

CYBS INNOVATIONS

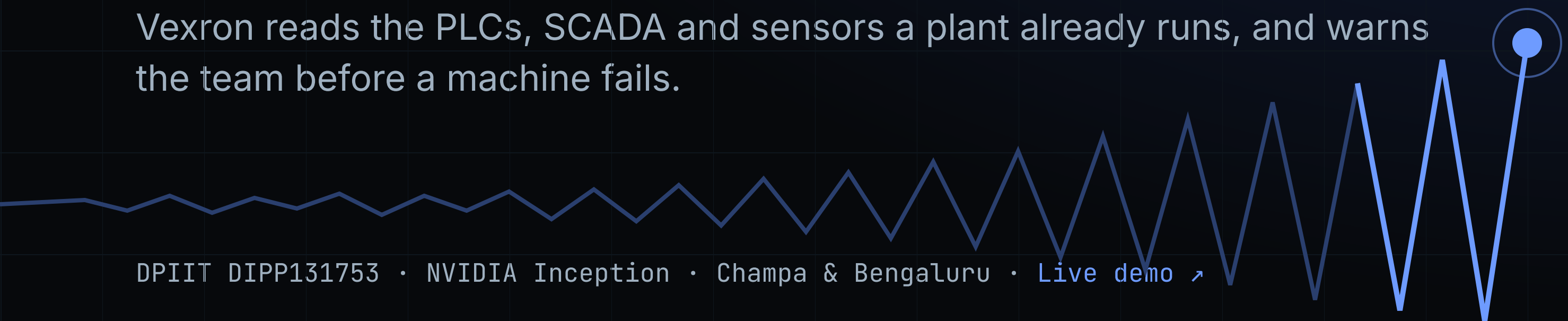
SEED ROUND • ₹1 CR

VEXRON • PREDICTIVE MAINTENANCE FOR INDIAN HEAVY INDUSTRY

Cut downtime, not your existing systems.

Vexron reads the PLCs, SCADA and sensors a plant already runs, and warns the team before a machine fails.

DPIIT DIP131753 • NVIDIA Inception • Champa & Bengaluru • [Live demo ↗](#)



“I grew up around factories that lost entire days to a machine breaking down without warning.”

Arin Dewangan, Founder & CEO

WHERE

Champa, Chhattisgarh: a heavy-industry belt of sponge iron, steel, power and mining.

WHO

Two founders from the same town, building since 2023 for the plants they grew up beside.

WHAT

Software that tells a plant what will break, when, and what it will cost in rupees.

PROBLEM

Unplanned downtime is the biggest cost most Indian plants never budget for.

₹70 lakh

lost per hour of unplanned downtime by a typical Indian industrial business

88%

of Indian industrial businesses have an unplanned outage every month (69% globally)

Reactive by default

Faults are found after the line stops. The plant pays for the stop and the repair.

Data nobody reads

Vibration, heat and current already sit in PLC tags and SCADA, unused.

Tools built for someone else

Global platforms are hardware-first and priced for Western enterprises, not a mid-size Indian plant.

SOLUTION

Vexron turns signals a plant already has into warnings days to weeks ahead.

01 SENSE

Vibration, heat and power from existing PLCs, SCADA and sensors. New sensors only where a machine has none.

02 CONNECT

Edge gateway in the panel polls PLCs and holds 100,000+ readings through network drops.

03 PREDICT

VMI-1 names the fault: bearing, alignment, imbalance, looseness. Forecast models project the trend.

04 ACT

WhatsApp or SMS alert, a work order into SAP or MES, and the cost of the stop in rupees.

