

ORIS

ODYSSEY ROBOTICS INFRASTRUCTURE SYSTEMS

The Universal Autonomy Layer for Automobiles

Camera-first autonomy for emerging markets.

Mathematically verifiable. Sub-\$1,500 hardware.

PRE-SEED • \$150,000

Western AV is a \$100B Dead End

for 80% of the world's roads

\$150K+

Hardware cost per vehicle

LiDAR + HD Maps + compute.
Fleet economics don't work.

0%

Designed for chaos

Waymo fails with unmarked roads, mixed traffic, unpredictable actors.

BLACK BOX

Regulatory nightmare

End-to-end neural nets can't explain decisions. Regulators can't audit.

"The biggest mobility market isn't where AV was invented. It's where AV is needed."

ORIS: Autonomy That Works

Where it matters most.

CAMERA-FIRST

\$500

Not \$10K LiDAR arrays.
Commodity cameras + edge AI.
20x cost reduction.

WHITE-BOX

100%

Mathematically verifiable
decisions. Every choice auditable.
Regulators can trust it.

CHAOS-NATIVE

Day 1

Built for emerging markets first.
Unpaved roads. Mixed traffic.
Zero HD maps required.

An Autonomy OS for Fleets

Sub-\$1,500 total hardware BOM.

White-Box vs. Black-Box

Why our architecture wins with regulators and fleets.

BLACK-BOX (Competitors)

- ✗ End-to-end neural networks
- ✗ "It just works" (until it doesn't)
- ✗ No decision explainability
- ✗ Impossible to audit
- ✗ Regulators block deployment

WHITE-BOX (ORIS)

- ✓ Hamilton-Jacobi Reachability
- ✓ Control Barrier Functions (CBFs)
- ✓ Model Predictive Control (MPC)
- ✓ Every decision mathematically proven
- ✓ Regulators can audit & approve

"If you can't explain the decision, you can't ship the product."

Phase-0: Validated & Running

Bosch Future Mobility Challenge 2026

1:10 SCALE PROTOTYPE

Team OdyssiX

- Full autonomy stack operational
- NVIDIA Jetson Orin Nano Super
- Sub-5ms execution per cycle
- YOLOv8 + classical perception
- EKF localization (no GPS)
- NMPC trajectory control

BFMC 2026

International Competition

Romania • May 2026

VALIDATION ACHIEVED

- ✓ Deterministic timing guaranteed
- ✓ Zero-allocation hot paths
- ✓ Mixed traffic scenarios passed
- ✓ Intersection navigation ✓

\$3.5B TAM in India Alone

Fleet autonomy in emerging markets is a greenfield opportunity.

TAM: \$3.5B

Indian Autonomous Vehicle Market by 2030

SAM: \$850M

Fleet autonomy platforms (ride-hailing, logistics)

SOM: \$42M

5% penetration by 2028 (conservative)

INITIAL TARGETS

Ola 100K+ vehicles

BluSmart All-EV fleet

Rapido Expanding to cabs

Delhivery Last-mile logistics

Beyond India: SEA (\$1.2B) + LatAm (\$800M) = \$5.5B+ total opportunity

Enterprise SaaS + Licensing

85% gross margins. Infinite software leverage.

PLATFORM LICENSE

\$50K–\$150K

per fleet integration

One-time fee for SDK access, integration support, and deployment assistance.

FLEET SUBSCRIPTION

\$200–\$500

/vehicle/month

Recurring SaaS revenue for ongoing software updates, safety monitoring, and OTA upgrades.

UNIT ECONOMICS

85%

Gross Margin

\$2.5M+

Fleet CLV (200 vehicles)

4 months

CAC Payback

\$175K

Target MRR (Month 18)

Build in Public. Close in Private.

Content-led growth + founder-led sales = capital-efficient GTM.

SEVEN ELEMENTS MEDIA HOUSE

Brand Partner

YouTube	Raw driving vlogs. Unfiltered. Including failures.
X/Twitter	CEO thought leadership. Technical threads.
LinkedIn	B2B pipeline + employer branding.
Instagram	Visual engineering content. Top-of-funnel.

