bharat INNOVATES 2026

COMPENDIUM OF

120 DEEP TECH VENTURES

MADE IN INDIA, BUILT FOR THE WORLD

May 2026

FINAL SHOWCASE
14-16 June, 2026 | Nice, France

Published by
Ministry of Education, Government of India

Year & Edition
First Edition, 2026

शिक्षा मंत्रालय
MINISTRY OF
EDUCATION
सत्यमेव जयते

“The question is no longer if India innovates, but who will innovate with India.”

Emmanuel Macron

President of France

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Foreword

Shri Dharmendra Pradhan

Minister of Education, Government of India

It gives me great pleasure to present Bharat Innovates 2026, a compelling showcase of India's entrepreneurial energy, academic excellence, and innovation-led aspirations. This coffee table book, featuring 120 promising startups being showcased in Nice in June 2026, stands as a testament to the creativity, resilience, and global ambition of India's new generation of innovators.

India today is witnessing a remarkable transformation driven by knowledge, technology, and enterprise. Our institutions of higher education are increasingly becoming hubs of innovation, where young minds are not only seeking knowledge but also creating solutions for real-world challenges. From deep-tech and health-tech to sustainability, agriculture, education, mobility, and digital inclusion, the startups featured in this volume reflect the breadth and depth of India's emerging innovation ecosystem.

Bharat Innovates 2026 is more than a showcase; it is a statement of intent. It signals India's growing confidence as a nation of creators, problem-solvers, and entrepreneurs ready to contribute to global progress. It also reflects the vision of a Viksit Bharat — a developed India that is self-confident, innovation-driven, globally engaged, and committed to building solutions for humanity.

The participation of these startups in Nice offers an important international platform to highlight the talent and transformative ideas emerging from our universities, incubators, research institutions, and startup networks. It also underlines the importance of collaboration across borders in shaping solutions for a rapidly changing world.

The Ministry of Education, through its continued emphasis on innovation, research, entrepreneurship, and multidisciplinary learning, remains committed to fostering an ecosystem where ideas can flourish into impactful ventures. In alignment with the vision of the National Education Policy 2020, we are working to ensure that higher education nurtures not only academic achievement but also creativity, critical thinking, and enterprise.

I congratulate all the entrepreneurs, mentors, institutions, and partners whose efforts have made this initiative possible. I am confident that the 120 startups featured in this book will inspire many more young Indians to dream boldly, innovate fearlessly, and build for Bharat and the world.

I extend my best wishes to all participants of Bharat Innovates 2026 for a successful showcase in Nice and for the journey ahead.

Foreword

Dr. Vineet Joshi

Secretary, Department of Higher Education
Ministry of Education, Government of India

Bharat Innovates 2026 is a celebration of India's rising innovation strength and the transformative power of its young minds. It reflects the growing confidence of a nation where ideas emerging from classrooms, laboratories, research parks and incubators are being translated into technologies, enterprises and solutions for the world.

India's higher education institutions are at the heart of this transformation. Across the country, our universities, technical and research institutions and incubation ecosystems are increasingly becoming vibrant hubs of innovation. They are nurturing students, faculty, researchers and entrepreneurs who are not only advancing knowledge, but also applying it to address real-world challenges faced by society, industry and the economy.

The 120 start-ups and innovations featured in this volume represent this powerful movement from knowledge to enterprise. They span frontier areas such as advanced computing, semiconductors, quantum technologies, space and defence, healthcare and MedTech, biotechnology, clean energy, advanced materials, agriculture, smart mobility, manufacturing, blue economy and disaster resilience. Together, they demonstrate the depth, diversity and ambition of India's DeepTech ecosystem.

A defining feature of this cohort is its strong connection with India's academic and research ecosystem. Many of these ventures have been founded by alumni or faculty of leading institutions, incubated within higher education institutions, supported by research parks, or shaped through collaborations with laboratories and national innovation programmes. This underlines the evolving role of higher education institutions — from centres of learning to engines of innovation, entrepreneurship and national development.

Bharat Innovates 2026, being showcased in Nice, France, provides a global platform for these innovations to engage with corporates, investors, universities, research institutions and governments. The objective is to enable pilots, validation, co-development, market access, investments and long-term research partnerships.

I congratulate all the start-ups, innovators, mentors, institutions, incubators and partner organisations associated with Bharat Innovates 2026. I hope this compendium will help global stakeholders appreciate the depth of innovation emerging from India's higher education ecosystem and open new pathways for collaboration.

I extend my best wishes to all participating start-ups and institutions as they carry India's innovation story to the world.

Introduction to

Bharat Innovates

Bharat Innovates is a national programme of the Ministry of Education, Government of India. It is designed as India's global accelerator for innovations born out of India's education ecosystem.

The initiative was announced by the Hon'ble Prime Minister of India on 17 February 2026 at the inauguration of the India–France Year of Innovation where global leaders, CEOs, investors, and universities were invited to collaborate with India's premier innovators. The President of France also graciously accepted the Prime Minister's invitation.

The maiden edition, Bharat Innovates 2026, brings India's top 100+ DeepTech ventures and 15+ Higher Education Institutes to France to catalyse pilots, co-development avenues, investments, research partnerships, market access and other collaboration opportunities.

The participating ventures have been carefully curated from a pool of over 1,200 innovators and mentored by India's most distinguished scientific institutions along with strategic counsel from India's Principal Scientific Adviser and leading investors.

Why this moment matters

The breadth and scale of ventures at Bharat Innovates 2026 is the product of decades of deliberate ecosystem-building.

Today, India is amongst the world's largest start-up ecosystems, with 200k+ recognised start-ups and 120+ unicorns. What is equally noteworthy is the deep connection of this growth with India's education ecosystem, with multiple founders and leadership teams of India's unicorns originating from the IITs and IISc.

As global stakeholders increasingly seek international partners who can innovate rapidly and deploy at scale, India emerges as a pivotal strategic partner, offering a unique combination of strengths. **From world-class talent, a vast test market and growing research depth, to a practical "build for constraints" mindset delivering high impact at low unit cost, India is emerging not only as a market for technology but also a source of deployable solutions to urgent global challenges.**

The following compendium provides a glimpse of India's frontier capability across 13 spotlight deep tech sectors, highlighting how Indian innovations are engineered to solve global challenges.

The Bharat Innovates Journey...

Architecting India's Deep-Tech Landscape, One Frontier Innovator at a Time

India's most distinguished scientific institutions were hand-picked across 13 frontier domains to discover, validate, and champion the nation's deepest innovators

The Bharat Innovates Journey...

Curating India's Most Promising Deep-Tech Ventures for the Global Showcase

Over 1,200 of India's most promising deep-tech innovations were discovered, evaluated, and mentored through a national-scale basecamp circuit, culminating in a landmark Pre-Summit at IIT Bombay that determined the final 100+ ventures that would carry India's innovation flag to the world stage

01

1,200+ Innovators

Identified from a national pool of nominated and applied ventures

02

National Basecamp Circuit Dec '25 – Feb '26

Mentoring from India's foremost scientific institutions, transforming innovation into investment-ready ventures

03

Bharat Innovates Pre-Summit, IIT Bombay, March 2026

National investor showcases, corporate roundtables, and final selection of the cohort

04

100+ Chosen Ventures

Chosen to represent India at the Grand Showcase in Nice, France

The Bharat Innovates Journey ...

Steered by India's Most Eminent Scientific and Strategic Minds Every Step along the Way

Technical rigour anchored by India's Principal Scientific Adviser paired with strategic counsel from an elite circle of India's most consequential investors, ensured every selected venture is validated by both scientific excellence and market conviction

TECHNICAL OVERSIGHT COMMITTEE

Dr. Ajay Sood
PSA to Govt. of India

Dr. Vineet Joshi
Secretary (DHE)

Dr. Abhay Karandikar
Secretary (DST)

Dr. Rajesh S. Gokhale
Secretary (DBT)

Dr. Shireesh Kedare
Director IIT Bombay

Dr. V. Kamakoti
Director IIT Madras

Dr. Rangan Banerjee
Director IIT Delhi

Saumya Gupta
Joint Secretary (TE), D/o Higher Education

Representation from iDEX, IN-SPACe, DPIIT, Ministry of Corporate Affairs

TECHNICAL ADVISORY COMMITTEE

Kris Gopalakrishnan
Co-founder, Infosys

Representation from IIT Bombay, IIT Madras, and Core Advisory Committee

CORE ADVISORY COMMITTEE

Anjali Bansal
Avaana Capital
Founder focusing on climate tech; former Dena Bank Chair; board member at Tata Power

Ashutosh Sharma
Prosus Ventures
Head of India Investments with $7B AUM; backed Swiggy, BYJU'S, and Meesho

Gaurav Deepak
Avendus Capital
CEO and co-founder; facilitated 215+ deals including Swiggy's $1.25B Series J

Karthik B Reddy
Blume Ventures
Co-founder managing $Unacademy650M; backed 5 unicorns including and Purplle

Pankaj Makkar
Bertelsmann India
MD with $1B AUM; backs growth-stage edtech, fintech, and logistics startups

Prashanth Prakash
Accel Partners
Co-founder of Accel India; backed Flipkart, Swiggy, and Freshworks with $1.6B AUM;
Padma Shri 2025

Rajan Anandan
Peak XV Partners
Former Google India head; drives Surge accelerator with $9B AUM

