

V3LA · EST. 2025

Performance for bodies on the wrong clock

Circadian performance systems for the fifth of the workforce
whose schedule does not match their biology.

Company overview · 2026 · General wellness product, not a medical device

Every wearable on the market assumes you sleep at night.

Readiness scores, sleep stages, recovery percentages — all of it is built on a midnight-to-midnight day. For a nurse four nights into a rotation, that framing is not just unhelpful. It is wrong.

A market defined by its schedule

27M

US shift workers

Healthcare, logistics, manufacturing, public safety — sectors that cannot move to daylight.

\$136B

Annual fatigue loss

Errors, absence and turnover already carried by employers — a buyer with a line item, not a wish.

Why the incumbents leave this alone

Serving irregular schedules properly requires a different sensor set, a different model and a different buyer. Each one is a reason a diurnal-first company will not follow.

Different sensor

Optical heart rate does not carry phase. Distal temperature does, and nobody is sampling it continuously.

Different model

A score describes last night.
A phase estimate predicts the next four, against a roster that keeps changing.

Different buyer

Health systems already pay for fatigue-related error. A consumer subscription cannot reach that budget.

Phase, not sleep score.

Distal skin temperature carries a clean circadian signal. Its minimum tracks the core body temperature minimum — the anchor point of the entire system.

Estimate that one moment and the rest becomes arithmetic: when melatonin rises, when reaction time bottoms out, and which direction light will move you.

Fatigue on a night rotation is not a willpower problem. It is a phase problem, and phase can be measured.

Measure, estimate, prescribe

01

Measure

Continuous distal temperature and movement at 1 Hz — 86,400 samples a day, with no user input required.

02

Estimate

A per-person limit-cycle oscillator converges on the temperature minimum within four days of wear.

03

Prescribe

Sleep, light and caffeine timing solved against the actual roster — the shortest path to where the schedule needs you.

A sensor you forget you are wearing

Dual thermistor plus a 6-axis IMU, sampled continuously. No optical PPG, no screen, no notifications on the hand — which is how it survives a twelve-hour shift under gloves.

Specification	V3LA One
Battery	9 days
Mass	3.1 g
Water rating	5 ATM
Sampling	1 Hz continuous

Deliberately left out

- Optical heart rate
- Screen and haptics
- Nightly charging
- Any cloud requirement

A coach that reads your roster

Import the schedule and the plan is built backwards from it. When the roster changes at 4pm, the plan changes with it. Tonight, night two of four:

Time	Instruction
08:20	Sleep now — anchor block, 6 h 40 m
15:00	Stay dark 40 min — light now pulls the wrong way
20:30	Bright light, 30 min — the one lever tonight
02:00	Caffeine cut-off — protects tomorrow's block
03:10	Predicted low — 90 minutes, plan around it

What we can defend

$\pm 19\text{min}$

Phase estimate error against laboratory DLMO in our pilot.

1,900

Pilot participants across clinical and rotating-schedule cohorts.

74%

Day-90 retention — the number that separates a tool from a novelty.

Research partners: a university sleep laboratory, two US health systems, an occupational health group and a regional nurse staffing council.

Consumer first, enterprise second, regulated third

Each stage funds the evidence base the next one needs.

Code	Program	Scope	Status
V3-01	V3LA One	Temperature and IMU ring with the shift-planning app	Shipping Q1 2027
V3-02	Patch	Adhesive form factor for gloved and sterile environments	Prototype · 2027
V3-03	Roster Engine	Fatigue-risk modelling across a whole unit, not one person	Pilot · 4 health systems
V3-04	Shift Recovery Rx	Clinical indication for shift work sleep disorder	Pre-submission · 2029

Where we are

Funded through the consumer launch, with the enterprise buyer already in the building.

\$6.4M

Series A, closed

4

Health-system letters
of intent

15

People, four
disciplines

Q1 27

V3LA One ships,
preorder open

Built by people who work the shift

The company started on an overnight rotation with a spreadsheet and a thermometer. Everyone added since has either lived the problem or spent a career measuring it.

Founder & CEO

Adrián Solís-Vance

Prototyped the first estimator during his own overnight rotations.

Head of Science

Dr. Sofia Reyes

Owns the estimator and every published claim.

Hardware Lead

Ravi Anand

Low-power sensing, three shipped wearables, thermal design.

ML Lead

Dr. Nour Haddad

State-space models; took the oscillator under one second on-device.

Clinical Partnerships

Marcus Delgado

Turns letters of intent into deployed units.

Get in front of it.

Pilot cohorts open monthly for clinicians, night-shift teams and rotating-schedule workers. Investors, press and research partners route through the same form.

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