NO RIP-AND-REPLACE

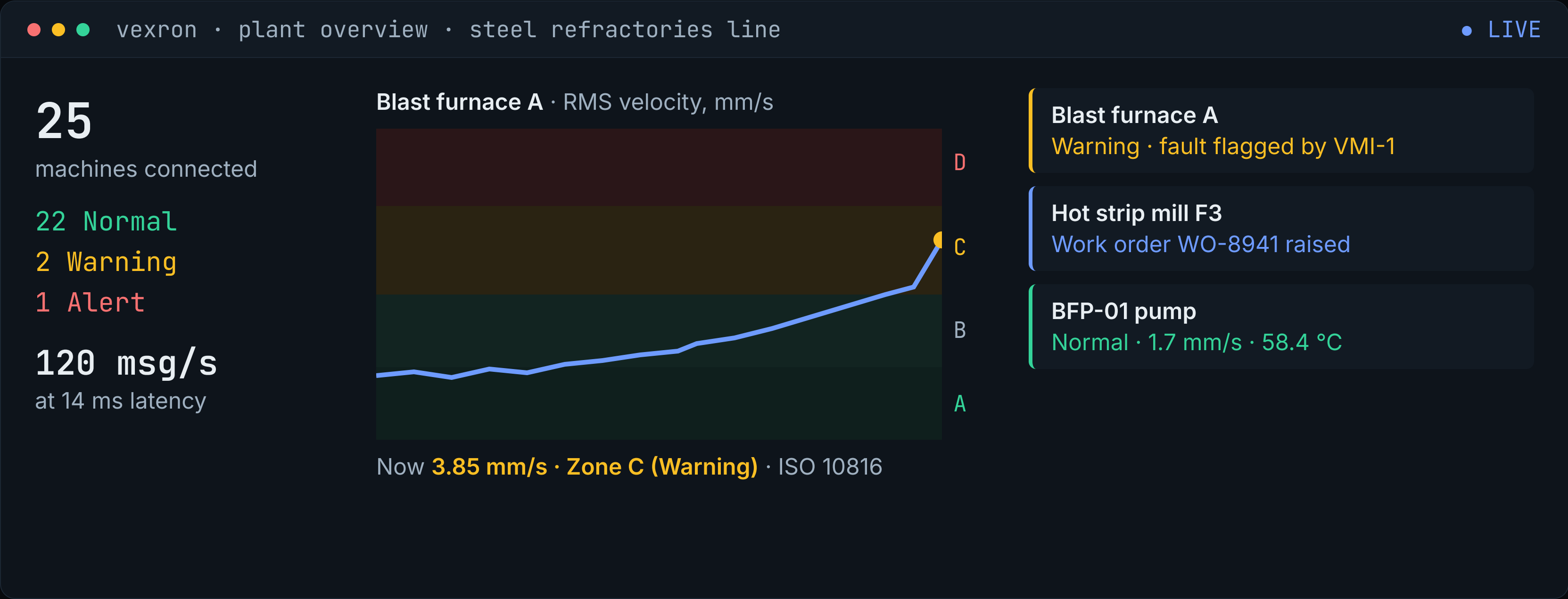
ON-PREM OR CLOUD

OPERATOR TO CXO

LEARNS FROM ENGINEERS

PRODUCT

What a plant manager sees every morning.



UNDER THE HOOD

Built from the electrical panel up.

EDGE · VEXRON EDGE OS

Runs on cheap hardware: industrial PCs, NVIDIA Jetson, single-board computers, even ESP32.

Signal maths on the device: RMS velocity, peak acceleration, crest factor, kurtosis.

Never loses data: buffers 100,000+ readings; local page works offline.

AI · 5 MODELS, 4 FAMILIES

VMI-1 LIVE

Names the fault and its severity

EVA-1 LIVE

Assistant over manuals and repair history

VMI-2 IN DEV · remaining useful life

VCI-1 IN DEV · 0–100 condition index

VMR-1 IN DEV · root cause, next step

CONNECT · SECURE

Reads: Siemens S7, Rockwell ControlLogix, Modbus TCP/RTU, OPC-UA, SCADA tags.

Sends to: SAP S/4HANA, MES, MQTT, WhatsApp, SMS.

Security: TLS 1.3, encrypted OPC-UA, role-based access, audit trail.

A software layer, not a sensor company. We reuse what the plant already owns.

The maths a plant owner can check in their head.



For a single line, in one year. Plants start Vexron on a few critical machines, so the first deployment pays back against one avoided breakdown, not a plant-wide transformation.

WHY NOW

The physics didn't change. The economics did.

Forecasting without failure labels

Time-series foundation models (Chronos-Bolt, TimesFM) work zero-shot. No years of labelled breakdowns needed.

Edge compute got cheap

Vibration sensors and boards like ESP32 and Jetson make it affordable to watch every critical motor.

Indian heavy industry is expanding

Steel, cement and power are adding capacity under Make in India. New lines are bought digital-ready.