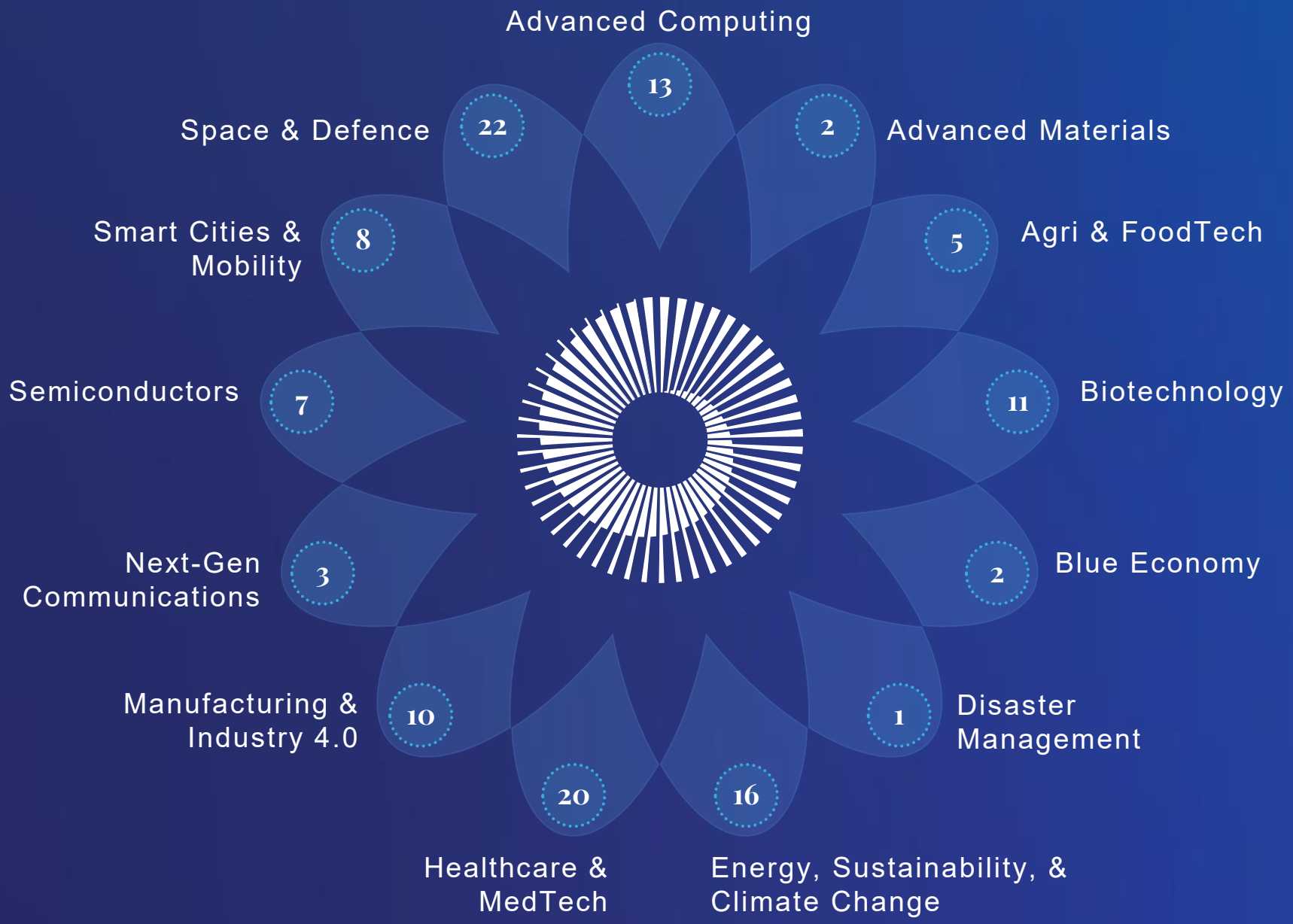
Sanjeev Bikhchandani
Info Edge (Naukri.com)
Founder of Naukri.com; early investor in Zomato and PolicyBazaar; Padma Shri 2020

THOUGHT PARTNERS

McKinsey & Company

Deep-tech ventures you will meet at Bharat Innovates

120 startups across 13 Spotlight Sectors



An Overview of

India's innovation ecosystem

01 Ecosystem Scale

200k+
DPIIT-recognized startups; world's 3rd largest startup ecosystem

120+ unicorns
With multiple founders as alumni of IITs and IISc

400+ incubators
with 25k+ startups fostered

02 AI Momentum

#3 Ranked in Global AI competitiveness
As per Stanford University's 2025 AI Vibrancy Tool

#1 Ranked in Global AI skill penetration
Stanford AI Index 2024

03 Deep Tech Maturity

Frontier capability across 13 spotlight sectors
Including Advanced Computing, Semiconductors, Biotechnology, Space & Defense, Advanced Materials and others

The Enabling Engine:

How India is strengthening its innovation ecosystem

01

Structured Incubation Platforms

- **400+ Incubators**
  Across ~400 higher education institutes, 77 incubators at IITs and IISc
- **Atal Incubation Centres**
  Venture support across 100+ institutions
- **Atal Tinkering Labs**
  Innovation workspaces expanded to ~10k schools
- **Smart India Hackathon**
  Promoting innovation among 8L+ students p.a.
- **KAPILA Initiative**
  IP creation support in universities, with 2k+ IP registrations annually

02

Catalytic Capital Deployment

- **Startup India Fund of Funds 2.0**
  INR 100B committed to mobilise domestic capital
- **Research, Development and Innovation Fund**
  INR 1T to accelerate R&D breakthroughs
- **GIFT City**
  Cross-border investor access for startups scaling globally

03

Innovation-led Policy Frameworks

- **Startup India**
  Initiative for simplified compliance and tax incentives
- **Invest India**
  Structural support for inbound investment and partnership facilitation
- **Other pro-innovation reforms**
  Reduced friction for venture creation, formalisation, and cross-border scale

04

Mission-Mode Tech Investments

- **Sector-specific accelerators**
  iDEX (Defence), BIRAC (Biotech), IN-SPACe (Space), MeitY, India Semiconductor Mission, and other mission-linked pathways scaling deep-tech across priority sectors
- **IndiaAI Mission**
  ~INR 100B mission for AI compute, responsible AI frameworks and AI skilling at scale
- **Anusandhan National Research Foundation**
  Accelerated Research-to-market translation via INR 50k Cr fund mobilization plan

Together, these create a pipeline where ideas in the university ecosystem can move from lab to market, and from local deployment to global adoption

01

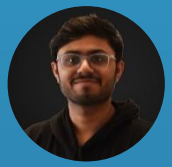
Advanced Computing

STARTUPS

Armatrix Automations

Industrial robotics company developing advanced snake-like robotic arms for inspection, maintenance, and manufacturing in hazardous and hard-to-access industrial environments

MEET THE FOUNDING TEAM



Vishrant Dave

Co-Founder & CEO

B.Tech (Aerospace Engineering) & M.Tech (Materials Science), IIT Kanpur

Prateesh Awasthi

Co-Founder & CTO

B.Tech & M.Tech (Mechanical Engineering), IIT Kanpur

CORE PROBLEM STATEMENT

Industries including shipbuilding, nuclear, aerospace, and oil & gas still rely on manual inspection in hazardous confined spaces. Conventional robots are too rigid for tanks, pipelines, and reactors, leaving these operations largely unautomated and causing safety risks, downtime, and quality issues

SOLUTION OVERVIEW

- Hyper-redundant 24-DoF snake-like robotic arm capable of navigating confined, hazardous, and geometrically complex industrial environments
- AI-driven perception, real-time sensing, and adaptive motion planning for autonomous operation in unstructured spaces
- Modular end-effector architecture supporting welding, NDT inspection, painting, and maintenance on a single robotic platform

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2024
Founding year

$2.1M
Seed funding raised

18
Active workforce

- Winner, Vizag Greenport Startup Innovation Award 2025 for innovation in industrial and maritime robotics
- Selected by Shell E4 Programme for access to pilots with global Shell assets

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

Armatrix's autonomous confined-space robotic platform is well suited for pilots, co-development, and procurement partnerships with shipyards, offshore energy operators, and heavy manufacturing companies aiming to automate hazardous and hard-to-access industrial workflows

RESEARCH INSTITUTES

Armatrix offers strong joint innovation opportunities with academic and applied research institutions in hyper-redundant robotics, autonomous motion planning, and industrial AI

CAPITAL PROVIDERS

Focus on pilot deployments with industrial partners, welding and inspection certification, and manufacturing scale-up; suitable for deep-tech and industrial automation investors seeking early exposure to next-generation confined-space robotics

ACCELERATORS & OTHER ENABLERS

Provides shipbuilding and oil & gas accelerators and innovation programmes access to confined-space robotics for industrial pilots, enabling real-world validation, qualification pathways, and workflow integration

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.armatrix.in/

Avataar.ai

Agentic AI platform for enterprise AI-native transformation driving operational turnaround, operating leverage and scalable growth

MEET THE FOUNDING TEAM

Sravanth Aluru
CEO & Co-founder
B.Tech IIT, Bombay; MBA, Wharton School

Gaurav Baid
Co-Founder
MBA, FMS

CORE PROBLEM STATEMENT

Enterprise AI deployments remain trapped at pilot stage constrained by prohibitive compute costs, insufficient domain accuracy, and the absence of a unified intelligence layer

SOLUTION OVERVIEW

- Autonomous, domain-specific agentic AI agents that reason, decide, and execute end-to-end workflows—with adaptive human control as needed
- Proprietary task specialized models that beat LLM accuracy at up to 10x lower cost and latency
- Central 'organizational brain' orchestrating cross-functional workflows and compounding decision intelligence over time

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2014
Founding year

9+
Patents

3x
Higher accuracy vs LLMs

~$56M
Funding raised

90%+
Productivity improvements

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

Avataar's platform delivers measurable productivity gains for global enterprises seeking AI-native transformation and operating leverage at scale

RESEARCH INSTITUTES

Anchored in 11+ years of AI R&D, with leading academic collaborations (UC Berkeley AI Research, MIT Labs, IIT-D) translating frontier research into SoTA models powering the Avataar platform

CAPITAL PROVIDERS

Purpose-built for enterprises re-architecting operations for AI-native execution —delivering intelligence-led efficiency, margin expansion, and defensible competitive advantage

ACCELERATORS & OTHER ENABLERS

Enables private equity-led value creation and strategic partnerships to scale enterprise-wide AI-native transformation across domains

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.avataar.ai

Axonwise (Sarvam AI)

India's sovereign full-stack AI platform building full-stack foundation models, speech AI, and enterprise agents for Indian languages

MEET THE FOUNDING TEAM

Pratyush Kumar
Co-Founder & CEO
PHD, ETH Zurich; Btech, IIT Bombay

Vivek Raghavan
Co-Founder
B.Tech, Electrical Engineering, IITD; Ph.D, Electrical & Computer Engineering, Carnegie Mellon University

Saurabh Kumar Karn
Head of Education & Founding Member
BE. Mechanical Engineering, Tezpur University

CORE PROBLEM STATEMENT

India's public institutions and regulated enterprises lack auditable, sovereign, linguistically inclusive AI systems deployable without dependence on foreign hyperscalers

SOLUTION OVERVIEW

- Full-stack sovereign India-trained AI platform with owned data, weights, and multilingual excellence
- End-to-end sovereign, Indic-native agent stack across LLM, speech, and orchestration layers
- Compounding data moat with proprietary Indic datasets and sovereign compute flywheel

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2023
Founding year

22
Indian languages powered by Enterprise-AI solutions

~$41M
Funding raised

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

Sarvam's sovereign agent stack and Indic-language-native LLM platform offer European enterprise partners early access to differentiated AI infrastructure for India market entry and sovereign AI procurement

RESEARCH INSTITUTES

Sarvam's open-weight 105B and 30B models and proprietary Indic speech datasets offer research institutes joint innovation opportunities in multilingual AI, sovereign model architectures, and speech intelligence

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.sarvam.ai

BrainSightAI

AI-driven brain connectomics platform for high-resolution functional mapping and precision neurosurgical decision support

MEET THE FOUNDING TEAM

Laina Emmanuel
Founder & CEO
MBA, Indian School of Businness ; B.Tech, E&C, NIT Calicut

Dr. Rimjhim Agrawal
Founder & CTO
Ph.D, Machine Learning in Psychiatry, National Institute of Mental Health and Neuro Sciences ; M.Tech, Biotechnology ,VIT

CORE PROBLEM STATEMENT

Limited functional brain network insights limit accurate diagnosis, surgical planning, and personalized treatment of neurological disorders

SOLUTION OVERVIEW

- Connectomic brain mapping using multimodal MRI data
- Voxel-level connectivity models for surgical planning
- Automated neuroimaging pipeline for structural and functional analysis

