply chain

CONTROLLED

Tier-1 vendors contracted for PCB, logistics and tooling

Market risk

DE-RISKING

500+ organic waitlist · media coverage · active B2B pipeline

Pilot start Sept 2026 (1,000 units) · DaaS API Feb 2027 · Series A trigger Q2/Q3 2027



COMPETITIVE LANDSCAPE

Securio occupies uncontested territory

No existing product unifies environmental intelligence, biological context, active protection, and a data network in one system.

Capability	Smartwatches	Passive Mask	AQI Apps	SECURIO
Real-time AQI at body	✗	Limited	✗	✓
Active air filtration	✗	✓	✗	✓
Personal health context	✓	✗	✗	✓
Hands-free SOS	Partial	✗	✗	✓
Posture correction	✗	✗	✗	✓
Street-level data network	✗	✗	Limited	✓
Privacy-first DaaS	✗	✗	✗	✓

Securio doesn't compete in an existing category. **It creates one: Environmental Intelligence.**



THE MARGIN ENGINE

AURA Core Filter — hardware sells once, filters sell forever.

The razor-blade model: predictable, recurring, high-margin revenue from every device in the field.

300+ Hours

Dynamic filter life per unit

3–4× / Year

Predictable replacement cycles

70–80%

Gross margin on every refill

FIVE-LAYER NANOFILTECH STACK



Particulate Matter (PM1 / 2.5 / 10)



Microscopic particles



Volatile organic compounds



Allergens (pollen, dust mites)



Moisture absorption



Why it compounds

Installed base expands → recurring revenue compounds → platform value deepens → LTV rises → CAC falls. Assembled in-house at our HSR Layout facility; media sourced from a vetted Tier-1 supplier.

Smart Filter Load Index (FLI = AQI × usage hours): the app predicts each cartridge's life and triggers frictionless reorder.



BUSINESS MODEL

Three engines. Margin compounds with scale.

Hardware sells once. Filters sell forever. Data sells infinitely.

Hardware

Phase 1

ACQUISITION ENGINE

55–66%

gross margin

₹9,999 India / ₹24,999 intl.

Expands the installed base

Drives filter-subscription adoption

AURA Core Filter

Phase 1–2

RECURRING ENGINE

70–80%

gross margin

3–4 replacements / user / year

App-tracked, frictionless reorder

Predictable ARR per unit sold

DaaS Platform

Phase 2–3

EXPONENTIAL ENGINE

90%+

gross margin

API: maps, insurance, smart cities

Zero marginal cost to serve

Anonymised, privacy-first by design



THE MOAT

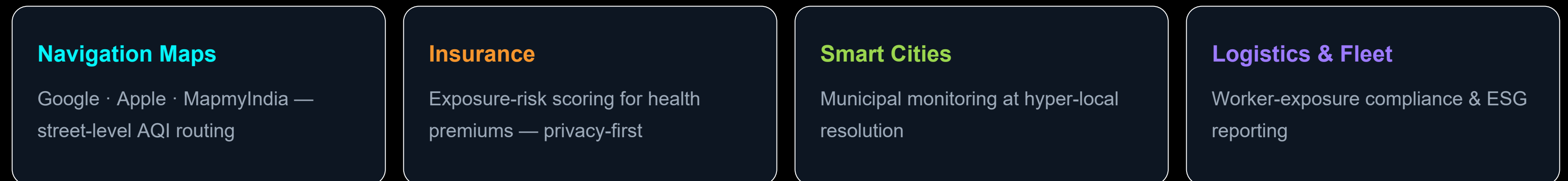
DaaS Platform — every device becomes a data node.

Adoption creates data. Data creates intelligence. Intelligence becomes the moat.



PRIVACY FIRST: we store anonymised environmental data only. No personal health data. No user identity. That is the competitive advantage for enterprise.

ENTERPRISE USE CASES — API ACTIVATES Q1 2027





UNIT ECONOMICS

Profitable at every scale. Exceptional by any standard.

Hardware margin holds even before recurring filter and DaaS revenue is counted.

Product	Market	ASP	COGS @10K	HW Margin	LTV : CAC
Generation 1	India	₹9,999	₹4,200	58%	10.8×
Generation 2	International	₹24,999	₹4,200	83%	~13×
Generation 2	India	₹16,999	₹7,500	56%	~12×
Generation 2	International	₹34,999	₹7,500	79%	~15×



LTV:CAC of 10–15× is exceptional even by SaaS standards.
Healthy SaaS targets 3×. Securio pairs hardware margin with recurring subscription.