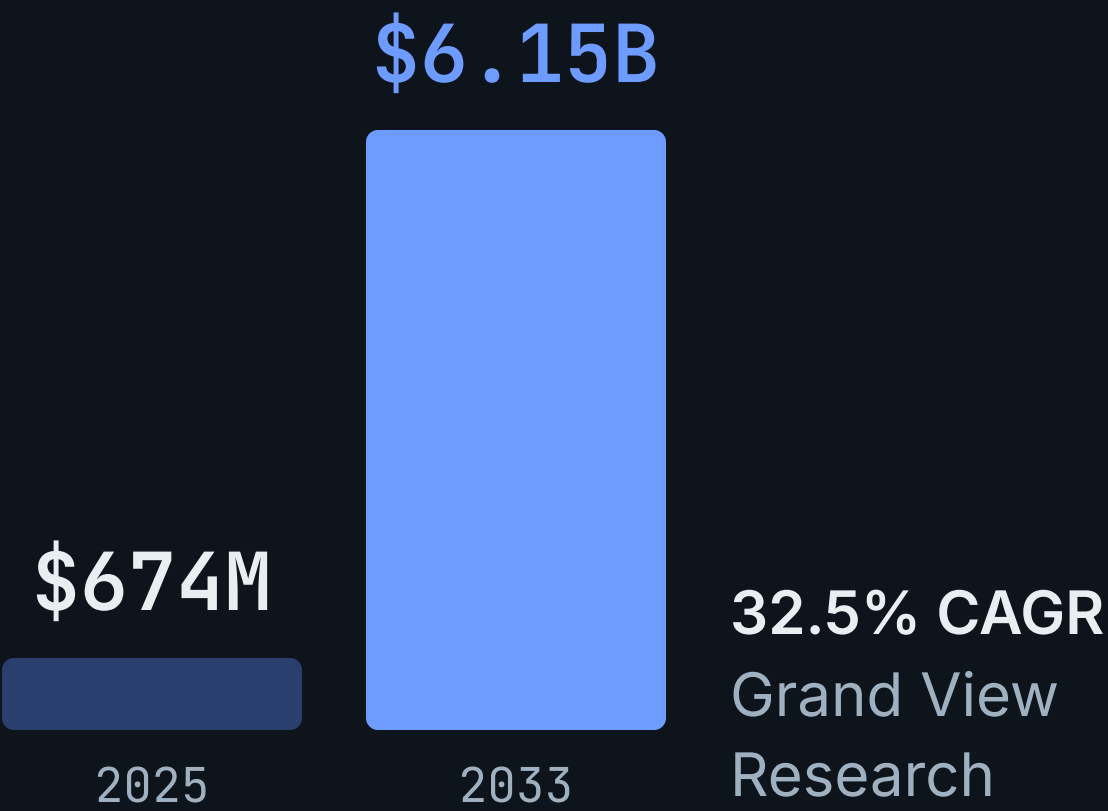
Buyers now ask for carbon data

Exporters need Scope 1 and 2 records for EU buyers. Vexron's energy module produces them from the same data.

MARKET

India’s predictive maintenance market is set to grow 9× by 2033.

TOP-DOWN · INDIA PdM



BOTTOM-UP · OUR BEACHHEAD

336

sponge iron plants in India, with a dense cluster in Chhattisgarh, where we are based.

Next: integrated steel, cement, power and mining. The same machines (fans, pumps, motors, gearboxes) fail the same way.

BUSINESS MODEL

Land on a few critical machines. Expand across the plant.

RECURRING

Software subscription

Per plant and per line: dashboards, alerts, AI models. On-prem licence option.

ONE-TIME

Edge hardware

Sensors, gateways and Edge OS devices, sold at a margin.

ONE-TIME

Deployment

Integration, commissioning and operator training.

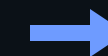
FEW CRITICAL MACHINES



FULL LINE



WHOLE PLANT



+ ZAPNEXA, CAMRYX

WHERE WE ARE

Product built. First letter of intent signed.