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2019
Founding year

6x
Improvement in time for functional connectivity mapping of the brain

$7M
Funding raised

2-180x
Faster rehabilitation from severe functional losses

- CDSCO manufacturing license and ISO 13485 certification

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

BrainSightAI's neuroimaging AI enables advanced brain analytics, well suited for technology integration, pilots, and procurement partnerships with global medtech and healthcare organizations

RESEARCH INSTITUTES

Clinical-grade neuroimaging AI built for multi-site deployment, enabling collaborative research, validation studies, and dataset generation with leading neuroscience and academic institutions

GRANT PROVIDERS

Pursuing funding from French and European bodies to accelerate R&D and clinical validation ahead of CE Mark

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.brainsightai.com

Cyran AI Solutions

Hardware-optimized edge AI delivering real-time, multi-sensor intelligence across geospatial, defence, and industrial environments

MEET THE FOUNDING TEAM

Dr. Manan Suri

Founder

PhD, Nanoelectronics, INP Grenoble; MS & BS, Cornell University

Vikrant Khazanchi

Chief Growth Officer

B.Tech, IIT Delhi

CORE PROBLEM STATEMENT

High-value sensor data is being generated faster than it can be processed, and current AI architectures are too compute-heavy, latency-bound, and infrastructure-dependent to turn that data into real-time, actionable intelligence in constrained environments

SOLUTION OVERVIEW

- AI-native sensor fusion and neuromorphic sensing platform for real-time geospatial intelligence and predictive maintenance
- Sovereign, interoperable intelligence stack with pre-trained models across 20+ sensor types, deployable across cloud, edge, and air-gapped environments
- Purpose-built edge hardware with dedicated AI accelerators, co-designed with the software stack for high-performance inferencing within strict power and latency constraints

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2018
Founding year

~$3M
3-year avg annual revenue

70%
Resource efficiency via neuromorphic techniques

$12.5M
Contracts secured (2019–2025)

60x
Faster geospatial data processing

50
Active workforce

- Two-time iDEX Winner — DISC 4.0 & ADITI 1.0
- Raksha Mantri Award for Excellence in Aerospace & Defence
- DST National Technology Startup Award
- DRDO Dare to Dream Award

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

CYRAN AI Solutions validated edge AI stack enables co-development, payload integration, and procurement partnerships with European defence primes and industrial automation majors seeking trusted, ITAR-free embedded intelligence platforms

RESEARCH INSTITUTES

Rooted in IIT Delhi's neuromorphic and edge AI research, CYRAN AI Solutions offers strong joint innovation opportunities with leading European academic institutions in autonomous systems and edge AI architectures

POLICY BODIES & GOVT. AGENCIES

Seeking G2G engagement to navigate EU certification processes and engage Frontex and national agencies as early adopters of sovereign onboard surveillance intelligence

ACCELERATORS & OTHER ENABLERS

Focused on EU defence and industrial grants — including EDIP and NATO DIANA — to accelerate market entry and CE marking certification for industrial hardware

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.cyran.in

Detect Technologies

Making the industrial world a safer place through actionable Artificial Intelligence

MEET THE FOUNDING TEAM

Daniel Raj David
Founder & CEO
Btech, Mtech, IIT Madras

Tarun Kumar Mishra
Chief Strategy Officer & Co-founder
Btech, Mtech, IIT Madras

Karthik R
COO & Co-founder
Btech, IIT Madras

Harikrishnan A S
CTO & Co-founder
Btech, MTech IIT Madras

CORE PROBLEM STATEMENT

Manufacturing sector across O&G, Paper&Pulp, Construction, Chemicals and Ports are heavily reliant on human beings (Safety, ops, security and inspections) and are extremely manual. ~2.3Mn people a year lose their lives in the industrial frontlines on unsafe practices and environments creating a pressing need for an AI system that can identify all the safety and process risks in real-time and alert the required personnel to prevent incidents

SOLUTION OVERVIEW

- T-Pulse, a bleeding edge industrial Vision AI platform that enables real-time safety, operational, and process monitoring across facilities using existing camera infrastructure
- ICAS, an AI-powered safety system that prevents collisions involving forklifts, cranes, and personnel through real-time detection, proximity intelligence, and predictive alerts
- Agentic AI-enabled Safety Cockpit, an intelligent operations platform that autonomously monitors, analyzes, and orchestrates industrial safety workflows through real-time AI-driven insights, alerts, and decision support

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2016
Founding year

3+
Patents

60-97%
Reduction in safety risks

~$46M
Funding raised

42+
Countries deployed

upto 90%
Productivity improvements

- Shell Goal Zero Award — technology enabling zero industrial incidents globally
- Economic Times Startup Award — Best Startup in India
- Forbes India & Forbes Asia 30 Under 30
- Wharton India Economic Forum — Most Disruptive Startup

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

Global industrial and energy majors represent Detect's highest-value expansion channel. Multi-site enterprise agreements unlock deployment scale, proprietary training data, and co-development opportunities.

RESEARCH INSTITUTES

IIT Madras incubated; strong NDE research pedigree

CAPITAL PROVIDERS

Series B; global expansion across O&G, steel & power sectors. Ticket sizes in the series C Range

POLICY BODIES & GOVT. AGENCIES

Strategic fit with energy security & industrial safety mandates

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit
www.detecttechnologies.com

InMobi Technology Services

Independent full-stack adtech platform for real-time ad decisioning across 50k+ apps and 2B+ user-base and an intelligent shopping agent

MEET THE FOUNDING TEAM

Naveen Tewari
Founder & CEO
MBA, Harvard Business School; B.Tech, IIT Kanpur

CORE PROBLEM STATEMENT

Global digital advertising is concentrated within a few dominant platforms, limiting scalable monetization and independent alternatives for advertisers and publishers. Additionally, online shopping lacks personalized guidance for consumers

SOLUTION OVERVIEW

- InMobi is an independent full-stack adtech platform
- Enterprise depth at platform scale; SDK embedded across 50k+ apps globally
- Glance Ai solves both sides with a personalised shopping agent that lives directly on the device)

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2007
Founding year

~$280M
Funding raised

2B+
Daily user reach

~$300M
FY26 Revenue

50k+
App integrations

150+
Active countries

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

Partnerships with large European publishers for direct supply, global brands and agency holding groups on the demand side and mid-size European adtech companies as potential partners

CAPITAL PROVIDERS

Glance Ai operates at the intersection of agentic AI and commerce within the ~$4–5T global e-commerce market, with strong appeal to consumer tech, AI, and growth-stage investors seeking scalable, data-driven platforms

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.inmobi.com/

Miko

Physical AI intelligence solutions

MEET THE FOUNDING TEAM

Sneh Vaswani
Co-Founder & CEO
B.Tech, M.Tech, Metallurgical Engineering and Material Sciences, IIT Bombay

Prashant Iyengar
Co-Founder & CTO
M.Tech, Electronics, IIT Bombay; BE. Electronics, Atria Institute of Technology

Chintan Raikar
Co-Founder & COO
B.Tech, M.Tech, Aerospace Engineering IIT Bombay

CORE PROBLEM STATEMENT

Global trust crisis in AI demands a proven safety layer for physical AI platforms, especially those purpose-built for child development

SOLUTION OVERVIEW

- Licensable intelligence layer comprising Child Foundational Model, Empathic AI and Large Action Model deployable on any hardware
- Robot Foundation Model enabling machines to perceive, reason and act safely within human environments
- Award-winning robots delivering real-world social and emotional impact for children globally

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2015
Founding year

20
Patents

~500k+
Robots deployed

~$80M
Funding raised

100M+
Interaction hours

140+
Countries

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

Miko's Physical AI OS and robot platform offer content, retail and consumer electronics corporates a proven co-development and distribution partner

RESEARCH INSTITUTES

Miko's human-centred AI platform is well suited for child development and AI safety research partnerships

CAPITAL PROVIDERS

Miko operates in the high-growth Physical AI and foundation model market, well-suited to deep-tech and consumer technology investors

ACCELERATORS & OTHER ENABLERS

Miko's licensable AI platform presents strong opportunities across device OEMs, humanoid robotics and sovereign education programmes globally

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.miko.ai

Perceptyne

AI-powered robots for intelligent and dexterous tasks in electronics & automotive industries

MEET THE FOUNDING TEAM

Raviteja Chivuk
Co-Founder & CEO
M.tech, VLSI & B.Tech EE, IIT Madras

Mrutyunjaya Nadiminti
Co-Founder, CBO, Co-CTO
Masters in Management, IIT Bombay ; B.E(hons), Electrical & Electronics, BITS, Pilani

Jagga Raju Nadimpalli
Co-Founder & COO
PGDM, Finance, SPJIMR SP Jain Institute of Management & Research; B.Tech & M.Tech Engineering Design, IIT Madras

CORE PROBLEM STATEMENT

Manufacturing-heavy industries increasingly lack scalable automation solutions to offset declining skilled labor in complex assembly operations

SOLUTION OVERVIEW

- 7-dof, anthropomorphic, collaborative, vision-guided robotic arms with tactile & force sensing for assembly tasks
- Robotic Physical AI architecture that is robust, explainable and modular for industrial deployments that need high reliability and scalability
- Customizable end-effectors for delicate component handling and high cycle times

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2021
Founding year

~$4M
Funding raised

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

Perceptyne's AI-powered robotic arms deliver measurable automation gains well-suited to corporates in electronics and automotive assembly seeking pilot and scale opportunities.

RESEARCH INSTITUTES

Perceptyne's dexterous manipulation and Physical AI stack offer research institutes joint innovation opportunities in robotics, human-robot collaboration and industrial AI

CAPITAL PROVIDERS

Operates in the fast-growing global industrial robotics market, well-suited to deep-tech and growth funds financing next-generation factory automation

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.perceptyne.com/

QNu Labs

Full-stack quantum cybersecurity platform combining QKD, PQC, and QRNG for critical infrastructure and sovereign deployments

MEET THE FOUNDING TEAM

Sunil Gupta
Founder & CEO
EDP, IIM Calcutta; B.Tech, NIT Tiruchirapalli

Srinivasa Rao Aluri
Co-founder & Chairman
MBA, Osmania University ;B.Pharm (Hons), Engineering and Pharmaceuticals, BITS Pilani

Sudiptaa Paul Choudhury
Chief Marketing Officer
BE. Electrical IIEST, Shibpur

CORE PROBLEM STATEMENT

Imminent quantum threat is rendering existing encryption obsolete, with limited scalable, sovereign, and deployment-ready transition pathways available

SOLUTION OVERVIEW

- Full-stack QKD + PQC + QRNG quantum security platform
- Cryptographic asset discovery and key lifecycle management
- Sovereign quantum security for drone, satellite, and air-gapped deployments

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2016
Founding year

~$10M
Cumulative revenue

1k km+
QKD networks deployed

~$19M
Funding raised

25
Patents filed (11 granted)

#1
World's first quantum-secure satellite communication launched 2025

- Best Cybersecurity Company (2025), MSME & Innovation Summit
- Best tech brand, Economic Times (2025)
- Forbes Top 200 companies
- League of 10, Nasscom Emerge 50 Awards

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

QNu's QShield platform and sovereign quantum key distribution assets offer telecom, banking, defence and aerospace partners early access to differentiated quantum-safe security technology with pilot and procurement opportunities