First 1,000 units = ₹0 CAC.
Served by the 500+ organic waitlist. 10,000 units achievable within 6 months post-launch.



MARKET OPPORTUNITY

A \$150B+ market with a \$50B serviceable slice.

Three converging markets — and Securio sits at the intersection of all three.

Anti-pollution mask market

by 2030 · 24.2% CAGR

\$56.8B

Global wearables market

by 2028 · ~10% CAGR

\$150B

Hyper-local environmental data

by 2030 · ~12% CAGR

\$12B

OUR SERVICEABLE MARKET — BOTTOM-UP

Target audience 250M high-AQI commuters

ARPU, Year 1 ~\$200 / user

Total SAM value \$50 Billion

THE 0.1% PROOF

Just 250,000 users = \$50M+ baseline revenue — excluding all B2B / DaaS upside.



FINANCIAL OUTLOOK

Two scenarios. One direction.

Hardware-led entry, recurring filter revenue, emerging DaaS upside (2026–2028).

Base Case — Conservative

FUNDABLE NOW

2026	₹1–2 Cr	1,000 units · waitlist converts
2027	₹15–25 Cr	10,000 units · B2B pilot + paid
2028	₹80–120 Cr	50,000 units · DaaS + international

Vision Case — Full Scale

SERIES A POTENTIAL

2026	₹10 Cr	pilot + B2B pipeline activation
2027	₹227 Cr	enterprise scale + Asia expansion
2028	₹932 Cr	global DaaS at 90%+ margin

THE BRIDGE →
₹932 CR

① **International ASP +150%**
COGS stays flat at ₹4,200

② **DaaS activation**
90%+ margin, zero marginal cost

③ **B2B conversion**
fleet, insurance & smart-city at scale

2028 vision: ₹932 Cr revenue · 74% gross margin · ₹526 Cr EBITDA · 400,000 units



GO-TO-MARKET

India first. Then Asia. Then the world.

A staged rollout — proving the model at home before scaling the moat globally.

01 India

2026–2027

Delhi · Bengaluru · Pune · Mumbai · Chennai · Kolkata

D2C via social commerce

B2B2C — corporate wellness + schools

Influencer seeding + launch events

Target: 10,000 units

02 Asia

2027–2028

Japan · South Korea · Singapore · Indonesia

Partner + licensing model

Regional distribution network

DaaS API pilots with mapping partners

Target: 50,000+ units

03 Global

2027+

CE + FCC certified markets worldwide

DaaS API licensing at scale

Smart-city government contracts

Insurance + logistics enterprise deals

Target: 1,50,000+ units



INTELLECTUAL PROPERTY

We are claiming the category — correctly.

A patent-pending, internationally-filed core — wrapped in a trade-secret moat that does not expire.

PATENT PENDING

"Environment + Health Tracking"

App. No. 202421100144 · filed Dec 2024 ·
under examination (IPO)

The core Securio filing

PCT · 135+ COUNTRIES

International filing

PCT/IB2025/051062 (WIPO, Jan 2025) ·
priority Dec 2024 · national phase from Nov
2026

Covers the core wearable globally

PATENT 536729 · GRANTED

"Real-Time Threat Assessment"

Issued & active · covers Securio Fleet &
Individual Security

Extends — not duplicates — the moat

TRADE-SECRET MOAT — FIELD-VALIDATED, TRL-7

AQI / PM / CO computation engine · Pollution Exposure Index · hyperlocal journey-pin
mapping · posture & heat-stroke inference — held as trade secret, on commodity
sensors under proprietary fusion.