BUILT

v2.5.0

Vexron Enterprise, with a public live demo

5 models

in 4 families, 2 working today

3 products

Vexron, ZapNexa, Camryx

DEMAND

1 LOI

signed with a mid-size industry in Chhattisgarh

+3 industries in active discussion

BACKED BY

DPIIT recognised

Startup India, DIPPI131753

Startup Chhattisgarh

state recognised

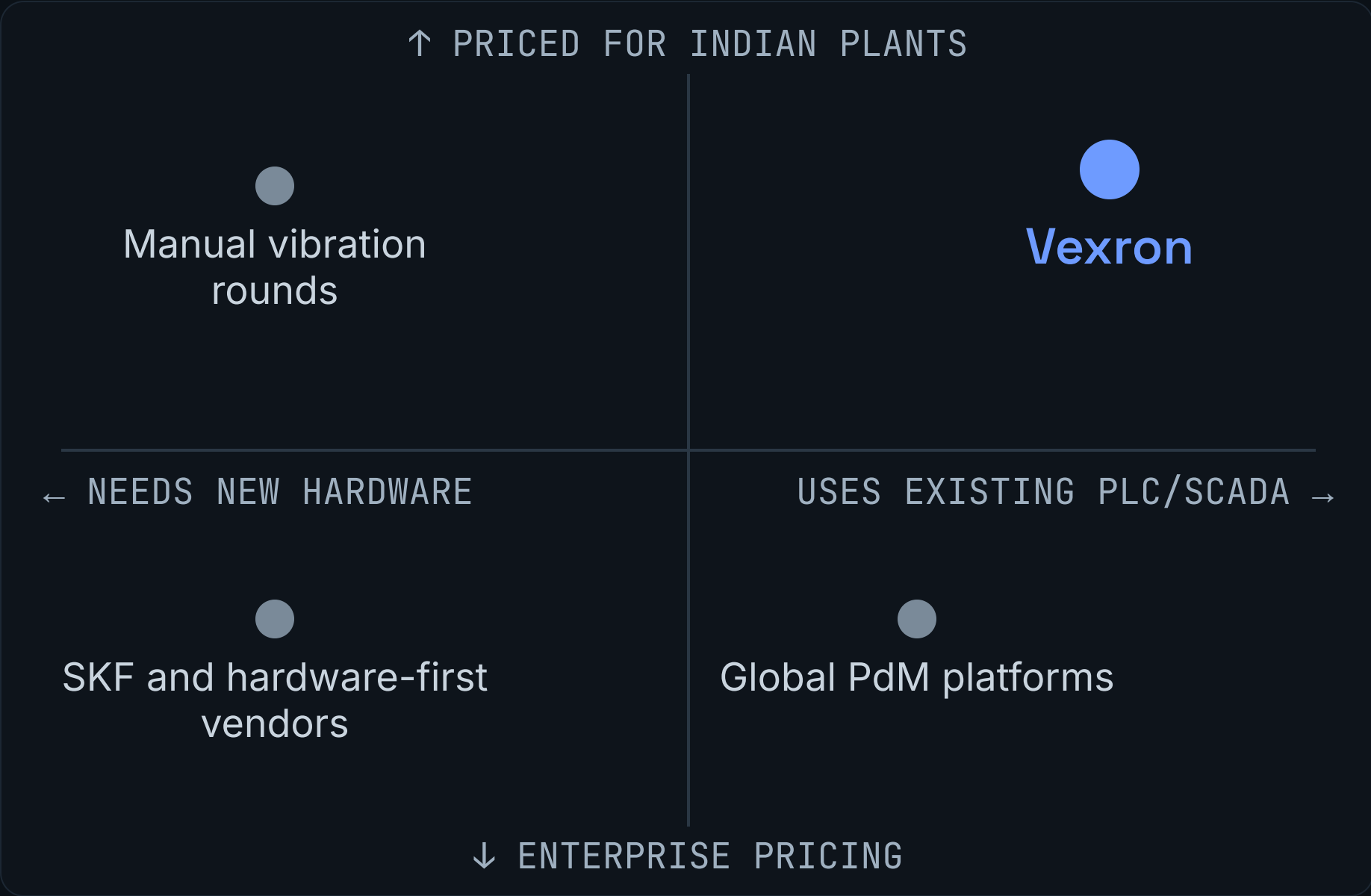
NVIDIA Inception

and earthN Foundation support

PRE-REVENUE • NO OUTSIDE FUNDING YET • THIS IS OUR FIRST ROUND

COMPETITION

The empty corner of the market.



WHY VEXRON WINS

- No rip-and-replace.** Reads Siemens, Rockwell, Modbus and OPC-UA as they are.
- On-prem by design.** Edge OS runs under plant governance.
- Cost per point is a design goal,** so mid-size plants can buy.
- Engineers near the plant,** not a support ticket abroad.