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.qnulabs.com

Pramatra Space Technology

Quantum security venture building integrated hardware–software systems for quantum key generation and distribution across space and terrestrial networks to secure critical infrastructure against quantum-era threats

MEET THE FOUNDING TEAM

Richa Hukumchand

Founder & CEO

M.S. (Communications & Signal Processing), IIT Bombay; Executive MBA, UCLA

Vinay Hukumchand

Co-Founder & COO

B.A. (Hons) Economics, St. Stephen's College; M.A. Economics, JNU; MBA, ISB Hyderabad

CORE PROBLEM STATEMENT

Current encryption standards (RSA and ECC) will be broken by quantum computers, exposing sensitive communications across government, defence, banking, healthcare, and critical infrastructure to future decryption risks

SOLUTION OVERVIEW

- QimayaSat, a chip-scale QKD satellite payload for LEO deployment delivering one-fifth the size, one-fourth the cost, and double the key rate of conventional systems
- Qimaya, a terrestrial Hardware Security Module supporting both fibre and free-space QKD from a single device
- ETSI QKD 014 compliant Key Management System integrating with existing infrastructure via standardised API, enabling transition to quantum-safe security without replacing current networks

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2023
Founding year

~$1.3M
Pre-seed funding raised

11
Active workforce

- HDFC Tech Innovators 2025 — Top 12 Innovator Companies
- DRDO Innovative Technology Solutions Award, November 2025
- Techstars Space Accelerator 2024
- SPF 100 Desi DeepTechs

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

Pramatra's chip-scale hybrid QKD platform is well suited for pilot projects with enterprises in banking, defence, healthcare, and critical infrastructure seeking to test and deploy quantum-safe security ahead of Q-Day

RESEARCH INSTITUTES

Suitable for collaboration with quantum communications research institutions through joint publications, global validation of quantum-secure systems, and access to frontier deep-tech research and talent exchange

CAPITAL PROVIDERS

Offers investors exposure to Indian deep-tech with EU expansion potential, including quantum security technologies, early pilot deployments, and scalable pathways into regulated European markets

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.pramatra.space/

QpiAI

Full-stack Quantum-AI company building Quantum Computers, Quantum & AI Software Platforms, and industry-scale enterprise solutions

MEET THE FOUNDING TEAM

Dr. Nagendra Nagaraja

Founder & CEO

Ph.D. in Wireless & AI, Coventry University
MS in EECS, Illinois Institute of Technology
MPEFB, Management IIM Bangalore

CORE PROBLEM STATEMENT

Classical modeling and compute face limitations in solving intelligence. We're solving problems for large-scale optimization, simulation, and quantum AI across industries such as pharma, materials, manufacturing, mobility, and finance

SOLUTION OVERVIEW

- Quantum Computers with data center-scale HPC infrastructure
- Quantum development tools, libraries, and cloud platforms, along with domain-specific quantum & AI solutions
- 25 and 64 qubit systems, and positioned for 1000+ qubit processors by 2028

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2019
Founding year

~$40.5M
Funding raised

- Supported by India's National Quantum Mission
- On-prem 25 Qubit QC deployment contract with a premier Indian research institute
- On-prem 8 Qubit QC deployment contract with an Indian university
- Quantum Solutions partnerships with global pharma and automotive majors

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

QpiAI's solutions provide quantum adoption pathways to enterprises in pharma, life sciences, advanced materials, automotive, aerospace, finance, logistics, and manufacturing sectors

RESEARCH INSTITUTES

Suited for quantum computer deployment in HPC centers, and access to QpiAI's quantum cloud, SDKs, and libraries for research and development, and learning platforms for education

CAPITAL PROVIDERS

Operates in the ~$500Bn global Advanced Computing market with strong double-digit growth tailwinds, with frontier technology investors

POLICY BODIES & GOVT. AGENCIES

QpiAI advances national priorities in sovereign computing infrastructure development and strengthens technology for solutions in semiconductors, aerospace, defense, cyber security, and biotechnology

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

Quanfluence

Photonic Ising Machine delivering quantum-inspired optimization for complex combinatorial problems at enterprise scale

MEET THE FOUNDING TEAM

Aditi Vaidya
Co-Founder & CPO
Btech, Pune University

Biman Chattopadhyay
Co-Founder & CTO
Btech, Jadavpur University

CORE PROBLEM STATEMENT

Classical optimization methods fail at large-scale combinatorial problems, creating bottlenecks in supply chain, logistics, and simulation-heavy industries

SOLUTION OVERVIEW

- Photonic Ising machine solving large-scale combinatorial optimization at room temperature
- Patented coherent optical computing architecture delivering all-to-all connectivity and ultra-low energy use
- Flexible on-premise and cloud deployment serving enterprise optimization across logistics, finance, and energy

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2021
Founding year

9
Patents filed, 1 granted for Optiqon

~$3M
Funding raised

6+
Enterprise pilots and deployments, incl. on-prem machine

- Top Emerging deep-tech startups, Nasscom Emerge 50 awards

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

Quanfluence's patented Optiqon platform offers hardware accelerated optimization to supply chain and logistics industry, finance, manufacturing and energy sectors

RESEARCH INSTITUTES

Optiqon, a practical platform for advancing research in optimization, photonics, and quantum computing while accelerating the transition toward full-stack quantum systems

ACCELERATORS & OTHER ENABLERS

Quanfluence offers early access to breakthrough photonic optimization technologies, enabling incubators, innovation hubs, and ecosystem partners to accelerate deep-tech adoption and industrial innovation

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.quanfluence.com

02

Advanced Materials

STARTUPS

CeraTattva InnoTech

Proprietary ceramic-based traceability labels, tags, and markers surviving up to 1,600°C for in-process industrial asset tracking

MEET THE FOUNDING TEAM

Dr. Ganesh Babu T

Founder & CEO

PhD Chemistry, VSSC, ISRO, Post-doctoral Fellowship, IIT-Madras

Dr. Abha Bharti

Co-founder & CTO

PhD Chemistry, VSSC, ISRO, Post-doctoral Fellowship, ARCI

CORE PROBLEM STATEMENT

Sharpened with specific high-temperature industries (steel, glass, ceramics, advanced manufacturing) to make the use case more tangible for readers

SOLUTION OVERVIEW

- Ceramic labels, tags, and markers for 500–1,600°C environments
- Material-integrated traceability that survives the process itself
- End-to-end asset marking across metals, glass, and ceramics

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2022
Founding year

$85k
Revenue FY25-26

$260k
Funding raised

- NASSCOM Emerge 50 Awardee 2024
- Winner Boeing BUILD 2.0 2023
- TANSEED 4.0 Grant Awardee 2023

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

Industrial manufacturers seeking high-temperature traceability for in-process asset tracking, well-suited for pilots and procurement partnerships

CAPITAL PROVIDERS

Early access to a first-of-kind ceramic traceability platform serving a large and growing global industrial traceability market

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.ceratattva.com

Midwest Advanced Materials

Next-generation permanent magnets driving electrification & sustainable mobility

MEET THE FOUNDING TEAM

Kukreti Soumya

CEO & Director

Bachelors, Business and Commerce, IIMC

CORE PROBLEM STATEMENT

90%+ of rare earth magnet supply is concentrated, creating strategic vulnerability and supply chain dependence for EVs, defence and other hi-tech industries

SOLUTION OVERVIEW

- High-performance NdFeB magnets for EV motors, wind generators and defence
- Sustainable extraction and refining of heavy mineral sands and rare earth minerals
- Precision magnet manufacturing with diamond wire cutting for sizing, machining, shaping, cutting, grain boundary engineering

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2022
Founding year

~$20M
Funding raised

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

Midwest Advanced Materials' rare earth magnet platform offers EV OEMs, wind mill and defence companies a supply-chain-secure sourcing and co-development partner

RESEARCH INSTITUTES

Midwest Advanced Materials' full value chain rare earth platform enables materials science and process innovation, well suited for research and co-development partnerships

CAPITAL PROVIDERS

Midwest Advanced Materials operates in the strategic critical minerals space, well-suited to impact, deep-tech and national security-focused investors

POLICY BODIES & GOVT. AGENCIES

Midwest Advanced Materials' domestic rare earth magnet manufacturing capability aligns strongly with critical minerals security and strategic self-reliance policy goals

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.midwest.in

03

Agri & FoodTech

STARTUPS

BacAlt Biosciences

Sustainable bio-based polymers from agricultural waste intended to eliminate microplastics

MEET THE FOUNDING TEAM

Shruti Kutmutia

Co-Founder & CEO

BS, Microbiology , Fergusson College; M.Sc. Bioinformatics, IBAB

Pranav Nair

Co-Founder

Ph.D, Microbiology, CSIR- National chemical laboratory; Fergusson College

CORE PROBLEM STATEMENT

FMCG relies on synthetic polymers contributing ~3.2M tonnes of microplastics annually. Despite regulatory pressure to phase them out, adoption is constrained by high-cost alternatives, limited scalable production, and lack of functional bio-based replacements

SOLUTION OVERVIEW

- ReRaw, a proprietary BC-PGA biopolymer blend replacing 3-5 synthetic additives with a single biodegradable ingredient across personal care, home care, oral care, and pharma formulations
- Proprietary non-sterile fermentation platform targeting $18-30/kg at scale, a 5-10x cost reduction versus incumbent biopolymers
- Waste-to-polymer production using agro-industrial fruit waste, enabling scalable and affordable bio-ingredient manufacturing

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2023
Founding year

~$2M
Funding raised

2
Provisional patents filed

2-3x
BC and PGA yields above industry benchmarks

- National Biotech Championship Winner, C-CAMP 2024
- BIRAC BIG Grant Winner 2024
- Elevate 100 Karnataka Grant Winner 2023
- Meet the Drapers International Pitch Competition Winner 2025

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

BacAlt's BC-PGA blend system is well suited for co-development, supply, and distribution partnerships with European specialty chemical majors, FMCG formulators, and ingredient distributors, enabling EU market entry ahead of microplastic phaseout deadlines

RESEARCH INSTITUTES

BacAlt's proprietary non-sterile fermentation platform and novel blend architecture offer research institutions joint innovation opportunities in sustainable bio-based materials, biodegradability validation, and next-generation biopolymer science

CAPITAL PROVIDERS

BacAlt's waste-to-polymer model and EU-aligned product portfolio offer sustainability-focused CVCs and impact investors an early position in the first mass-market biopolymer system engineered for FMCG reformulation at scale

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.bacalt.bio

Intello Labs

AI-powered computer vision platform for automated, zero-touch fruit grading and packing at packhouse scale

MEET THE FOUNDING TEAM

Milan Sharma
Co-Founder & CEO
IIT Bombay Mechanical Engineering ; Ex Snapdeal, Evalueserve, AbsolutData Analytics

Nishant Mishra
Co-Founder & CTO
B.Tech, M.Tech, CS, IIT Bombay

CORE PROBLEM STATEMENT

Manual, multi-touch post-harvest processes drive quality inconsistency, contamination risk, and value leakage