PCT NATIONAL-PHASE PLAN

Tier 1 (Nov 2026): USA · China · Europe

Tier 2 (Dec 2026): Korea · Japan · Brazil

Tier 3 (by May 2027): + 6 more

IP invested to date ₹20L · budgeted for national phase ₹75L · a moat that does not expire

Adevair Technologies - Team

Built from scratch. Patent-protected. Manufacturing-ready.



adevAir Technologies
Developing Intelligence To Achieve Excellence



Shailesh Kachi (Founder and CEO)

- › Architectural designer of every Securio layer — scratch to finish
- › TRL-7 validated across 3 cities | 104,157+ real sensor readings
- › 9+ years AI and IoT: robots, rovers, drones to patented wearable
- › Granted patent No. 536729 | PCT filed 135+ countries



Vasant Kachi (Co-Founder and CFO)

- › Government infrastructure projects from ground zero to completion
- › Operations, strategic planning & institutional credibility
- › Father-son founding team — conviction backed by family



Lekhanish Rana (Lead IoT Engineer)

- › Brain behind Securio sensor-to-application architecture
- › Embedded firmware, BLE, device-to-cloud pipeline
- › Sensor fusion & real-time data processing
- › 2 years + at Adevair



Nikita Nagar (IoT Engineer)

- › Posture AI algorithm development & validation
- › Hardware design & product development support
- › 2 years + at Adevair

Asset-light by design: vetted Tier-1 vendors for PCB manufacturing · AURA Core filter production · injection moulding & tooling · logistics. *Capital goes to product, not payroll.*

TRL - 7
Field Tested

PCT Patent
135+ Countries

500+
Organic Waitlist

₹1.3 Crores
Founder funded



VALUATION

₹66.67 Cr — executed innovation, not speculation.

This valuation reflects what has already been built — not what we promise to build.

Category Creation

Environmental Intelligence
Wearable — a defined new
category

No direct competition globally

\$2B defined niche within a \$150B
market

IP Moat — Global

Patent pending + PCT across 135+
countries

Granted patent No. 536729 (related
node)

Trade-secret algorithms — a moat
that does not expire

De-risked Execution

TRL-7 — field-tested in Bengaluru

Design final · PCB locked · supply
chain contracted

iOS + Android tested

Profitable Core Engine

58–66% hardware margin at 10,000
units

Razor-blade filter model — 70–80%
margin

Hardware + subscription hybrid

₹10 Cr at ₹66.67 Cr pre-money, via CCPS with milestone tranches. You are pricing a de-risked, category-defining asset — not a pitch.



PROTOTYPE TO PRODUCT

The technology is proven. Your investment closes the gap.

B-samples validated, design and supply chain locked — August 2026 general availability.

MVP - B SAMPLE VALIDATED IN BANGALORE



Laser PM 95%+ accuracy · 5-layer AURA Core · AQI
glow ring

ENGINEERING — LOCKED

- ✓ Step files locked & verified · PCB finalised & tested
- ✓ Tier-1 manufacturing vendors contracted
- ✓ Working B-samples validated in Bengaluru

PATH TO LAUNCH

- ✓ BIS & WPA / ETA regulatory roadmaps defined
- ✓ PCT national phase from Nov 2026
- ✓ General availability August 2026 (buffered Sept)

Everything is built. This round turns a validated product into units shipped — not feasibility work.



READINESS

Everything is built. We're ready to manufacture.

General availability August 2026 · buffered target September 2026.

MPP LOCKED

Engineering Validated

- Step files locked and verified
- Tier-1 manufacturing vendors contracted
- Working B-samples validated in Bengaluru
- PCB design finalised and tested

MOAT BUILT

IP & Regulatory Secured

- Core filing pending — No. 202421100144
- PCT filed in 135+ countries
- BIS & WPA/ETA regulatory roadmaps defined
- National phase planned — Tier 1, Nov 2026

PULL EXISTS

Commercial Demand Active

- 500+ organic waitlist — zero spend
- Active 1,000-unit B2B enterprise pipeline
- Featured: News18 · Deccan Herald

FEATURES VERIFIED VIA WORKING PROTOTYPE (B-SAMPLES)

AQI Sense

Laser PM · CO & NO₂ · glow ring

Posture AI

Feedback · lung-cap correction

Hands-Free SOS

Gesture triggered · location sharing

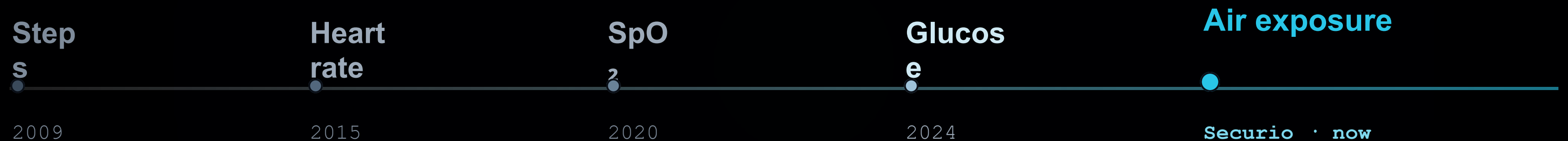
Mobile App

iOS & Android · live dashboard

THE NEXT LEVEL

Every vital we track was once invisible.