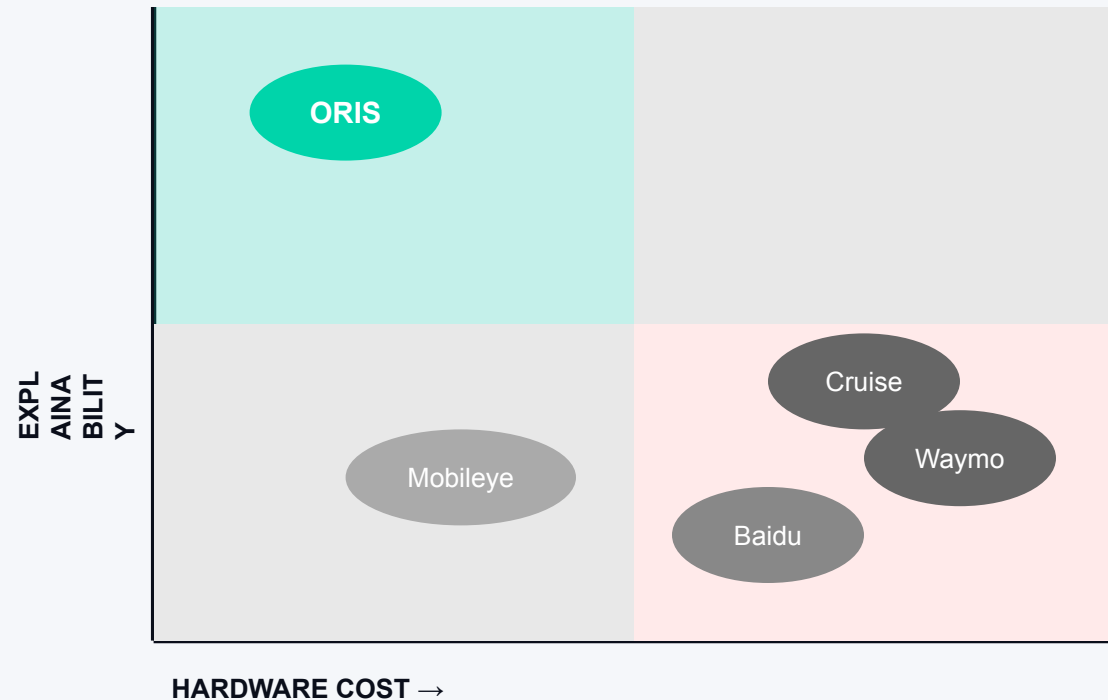
SALES MOTION

- 1 Content → Awareness**
Vlogs establish credibility
- 2 Outreach → Demo**
Founder-led, personalized
- 3 Demo → LOI**
Technical deep-dive + ROI
- 4 LOI → Seed Fuel**
5-10 LOIs anchor the raise

TARGET: 5–10 LOIs from Indian fleet operators → Anchor the Seed round

We Win Where It Matters

Cost × Explainability × Adaptability to Chaos



WHY WE WIN

vs. Waymo/Cruise

\$150K+ hardware. Black-box. Won't localize.

vs. Mobileye

L2 only. No L4 roadmap for emerging markets.

vs. Baidu Apollo

HD map dependent. Geopolitical barriers to India.

vs. Internal R&D

5+ years & \$50M+. We're faster & cheaper.

Obsessed Engineers. Operators.

We don't just study autonomy. We ship it.



SAMARTH BANKAR

CEO & Co-Founder

- AI & Platform Architecture
- Full perception → control stack
- Venture Studio Fellowship, AU



YASH SHAH

CTO & Co-Founder

- Physical Systems & Hardware
- Embedded + firmware mastery
- Makes robots actually work

Phase 0 → Phase 1 → Seed

12 months from prototype to fleet LOIs.

PHASE 0

NOW

Validation

- ✓ 1:10 scale prototype
- ✓ BFMC 2026 competition
- ✓ Full stack operational
- ✓ Architecture validated

COMPLETE

PHASE 1

Q3 2026

Full-Scale EV

- ✓ Tata Nexon EV retrofit
- ✓ Real-world testing (Ahmedabad)
- ✓ Safety driver operations
- ✓ First fleet demos

PRE-SEED UNLOCKS

SEED

Q1 2027

Fleet Pilots

- ✓ 5-10 LOIs signed
- ✓ First pilot deployments
- ✓ \$1M-\$2M Seed raise
- ✓ Team expansion

MILESTONE

The Ask

\$150,000
PRE-SEED ROUND

USE OF FUNDS

40%

Full-Scale Vehicle

Tata Nexon EV + sensor integration + retrofit

25%

Safety Operations

Safety driver wages + insurance + testing logistics

25%

Engineering

1-2 key hires (perception/embedded specialists)

10%

Runway Buffer

Marketing, legal, contingency

THIS CAPITAL UNLOCKS:

18+ months runway to reach seed milestones

Full-scale EV on the road → Real-world validation → 5-10 Fleet LOIs → \$1M–\$2M Seed