SOLUTION OVERVIEW

- Zero-touch packing linked to the grading system
- AI fruit grading that replaces manual visual sorting

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2016
Founding year

80-90%
Less Manual Handling

~$15M
Funding raised

2-3x
Higher Efficiency

- Recognized Leader in Deep Tech, NASSCOM AI for Good Initiative
- Winner at Future Food Asia, Startup SG Tech Award 2019

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

Intello Labs' AI grading and zero-touch packing enable post-harvest automation, well suited for pilots and procurement partnerships

GLOBAL ACCELERATORS

Intello Labs' AI grading platform enables agri supply chain automation, well suited for agri-tech innovation programmes

CAPITAL PROVIDERS

Intello Labs operates in the ~$45Bn global Agritech market, growing at 10%+ CAGR, well-suited to growth and impact investors

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.intellolabs.com

NIQO Robotics

Made in Bharat, AI-powered precision ag robots designed to provide sustainable, intelligent solutions for all weeding problems around the globe

MEET THE FOUNDING TEAM

Jaisimha Rao

Founder & CEO

BS, Electrical and Computer Engineering , Carnegie Mellon University

CORE PROBLEM STATEMENT

Globally, farms are grappling with the twin challenges of labor shortages & rising costs, making it increasingly difficult to perform time-sensitive crop care activities like weeding without cutting into profit margins for farmers

SOLUTION OVERVIEW

- AI-powered precision robots that enable targeted agrochemical spraying reducing costs, lowering labor dependency, and making weeding more precise, profitable, and sustainable
- Built to be tractor-pulled, Niqo's AI-powered precision robots work with equipment farmers already own, enabling easy and practical adoption
- Powered by proprietary AI camera, Niqo's robots can distinguish between crops and weeds to selectively spray only on the target plant

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2015
Founding year

~200k+
Acres sprayed

~$21M
Funding raised

~3k+
Farmers benefitted globally

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

NIQO Robotics' precision ag platform offers agrochemical and agri-equipment corporates a proven strategic investment and co-development partner

RESEARCH INSTITUTES

NIQO Robotics' computer vision and precision agriculture platform is well suited for sustainable farming and agri-robotics research partnerships

CAPITAL PROVIDERS

NIQO Robotics operates in the high-growth global agri-tech market, well-suited to growth and impact focused investors

POLICY BODIES & GOVT. AGENCIES

NIQO Robotics' smallholder-focused precision ag platform aligns with sustainable agriculture and farmer welfare policy objectives

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.niqorobotics.com

Sea6 Energy

Vertically integrated tropical seaweed cultivation and biorefinery platform producing biostimulants, biomaterials, and biofuels at scale

MEET THE FOUNDING TEAM

Sri Sailaja Nori
Co-founder & Chief Scientific Officer
B.Tech, M.Tech, Biotechnology, IIT Madras

Shrikumar Suryanarayan
Co-founder & Managing Director
M.Tech, Biochem & Biotech, IIT Delhi ; B.Tech, Chemical, IIT Madras

Nelson Vadassery
Co-founder & CEO
B.Tech, M.Tech, Biotechnolog, IIT Madras

Sowmya Lakshmi Balendiran
Co-founder & CBO
B.Tech, Biotechnology,
Anna University Chennai; EPYP, IIM, Calcutta

Akshat Shah
CFO
BA. Economics, finance, Washington and Lee university

CORE PROBLEM STATEMENT

Land-based bio-feedstocks compete with food security; scalable, low-cost ocean biomass cultivation has been chronically inaccessible

SOLUTION OVERVIEW

- Mechanized ocean farming for tropical seaweed
- Vertically integrated seaweed-to-biorefinery processing
- Seaweed-derived biostimulants, biomaterials, and biofuels

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2010
Founding year

$10M+
FY26 Revenue

10+
Large strategic partners

20M+
Acres reached globally

~$30M
Funding raised

400+
Active workforce

30+
Country presence

12+
Patent families globally

- Top 11 Ocean innovators by Uplink, World Economic forum in 2021
- Featured in Adani Green Talks 2025

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

Sea6 Energy's vertically integrated seaweed platform and commercially deployed biostimulants offer agri-corporates a scalable, sustainable ingredient supply chain

RESEARCH INSTITUTES

Sea6 Energy's seaweed platform enables bio-ingredient development, well suited for research and co-development partnerships

CAPITAL PROVIDERS

Sea6 Energy operates in the ~$45Bn global Agritech market, growing at 10%+ CAGR, well-suited to growth and impact investors

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.sea6energy.com

String Bio

Proprietary SIMP® biomanufacturing platform converting greenhouse gases into scalable, high-value nutrition products across food, feed & agriculture

MEET THE FOUNDING TEAM

Dr. Ezhil Subbian

Co- founder & CEO

PhD, Biochemistry, Molecular Biology, and Biophysics, Oregon Health & Science University; B.Tech in Industrial Biotechnology, Anna University

CORE PROBLEM STATEMENT

Methane, responsible for ~30% of global warming, and having over 80× more potency than CO_2 in the near term, remains largely unutilized due to the absence of scalable, economically viable conversion pathways

SOLUTION OVERVIEW

- Proprietary SIMP® platform enabling microbial conversion of methane into high-value products
- Production of performance differentiated ingredients across multiple end-use markets
- Modular, scalable biomanufacturing systems designed for industrial deployment

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2013
Founding year

60+
Global Patents

220k Sq Ft
Biomanufacturing capacity enabled

180+
Active workforce across R&D, engineering, operations, and sales

15+
Products developed across agri, food & feed, and industrial applications

5+
Countries market entry through agriculture applications

- Best Worldwide Deep Tech Startup (Food), France 2017
- BIRAC Innovator Award (2018)
- Times of India 11th Earth Care Award for Excellence in Climate Mitigation and Adaptation (2023)

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

String Bio's SIMP® platform enables greenhouse gas valorization into low-carbon ingredients, supporting sustainable sourcing and supply chain decarbonization across food, agriculture, and industrial sectors

RESEARCH INSTITUTES

String Bio's SIMP® platform enables low-carbon bioconversion, well suited for research and co-development partnerships

CAPITAL PROVIDERS

String Bio's platform spans multiple high-growth markets including alternative proteins, industrial biotechnology, and sustainable agriculture, enabling diversified revenue streams and scalable expansion

POLICY BODIES & GOVT. AGENCIES

String Bio's methane bioconversion model enables measurable climate impact, well suited for funding and policy partnerships

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.stringbio.com

04 Biotechnology

STARTUPS

Ahammune Biosciences

First-in-class non-steroidal topical small molecule (AB1001) targeting immune-melanocyte pathways for durable vitiligo repigmentation

MEET THE FOUNDING TEAM

Dr. Krishnamurthy Natarajan

Co- Founder, Non-Executive Director, Board Member

Dr. Parul Ganju

Co-founder & CEO

B.Sc and Msc.,Biochemistry, Delhi University; Doctor of Philosophy (Ph.D.), Skin Biology, National Institute of Immunology

CORE PROBLEM STATEMENT

Lack of disease-modifying therapy for vitiligo with major dependence on steroids and JAK inhibitors that carry safety limits, high cost, and inconsistent outcomes

SOLUTION OVERVIEW

- First-in-class non-steroidal topical therapy (AB1001)
- Proprietary immuno-dermatology discovery platform
- Strong IP moat with international patents (US & India) across compound classes

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2016
Founding year

~$8M
Funds raised

- NASSCOM Emerge 50 Awards

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

Ahammune's AB1001 platform enables non-steroidal dermatology assets, well suited for pilots and partnerships

RESEARCH INSTITUTES

Clinical-stage immuno-dermatology platform with Phase I human data, strong fit for translational research collaboration in autoimmune skin disease

CAPITAL PROVIDERS

Ahammune operates in the ~$200Bn global Biotech market, growing at a steady rate; strong fit to value and growth investors

ACCELERATORS & OTHER ENABLERS

First-in-class AB1001 platform enables immuno-dermatology therapies, well suited for biotech innovation programmes

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit
www.ahammune.com

AmyScan Healthcare

Patented blood-based α-synuclein amplification diagnostic for ~90% accurate, minimally invasive Parkinson's disease detection

MEET THE FOUNDING TEAM

Samir K. Maji
Founder & Director
Masters in chemistry, University of Calcutta ; Ph.D Peptide chemistry, Indian Association for the Cultivation of Science

Ranjit Shaw
COO
M.Sc Zoology, Institute of Science- Banaras Hindu University ; B.Sc Honours Zoology, University of Calcutta

Bhumi Davda
Co-founder
Bachelors in Life Sciences & Biochemistry, St. Xavier's College; Master's in Biochemistry, University of Mumbai

Sonali Maji
Co-founder & Director

CORE PROBLEM STATEMENT

Unavailability of reliable, affordable, minimally invasive tests for Parkinson's cause late diagnosis and missed treatment windows

SOLUTION OVERVIEW

- Patented mutant-based amyloid amplification
- Engineered alpha-synuclein seeds for blood-based detection
- PCR-like amplification for Parkinson's diagnostics

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2024
Founding year

~$0.5M
Funding raised

- TechX Startup Innovation Showcase (IKMC 2025)

90%
Diagnostic accuracy in the initial patient-serum cohort

150+
Clinical samples validated through multicentric hospital trials

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

AmyScan Healthcare's patented α-synuclein assay enables Parkinson's biomarker detection, well suited for pharma partnerships

RESEARCH INSTITUTES

AmyScan Healthcare's patented α-synuclein amplification platform and multicentric clinical validation position it as a strong translational research partner for neurodegeneration institutes

CAPITAL PROVIDERS

AmyScan Healthcare operates in the ~$200Bn global Biotech market, growing at a steady rate; strong fit to value and growth investors

ACCELERATORS AND OTHER ENABLERS

Blood-based α-synuclein assay enables early detection, well suited for neurology innovation programmes

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.amyscan.com

ATGC Biotech

First-in-class crop protection using behavioral modifiers and sex pheromones for sustainable pest control

MEET THE FOUNDING TEAM

Dr. Markandeya Gorantla
Co-founder, Chairman and MD
Genome Sciences - Research Doctorate University of Georgia & Ph.D University of Hyderabad

Vijaya Bhasker Reddy
Co- Founder & Executive Director

Rolando Algeria
Global CEO
MBA, Aden Business School;
Bachelors, Agriculture Engineering, Instituto Tecnologico Agropecuario

CORE PROBLEM STATEMENT

Chemical pesticide overuse and consequent resistance leaves farmers with sub-optimal outcomes and limited scalable, affordable and eco-friendly alternatives

SOLUTION OVERVIEW

- Novel behavior-modulation platform for pheromone-based pest control
- Drone-Optimized Delivery Platform for aerial spraying at scale
- Controlled-release systems for sustained pheromone emission

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2011
Founding year

$20M
$10 Equity and $10 M non dilutive

50+
Pheromone molecules developed and exported

100k+
Farmers use ATGC products

200k+
Acres under annual commercial deployment

- Best Innovation Award – DBT
- Agricultural Grand Challenge Award
- Innovation Leadership Award 2025

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

ATGC's pheromone platform and multi-signal pest control assets offer agri-corporates a proven, sustainable crop protection alternative; strong candidate for pilot and procurement partnerships