Start in our backyard. Prove ROI. Scale through partners.

PHASE 1 • NOW

Chhattisgarh cluster

Founder-led sales to sponge iron, steel and power plants near Champa. 1 LOI signed, 3 more industries in talks.

PHASE 2 • 2027

Case studies + channels

Publish measured pilot ROI. Sell through system integrators and sensor and PLC vendors.

PHASE 3 • SERIES A

India's industrial belts

Other steel and cement states from our Bengaluru office; sell to multi-plant groups centrally.

Door-openers we already run: free factory assessment and site visit • free Downtime Cost Calculator • public live demo • 33 blog guides for plant teams

EXPANSION

One plant, three products to sell.

LEAD PRODUCT

Vexron

Predictive maintenance on existing PLCs and SCADA. Where every account starts.

LIVE DEMO

ZapNexa

Manufacturing ERP, weighbridge to GST invoice. Runs alongside Tally.

EARLY ACCESS

Camryx

AI on existing CCTV. Ask in Hindi or English, get the clip.

The same plant buys maintenance, ERP and site security. Vexron opens the door; ZapNexa and Camryx raise revenue per plant.

TEAM

Founders who grew up beside the plants they sell to.



Arin Dewangan

FOUNDER & CEO • 60%

Leads product and engineering

BCA (Data Science), Chanakya University, Bengaluru

India representative, Nokia & Telia Hackathon, Helsinki

Paper on foundation-model data pipelines



Gulshan Dewangan

CO-FOUNDER & COO • 40%

Runs operations, delivery and deals

BCA (Data Science), Chanakya University

Certified Ethical Hacker (EC-Council)

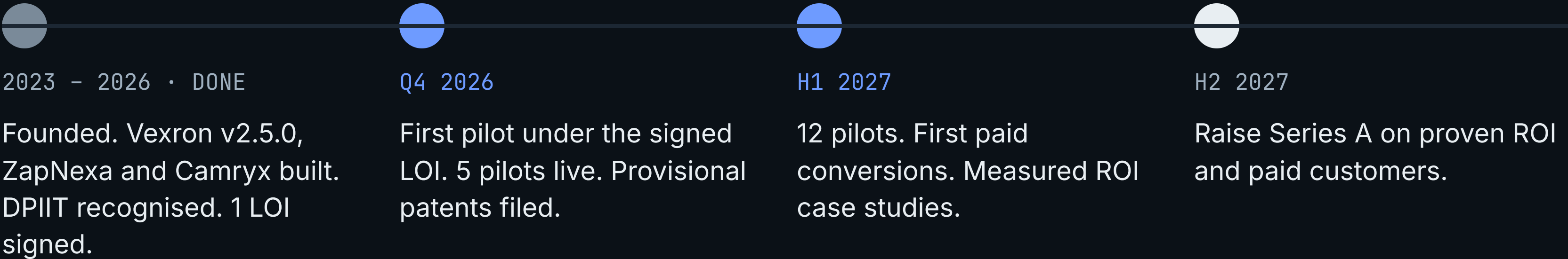
Relationships with regional plants and government offices

7-person team across product, IoT and on-site deployment, in Champa and Bengaluru

Hiring with this round: electrical/IoT and mechanical engineers for deployments

MILESTONES

From a signed LOI to Series A in about 12 months.



₹1 Cr

Our first outside capital, to put Vexron on plant floors.

WHAT IT BUYS

1st	pilot live under our signed LOI, then 5 pilots by Q4 2026
12	pilots and first paid conversions by H1 2027
IP	provisional patents and measured ROI case studies for Series A

USE OF FUNDS

₹100 L total



■ Pilot hardware, sensors, edge devices	₹24L
■ Deployment engineers	₹24L
■ PLC integration and installation	₹16L
■ Marketing and go-to-market	₹16L
■ Cloud, operations, contingency	₹15L
■ IP, patents, trademarks	₹5L

64% goes straight into pilots: hardware, integration and the engineers who deploy them.

VISION

No surprise stops in the plants that build India.

Vexron becomes the intelligence layer for steel, cement, power and mining: every machine watched, every failure priced before it happens.

Arin Dewangan, Founder & CEO

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Try the live demo ↗