Steps, heart rate, oxygen, glucose — each became a number the moment a device could see it. Air exposure is next.



CONSUMER

The number

Personal air exposure becomes a vital people track daily — like steps or heart rate.

ENTERPRISE

The mandate

Worker-safety, ESG disclosure and insurance pricing make it required, not optional.

INFRASTRUCTURE

The standard

Maps, cities and insurers license the exposure metric Securio mints.

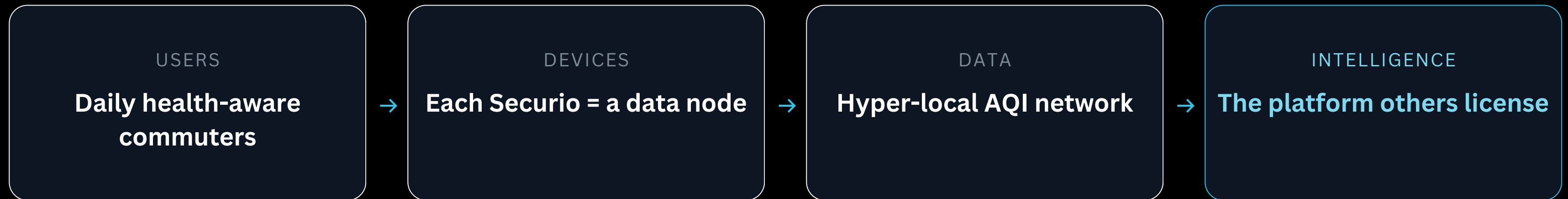
We make the invisible measurable. Once air exposure is a number, the first to measure it well sets the standard.



THE VISION

We start with a product people use.

We become the network the world relies on.



Securio is node one of Adevair's AI Fabric — an intelligence layer around human safety and environment. Further nodes are in development (Securio Fleet, Individual Security — already patent-granted), with more filings to come.

POTENTIAL LONG-TERM INTEGRATIONS

Google Maps

Apple Maps

MapmyIndia

Insurance

Logistics

Smart-City Govts

Adevair is not a wearable company. *Securio is the sensing layer the world doesn't yet know it needs.*



THE ASK

A milestone-based growth fund.

Raising ₹10 Crore at ₹66.67 Cr pre-money, via CCPS with milestone tranches — structured to de-risk scale.

TRANCHE 1

₹2.00 Cr

Pilot production & IP

Tooling + manufacturing 1,000 units — ₹1.5 Cr

IP national phase — ₹0.5 Cr

DE-RISKING TRIGGER

Successful production of
1,000 units + hardware
validation unlocks
Tranche 2.



TRANCHE 2

₹8.00 Cr

B2B pilot & scale unlock

9,000 units incl. B2B — ₹3.2 Cr GTM — ₹1.6 Cr

Team & R&D — ₹2.8 Cr

Contingency — ₹0.4 Cr

₹10 CR UNLOCKS THREE PROOF POINTS → SERIES A

1,000 units shipped

revenue + supply-chain proof

B2B enterprise pilot

first enterprise ARR + DaaS genesis

IP national phase secured

global defensibility + acquisition optionality

We don't want just a cheque. We want a partner who believes in milestone-based execution. De-risk with us. Build the world's largest environmental intelligence network with us.



The air is an epidemic.

You cannot quarantine yourself from it.

Securio changes that.

Shailesh Kachi

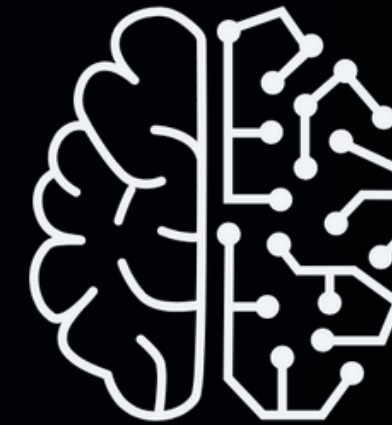
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Valuation

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