RESEARCH INSTITUTES

ATGC's pheromone-behavior dataset and biocontrol platform offer agri-research institutes a proven co-development partner

CAPITAL PROVIDERS

ATGC operates in the~$200Bn global Biotech market with steady historic growth, well-suited to growth and ESG investors

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.atgc.in

East Ocyon Bio

OTS allogeneic CAR-NK and T cell therapy platform targeting solid tumors, hematological malignancies, and autoimmune diseases

MEET THE FOUNDING TEAM

Dr. Dinesh Kundu
CEO & Co-founder
MBA, ISB; MBBS, Armed forces medical college

Dr. Renu Kundu
Director & Co- founder
Ph.D, Prosthodontics, crown & bridge, Gujarat University; MDS, PG institute of Dental Science

Prof. Narinder Kumar Mehra
Director & Co- founder
PhD, Former Dean Research AIIMS, New Delhi

CORE PROBLEM STATEMENT

Autologous CAR-T therapies are patient-specific, expensive, and slow to manufacture, limiting access for large sections of eligible patients

SOLUTION OVERVIEW

- CAR-engineered NK and gamma-delta T-cell therapies
- OTS allogeneic production from healthy donors
- Viral vector engineering plus GMP-ready manufacturing

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2022
Founding year

#1
India's OTS Allogeneic CAR-NK Cell Therapy For Solid Tumours

$4M
Funding raised

- Best HealthTech Startup South Asia region- Global Startup Awards 2026

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

East Ocyon Bio's off-the-shelf CAR-NK and γδ T-cell platform and GMP-ready manufacturing offer cell therapy corporates early access to next-gen allogeneic immunotherapy

ACCELERATORS & OTHER ENABLERS

Allogeneic cell therapy platform enables multi-tumor pipelines, well suited for CGT innovation programmes

CAPITAL PROVIDERS

East Ocyon Bio operates in the ~$200Bn global Biotech market, growing at a steady rate; strong fit to value and growth investors

RESEARCH INSTITUTES

CAR-NK and γδ T-cell allogeneic platform with multi-tumor preclinical validation — strong fit for translational oncology research & clinical partnership

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.eastocyonbio.com

Eyestem Research

Allogeneic iPSC-derived retinal cell therapy reversing vision loss in Geographic Atrophy

MEET THE FOUNDING TEAM

Dr. Jogin Desai
Founder & CEO
Ex Co-founder & Director, Ignite Lifesciences, Center for Eye Genetics; Ex- CEO Cenduit

Dr. Rajani Battu
Co-Founder & CMO
PhD, Inherited Retinal Disease Maastricht University, MBBS, Bangalore Medical College; Master's, St. John's Medical College, Bangalore

Rajarshi Pal
Co-Founder & Chief Scientist
P.h.D, Life Sceinces, Manipal Academy of Higher Education; Masters Degree, Molecular Genetics, University of Calcutta

CORE PROBLEM STATEMENT

Lack of approved therapy globally to restore vision in dry AMD has left ~200M patients worldwide without a curative option

SOLUTION OVERVIEW

- Retinal cell replacement platform with integrated manufacturing capacity
- Allogeneic OTS retinal cell therapy platform
- Multi-disciplinary platform spanning ophthalmology, pulmonary and neurodegenerative diseases

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2015
Founding year

~$17M
Funds raised

20+
Active workforce

- Innovator of the Year award at the ET Startup Awards 2022

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

Eyestem's iPSC-derived RPE platform enables cell therapy for dry AMD, well suited for clinical and biotech partnerships

RESEARCH INSTITUTES

Eyestem's iPSC-derived RPE platform and Phase I retinal program position it as a strong translational research partner

CAPITAL PROVIDERS

Eyestem operates in the ~$200Bn global Biotech market, growing at a steady rate; strong fit to value and growth investors

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.eyestem.com

FermBox Bio

Biotech research & manufacturing company, developing sustainable, bio-based alternatives to animal, plant or petrochemical-derived traditional products using precision fermentation and advanced biotechnology

MEET THE FOUNDING TEAM

Subramani Ramachandrappa

Founder & MD

MBA, ISB ; Former Founder, Richcore Lifesciences (Acquired by Laurus Labs)

Preeti Dharmagoudar

Co-Founder & Director (Product Strategy)

MBA, ISB & International Business, IFIM | Ex-Abbott Nutrition & Ex-Biocon

Dr. Ramanan Thirumoorthy

Co-Founder & CSO

PhD, Biochemistry, University of Florida, MsC, Chemistry, IIT Madras | Ex-Laurus Bio

CORE PROBLEM STATEMENT

Industrial supply chains remain heavily dependent on plant-, animal- and petrochemical-derived raw materials. Climate change, geopolitical volatility and resource constraints are increasing raw material supply risk, creating the need for more resilient, sustainable alternatives

SOLUTION OVERVIEW

- Industrial: Bio-based key starting ingredients and energy-linked solutions for cleaner industrial supply chains
- Flavors & Fragrances: Precision fermentation-based ingredients for sustainable flavor and fragrance applications
- Health, Wellness & Life Sciences: Clean-label nutraceutical ingredients, animal-origin-free recombinant proteins, and enzymes for research and wellness applications

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2022
Founding year

$1.5M
Revenue FY26

6
Patents filed

$17M
Funding raised

$8M
Projected revenue FY27

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

Fermbox Bio's precision fermentation platform offers corporates a proven partner for bio-based ingredient sourcing, process scale-up and fermentation-led manufacturing

RESEARCH INSTITUTES

Fermbox Bio's synthetic biology and bioprocess platform enables specialised strain and enzyme research, well suited for co-development partnerships

CAPITAL PROVIDERS

Fermbox Bio operates in the fast-growing global agri and biotech space, well-suited to impact and growth investors aligned with sustainable biomanufacturing

ACCELERATORS & OTHER ENABLERS

Fermbox Bio's bio-based ingredient portfolio is well positioned for co-commercialization and market entry partnerships across global regions

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit https://fermbox.bio/

ImmunoACT

Clinical-stage biopharma company delivering affordable, next-gen CAR-T cell therapies for cancer through integrated, in-house R&D and manufacturing

MEET THE FOUNDING TEAM

Rahul Purwar

Founder and Chairman

Postdoc, Harvard Medical School; PHD, Medizinische Hochschule Hannover; Msc, University of Lucknow; Bsc, University of Lucknow

Shirish Arya

Co-founder and Director

MBA, Marketing, IMDR, Pune; B.Sc. Rajasthan University

CORE PROBLEM STATEMENT

High cost, import dependency, and complex logistics have made life-saving CAR-T therapies largely inaccessible across emerging markets

SOLUTION OVERVIEW

- Proprietary humanised anti-CD19 CAR-T construct with US patent protection
- In-house GMP lentiviral vector manufacturing platform
- Validated vein-to-vein supply chain across 70+ hospitals

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2018
Founding year

~$19M
Funding raised

700+
Patients infused

250+
Active workforce

~$7M
FY25 Revenue

4
Patents (1 in USA, 3 in India)

70+
Hospitals connected

- BioSpectrum Asia Startup of the Year 2024

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

ImmunoACT's proprietary humanised CAR-T platform and fully integrated lentiviral vector manufacturing assets offer pharma partners early access to differentiated cell therapy technology with licensing and co-development opportunities

CAPITAL PROVIDERS

ImmunoACT operates in the $150-300B global Biotechnology market with 8% CAGR, with 500%+ revenue growth in FY25, well-suited to growth investors

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.immunoact.com

MSN Vaccine Platform

Proprietary self-assembling nanocage platform enabling thermostable, multivalent vaccines for pandemic preparedness and global access

MEET THE FOUNDING TEAM

Dr. Sweety Samal

Founder

Ph.D Molecular Virology, University of Maryland; Bachelor ofv veterinary medicine, OUAT

Dr. Amit Awasthi

Co-Founder

Dr. Shubbir Ahmed

Co-Founder

Ph.D, JNU; MS, Zoology, University of Kalyani; ; BS. Zoology, University of Burdwan

CORE PROBLEM STATEMENT

Conventional vaccines face cold-chain dependence, limited multivalent capability and slow variant adaptability, constraining rapid pandemic response in resource-limited settings

SOLUTION OVERVIEW

- Patented Multimeric Self-assembling Nanocage platform enabling plug-and-play multivalent antigen display using cost-effective bacterial expression
- Proprietary thermostable next-generation Mpox vaccine designed for rapid deployment in endemic and outbreak settings
- Proprietary pan-betacoronavirus vaccine candidates incorporating conserved cross-variant epitopes for broad, durable immune protection

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

~$12.5M
Funding raised

2
Patents

5
Vaccine development programs

3
Big pharma industry collaborations

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

MSN platform's plug-and-play architecture offers vaccine manufacturers a proven co-development and technology transfer partner

RESEARCH INSTITUTES

MSN platform's nanocage technology is well suited for translational immunology and infectious disease research partnerships

CAPITAL PROVIDERS

Operates in the high-growth global vaccine and pandemic preparedness market, well-suited to impact and life sciences investors

POLICY BODIES & GOVT. AGENCIES

Thermostable, low-cost design aligns with pandemic preparedness, equitable access and strategic vaccine self-reliance objectives

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www. thsti.res.in

Nayam Innovations

Customized freeform IOL platform delivering patient-specific vision correction for cataract and other complex eye conditions

MEET THE FOUNDING TEAM

Tanuj Gigras
Co- Founder & CEO
B.Tech., IIT Bombay; Innovation Management and Entrepreneurship, University of Cambridge

Dr. Surendra Ponrathnam
Co-founder & Scientist
MS Chemistry, University of Madras

Julia Ann Kornfield
Prof of Chemical Engineering at Caltech, Co-Founder

CORE PROBLEM STATEMENT

Standardized, one-size-fits-many intraocular lenses fail patients with advance, irregular corneas and complex optics, limiting visual outcomes

SOLUTION OVERVIEW

- IP-led intraocular lens platform for patient-specific vision correction
- Proprietary E-SITE™ and I-SITE™ platforms for customized aberration correction

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2012
Founding year

~3x
YoY revenue growth in FY25-26

~$4M
FY26 Revenue

~$4M
Funding raised

- Medtech Innovator Johnson and Johnson award

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs
Nayam's proprietary platform enables differentiated solutions, well suited for MNC partnerships

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit
www.nayaminnovations.com

OmniBRx Biotechnologies

Single-use bioreactor platforms enabling scalable, cGMP compliant production of vaccines, viral vectors, and cell and gene therapies

MEET THE FOUNDING TEAM

Ravindra Kumar Patel
Founder and CEO
Msc, Sardar Patel University;

CORE PROBLEM STATEMENT

Cell-based biomanufacturing continues to rely on labor-intensive cell culture systems, leading to high operating costs, limited scalability, and batch-to-batch variability in Biologics production

SOLUTION OVERVIEW

- CellBRx®: Scalable single-use bioreactor platform for closed-loop adherent cell culture, enabling efficient manufacturing of vaccines, viral vectors, exosomes, etc.
- CellBRx-IST®: Automated and closed seed-train solution designed to reduce manual handling and enable seamless scale-up from cell bank vial to seed bioreactors to production bioreactor
- MiniBRx®: Compact single-use bioreactor platform for parallel process development, screening, optimization, and scale-down studies for cell culture applications

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2016
Founding year

~$5M
Funding raised

1.7x
Projected YoY Revenue growth

~$0.9M
FY26 Revenue

80+
Bioreactor systems deployed

>1000
SUBs (consumables) supplied to industry

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

CellBRx® and CellBRx-IST® platforms provide a scalable, automated, closed-loop solution for adherent cell manufacturing enabling global biopharma and CDMO partners to extend upstream capabilities across vaccines, viral vectors, process intensification, and integrated seed-to-production workflows

RESEARCH INSTITUTES

OmniBRx platforms can enable academic, government, and translational research institutes to scale cell culture processes from development to pilot and production-oriented applications

CAPITAL PROVIDERS

OmniBRx is positioned for growth in the expanding bio-mfg. market, offering investors exposure to prop. single-use bioreactor platforms, scalable mfg. solutions, and global commercialization potential

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.omnibrx.com

Revelations Biotech

Proprietary precision fermentation platform producing FOS, Brazzein, and Allulose for scalable, low-glycemic food reformulation

MEET THE FOUNDING TEAM

Beeram Ravi Chandra
Managing Director
Ph.D, Molecular biology and structural biology, International Centre for Genetic Engineering and Biotechnology

Subba Rao Chunduru
Director
MBA Marketing & Finance, Shivaji University

CORE PROBLEM STATEMENT

Lack of cost-effective, scalable sugar alternatives limits large-scale adoption of healthier food formulations globally

SOLUTION OVERVIEW

- Proprietary enzyme technology for Fructooligosaccharide (FOS) production
- Precision fermentation platform for bio-based ingredients
- Novel engineered microbial strains using genome editing and bioengineering

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2008
Founding year

~$5M
Funds raised

~$2.5M
FY25 Revenue

80+
Active workforce

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

Revelations Biotech's precision fermentation platform enables clean-label sugar reduction, well suited for pilots and procurement partnerships

ACCELERATORS AND OTHER ENABLERS

Precision fermentation platform enables clean-label sugar reduction, well suited for food-tech innovation programmes

CAPITAL PROVIDERS

Revelations Biotech operates in the ~$200Bn global Biotech market, growing at a steady rate; strong fit to value and growth investors

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.revelationsbio.com

05

Blue Economy

STARTUPS

Planys Technologies

Transforming underwater inspections & security solutions using next-gen marine robotics, advanced testing techniques, & AI-powered analytics

MEET THE FOUNDING TEAM

Tanuj Jhunjhunwala
CEO
BTech & MTech from IIT Madras

Vineet Kumar Upadhyay
CTO
B.Tech, Naval Architecture & Ocean Engineering , IIT Madras

Prof. Prabhu Rajagopal
Strategist
Ph.D, Ultrasonic inspection, Imperial college London; M.Tech, IIT ,Madras

Prof. Krishnan Balasubramaniam
Advisor
Ph.D, Mechanical Engineering, Drexel University; BE , Mechanical Engineering, NIT

CORE PROBLEM STATEMENT

Ageing underwater infrastructure inspection systems lack safe, scalable, and high-fidelity assessment capabilities, limiting reliability and risk management

SOLUTION OVERVIEW

- ROV and AUV-based underwater inspection platform delivering precise, shutdown-free assessments across challenging conditions
- AI-powered analytics dashboard digitising inspection data and reducing review time by 99% for actionable asset management
- Custom-built underwater platforms for maritime security and reconnaissance, combinable with varied mission payloads

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2015
Founding year

~$18M
Funding raised

~2M
Revenue

25K
Hours of technology deployed across 500+ inspection sites

150+
B2B Customers

10+
Countries presence

30+
Patents

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

Planys' marine robotics and NDT platform offers oil and gas, ports, power, defence and infrastructure corporates a proven inspection efficiency and asset reliability partner

RESEARCH INSTITUTES

Planys' underwater robotics and NDT platform is well suited for applied research partnerships in marine robotics, underwater communication and non-destructive evaluation

CAPITAL PROVIDERS

Planys operates across the blue economy, defence and industrial inspection markets, well-suited to asset-focused and infrastructure investors

POLICY BODIES & GOVT. AGENCIES

Planys' digital inspection platform aligns with national infrastructure safety priorities across ports, power, water, defence, dams and bridges

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.planystech.com

Zero Circle

Seaweed-derived natural polymer materials replacing synthetic plastics in everyday packaging — PFAs-free, microplastic-free, and designed to run on existing production lines without friction

MEET THE FOUNDING TEAM

Neha Jain

Founder & CEO

Bachelor's degree in Journalism, Christ University, Bengaluru

Priya Kini

Founder's Office

Bachelor of Design, Industrial Arts and Design Practices, Srishti Manipal Institute of Art, Design and Technology

CORE PROBLEM STATEMENT

Everyday packaging relies on synthetic polymers and PFAs coatings that release microplastics and persist in oceans. Existing bio-alternatives either fail to match functional performance or cannot scale on standard manufacturing lines, leaving FMCG and foodservice brands without a practical, affordable substitute

SOLUTION OVERVIEW

- PFAs-free coated food containers and paperboards using seaweed-derived natural polymers, compatible with existing production infrastructure
- Grease-resistant barrier coatings derived from natural compounds, with clean and predictable end-of-life
- Natural polymer materials platform extending beyond packaging into a plastic-free portfolio across industries

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2020
Founding year

~$90K
Revenue FY26

~2.6M
Funding raised

- Grand Prize Winner, Tom Ford Plastic Innovation Challenge
- UNIDO Global Cleantech Innovation Award
- Nasscom Emerge 50 Winner
- Capgemini Blue Challenge Winner, Europe Cluster
- India Plastic Challenge Winner, Ministry of Environment

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

Zerocircle's seaweed-derived natural polymer platform offers FMCG brands, foodservice chains, and packaging manufacturers a commercially viable, PFAS-free alternative to synthetic coatings that works on existing production lines without infrastructure changes

RESEARCH INSTITUTES

Zerocircle's natural polymer materials platform offers research institutions joint innovation opportunities in seaweed-derived biomaterials, biodegradable coatings, and next-generation plastic-free material science

CAPITAL PROVIDERS

Zerocircle's commercial deployments across India and the Netherlands offer sustainability-focused investors early exposure to a scaling seaweed-based materials platform aligned with EU packaging compliance mandates

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.zerocircle.in/

06

Disaster Management

Seismic Hazard & Risk Investigations

Indigenous MEMS-based real-time seismic monitoring and early warning platform for infrastructure and disaster management

MEET THE FOUNDING TEAM

Mukat Lal Sharma
CMD
PHD, University of Roorkee; Mtech, University of Roorkee; Bsc, Meerut University

Vivek Bansal
CTO
MBA, Vinayaka Mission's Research Foundation University

Girish Chandra Joshi
Director
PHD, IIT Roorkee; PG Diploma, IGNOU; Mtech, IIT Roorkee; Btech, College Of Technology, G.B.P.U.A&T, Pantnagar

CORE PROBLEM STATEMENT

High-cost and low-availability seismic monitoring leaves critical infrastructure exposed to earthquake and other natural disaster risks

SOLUTION OVERVIEW

- Indigenous MEMS-based strong-motion sensor array with patented real-time earthquake detection capability
- Full-stack platform integrating hardware, cloud analytics, and actionable early warning alerts
- AI-trained algorithms delivering 60–70% cost reduction over conventional seismic monitoring systems

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2020
Founding year

4
Granted patents

~$0.7M
Funding raised

3+
Countries, Global presence

STRATEGIC ENGAGEMENT OPPORTUNITIES

POLICY BODIES & GOVT. AGENCIES

SHRI's indigenous seismic monitoring and early warning platform enables national-scale disaster resilience, well suited for public infrastructure programmes

RESEARCH INSTITUTES

SHRI's AI-trained seismic algorithms and IIT Roorkee-backed platform enable geoscience research, well suited for academic and disaster-risk co-development

CAPITAL PROVIDERS

SHRI operates in the Disaster Management sector with strong global demand tailwinds, well-suited to deep-tech and climate-risk focused investors

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.shriseismic.com

07

Energy, Sustainability, & Climate Change

STARTUPS

ABX3PV

Next-generation perovskite photovoltaic technologies for terrestrial, mobility, and aerospace applications

MEET THE FOUNDING TEAM

Prof. Aditya Sadhanala

Co-founder and Director

Ph.D. in Physics, University of Cambridge
Postdoctoral research, University of Oxford
Postdoctoral research, University of California, Berkeley

Dr. Laxman Gouda

CEO, Co-founder and Director

Ph.D. in Chemistry, Israel

CORE PROBLEM STATEMENT

Conventional silicon solar is constrained by weight, rigidity, manufacturing intensity, and efficiency limits, restricting its viability in applications that require lightweight, flexible, high power-density, and strong low-light performance

SOLUTION OVERVIEW

- Ultra-light flexible solar cells and glass-based perovskite modules for mobility, aerospace, BIPV, and IoT applications
- Silicon/perovskite tandem solar cells delivering efficiencies beyond conventional silicon limits
- Scalable, low-temperature manufacturing pathways at significantly lower cost and energy consumption than silicon

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2023
Founding year

3
European partnerships in process

>$11M
LOIs secured

11
Active workforce

- Best Startup Award — INUP Meet 2024, IIT Bombay

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

ABX3PV's multi-application perovskite platform, spanning flexible, glass, tandem, and satellite PV, is well suited for co-development, technology licensing, and supply partnerships with European solar manufacturers, aerospace primes, and clean-tech integrators

RESEARCH INSTITUTES

Rooted in IISc Bengaluru's advanced photovoltaics research, ABX3PV offers strong joint innovation opportunities in perovskite materials, tandem architectures, and scalable manufacturing

CAPITAL PROVIDERS

Aligned with clean-tech and deep-tech investors seeking early exposure to next-generation photovoltaics across mobility, aerospace, and grid applications

ACCELERATORS & OTHER ENABLERS

Focused on European clean-energy and advanced manufacturing grants to accelerate pilot scale-up, EU market entry, and technology validation with industry and academic partners

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.abx3pv.com

Altmin

Vertically integrated domestic LFP cathode active material and battery-grade lithium carbonate platform for India's battery ecosystem

MEET THE FOUNDING TEAM

Anjani Sri Mourya Sunkavalli
Founder & CEO
BA Mass Comunication, Political Science and Government , St. Mary's College,

Kandula Sai Goutham Reddy
Vice President
B.Tech, Electrical Engineering, Dr MGR Educational and Research Institute

CORE PROBLEM STATEMENT

Near-total dependence on Chinese LFP and lithium supply creates cost, security, and scalability risks for India's EV and energy storage sectors

SOLUTION OVERVIEW

- ARCI-licensed LFP CAM technology scaled in-house
- In-situ carbon coating for cathode materials
- Integrated lithium refining and CAM production

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2023
Founding year

75 MTPA
India's first LFP-CAM pilot plant

$4M
Funding raised

18+
Customer validations with offtake agreements

- Listed as the only Project from India under the Mineral Security Partnership MSP (FORGE)

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

Altmin's vertically integrated LFP CAM platform and non-China lithium refinery partnership offer battery and EV corporates a secure, cost-efficient domestic supply chain

RESEARCH INSTITUTES

Altmin's LFP platform enables battery materials innovation, well suited for research and co-development partnerships

CAPITAL PROVIDERS

Positioned in a ~$3.6T Energy, Sustainability & Climate market (2030), Altmin is well-suited to domestic battery supply chain investors

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.altmin.in

AmpereHour

Intelligent battery energy storage systems and cloud-based energy management software, from generation to distribution, behind the meter and off-grid

MEET THE FOUNDING TEAM

Rahul Shelke

Founder & MD

BE, Electronics and Power, Amravati University

Ayush Misra

Co-Founder & CEO

Bachelor of Technology (B.Tech.) and Master of Technology (M.Tech.), Materials Science, IIT Bombay

Neehar Jathar

Co-Founder & CPO

Electrical and Electronics Engineering, IIT Bombay

Harshal Thakur

Co-Founder & COO

MTech, Power Electronics And Drives, Vellore Institute of Technology

CORE PROBLEM STATEMENT

Solar and wind energy is intermittent and unpredictable, requiring storage to dispatch energy on demand. Diesel generators remain the default backup across off-grid and grid-stressed locations, adding cost, emissions, and operational risk

SOLUTION OVERVIEW

- Modular plug-and-play Li-ion BESS from a few kWh to several MWh, deployable on-grid and off-grid across diesel abatement, demand charge reduction, and RE-integrated mini-grids
- ELINA, a cloud-based EMS for remote monitoring and control of storage and mini-grid assets with REST API integration and custom algorithm support
- ESS integration services for IPPs, battery manufacturers, and EPCs requiring full system integration to global standards

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2017
Founding year

$60M
Revenue FY26

~5M
Funding raised

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

AmpereHour's modular BESS and ELINA platform offer industrial operators, utilities, IPPs, and solar EPCs a proven solution for diesel abatement, peak shaving, and intelligent renewable energy storage deployment across distributed and grid-scale assets

RESEARCH INSTITUTES

AmpereHour's ELINA platform, featuring open REST APIs and custom algorithm capabilities, offers energy research institutions joint development opportunities in grid-scale storage management and renewable integration

CAPITAL PROVIDERS

With 130+ sites across 7 countries and 1,000 MWh+ under deployment, AmpereHour offers clean energy investors an operationally validated storage platform with demonstrated global traction

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.amperehourenergy.com/

eTRNL Energy

3D cell stack battery architecture for ultra-safe, fast-charging, thermally stable lithium-ion cells

MEET THE FOUNDING TEAM

Apoorv Shaligram
Co-Founder & CEO
MS, Materials Science Engineering, Michigan State University; B.Tech, Metallurgical and Materials Engineering, IIT Roorkee

Dr. Uttam Kumar Sen
Co-founder & CTO
MSc-PhD, Energy storage, Lithium-ion Batteries, IIT, Bombay

CORE PROBLEM STATEMENT

Conventional cylindrical cell designs generate excess heat, limit fast charging, require costly thermal management, and carry fire risk

SOLUTION OVERVIEW

- Re-engineered battery cell architecture with a 3D cell stack
- Lean manufacturing process with fewer production steps
- Ultra-safe fast-charging cells without external cooling

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2021
Founding year

40+
Active workforce

$4M
Funding raised

3
Patents granted

- CII Top Startup in Manufacturing 2018

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

eTRNL Energy's battery platform enables next-gen electrodes, well suited for pilots and procurement partnerships

RESEARCH INSTITUTES

eTRNL Energy's battery materials platform enables cell innovation, well suited for research partnerships

CAPITAL PROVIDERS

eTRNL Energy operates in the ~$3.6Tn energy and climate opportunity with strong tailwinds, well suited for investors

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.e-trnl.energy

Green Aero Propulsion

Patented fuel-agnostic jet engines and propulsion systems for defence, drone, and energy markets

MEET THE FOUNDING TEAM

Prithwish Kundu

Founder & CEO

PHD, North Carolina State University; M.S, North Carolina State University; Btech, Savitra Bhai Phule Pune University

Farhan Pathan

COO

Bachelors, Mechanical Engineering, BITS Edu Campus

CORE PROBLEM STATEMENT

Critical technology gap exists for low-cost, fuel-agnostic jet engine across drone, defence, and clean energy markets

SOLUTION OVERVIEW

- Airblast atomizer combustion enabling H2-compatible, propane-free sub-kN jet engines
- Supercritical CO_2 turbine architecture delivering 45%+ thermal efficiency via cogeneration
- "No-human-in-the-loop" digital twin framework, compressing 6-month design cycles to 1 week

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2023
Founding year

~$3M
Signed Long-term contracts

$1.8M
Funding raised

- Boeing Build 3.0 Winner
- Meity Incubation and Development of Enterpreneurs 2.0 Winner
- SIDBI Greentech Accelerator, Winner
- IDEX Aditi 1.0, Winner (Ministry of Defence)

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

Green Aero's digital twin-optimized jet engine platform and supercritical turbine IP offer partners early access to differentiated propulsion technology with pilot and procurement opportunities.

POLICY BODIES AND GOVT AGENCIES

Green Aero's sovereign propulsion stack supports defence modernisation and clean energy mandates, enabling strategic collaboration with national aerospace agencies

CAPITAL PROVIDERS

Green Aero operates in the $800B-$1.1T global energy market; jet propulsion and sCO_2 systems well-suited to deep-tech investors

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.greenaero.in

Gudlyf Mobility

Indigenous Type IV high-pressure composite cylinders for 700-bar hydrogen and CNG storage in mobility and industrial applications

MEET THE FOUNDING TEAM

Dr. Ajeet Babu P K

Co-Founder & CEO

PhD, Manufacturing Engineering, Vellore Institute of Technology; Former DGM, ARAI, Pune

Dr. K C Vora

Co-founder & Head of Business Development

Ph.D Control of Exhaust Emission; Masters, Engineering, Veermata Jijabai Technological Institute; Former Senior Deputy Director, ARAI, Pune

CORE PROBLEM STATEMENT

Lack of domestic lightweight composite cylinder manufacturing creates import dependency, high costs, and supply chain risk for gas logistics

SOLUTION OVERVIEW

- Type IV composite cylinders for hydrogen and CNG storage
- Filament-wound liner architecture for 700 bar applications
- Patented liner-material, boss, and winding designs

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2022
Founding year

1k+
Bar burst pressure successfully validated

~$0.5M
Funding raised

700
Bar-ready Type IV composite cylinders for cell vehicles, drones, CNG cascades

- Funded by Technology DST Board, DST
- Startup Mahakumbh 2025 (Mobility Category) Winner

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

Gudlyf's hydrogen storage platform enables cost-efficient solutions, well suited for pilots and procurement partnerships

RESEARCH INSTITUTES

Gudlyf's Type IV composite cylinder platform and hydrogen storage IP are well-suited for collaborative R&D with hydrogen energy research networks

CAPITAL PROVIDERS

Gudlyf operates in the ~$3.6Tn Energy, Sustainability & Climate opportunity (2030) with strong tailwinds, well-suited to hydrogen mobility investors

GLOBAL CERTIFICATION BODIES

Indigenously manufactured Type IV composite cylinders with PESO-aligned testing — strong fit for hydrogen storage certification pathways

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.gudlyfmobility.com

Indigotex

First-in-class patented wool denim for all-weather, lightweight, biodegradable performance apparel

CORE PROBLEM STATEMENT

Conventional denim is thermally poor and synthetically produced, creating unmet demand for sustainable, functional cold-climate fabric

SOLUTION OVERVIEW

- Patented indigo dyeing technology for wool
- Wool denim that is machine washable and shrink-proof
- Waterless processing for sustainable textile finishing

MEET THE FOUNDING TEAM

Satendra Singh
Founder & CEO
M.tech, Textile chemical processing, IIT Delhi ;
B.Tech, Textile, Rajasthan Technical University

Dilip Singh
Co-founder & COO
B.E Textile, M.L.V Textile & Engineering College, Bhilwara

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2024
Founding year

3+
Channel partners in the overseas countries

~$0.5M
Funding raised

- ReNew Ace Climate Entrepreneur Award-2026 Winner
- Startup Mahakumbh Chellenge-2025 Winner (Sustainability Category)

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

Indigotex's patented indigo-wool dyeing technology and IndiWool Denim platform offer fashion corporates a first-of-kind sustainable, all-weather denim alternative

CAPITAL PROVIDERS

Indigotex operates in meaningfully large global market with strong growth tailwinds, well suited for investor

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.indigotex.co.in

Inphlox Water Systems

Modular electrochemical wastewater treatment platform for compact, low-chemical, high-recovery industrial water reuse

MEET THE FOUNDING TEAM

Ranganath N. K
Chairman, Board Member
PGDBM, Finance, XLRI Jamshedpur; B.E Mechanical Engineering, University of Madras

Amrit Om Nayak
Co-founder & CEO
M.Sc, Mechanical Engineering, University of Washington; B.E. Mechanical Engineering,Thiagarajar College of Engineering

Krunal Patel
Co-founder & COO, Director
M.Sc, Mechanical Engineering, University of Washington; B.E. Mechanical Engineering, K.J. Somaiya College of Engineering

Vineet Ravindra Mankar
Founder's office

CORE PROBLEM STATEMENT

Space-intensive, chemical-heavy conventional treatment systems drive high operating costs, poor reuse rates, and retrofit inflexibility

SOLUTION OVERVIEW

- Modular electrochemical wastewater treatment system
- Proprietary process control over pollutant removal
- Downstream polishing and treatment intelligence stack

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2018
Founding year

~$1.5M
Revenue FY26

3.5 MLD+
Treatment capacity deployed, 4.5 MLD+ under deployment

~$4M
Funding raised

10+
Partners across SEA

50 MLD+
Active order pipeline

- Winner, Innovation Challenge Award at Mumbai Climate Week 2026
- Top Innovator in UpLink WEF 2023
- Featured in Cleantech Group's 2026 Global Cleantech 100 (2 years in a row)

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

Indra's ElectroX electrochemical platform and modular retrofit architecture offer water and industrial corporates a proven, low-chemical wastewater reuse solution

RESEARCH INSTITUTES

Well-suited to engage leading global water and environmental institutions for innovation-led research, pilot validation, and joint solving of complex wastewater challenges to advance water security and strengthen awareness

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.indrawater.com

Karetic Energy

Iron-air battery platform for long-duration energy storage; rare-earth-free, non-flammable, and 5x more cost-effective than lithium-ion

MEET THE FOUNDING TEAM

Dr. Suryanarayana Vikrant Karra
Founder
Assistant Professor, IIT Delhi; PhD - Purdue University; BTech - IIT Kanpur

Prabhakar Kumar
CTO
PhD Research Scholar, IIT Delhi

CORE PROBLEM STATEMENT

Structural solar and wind intermittency creates multi-day flexibility gaps that lithium-ion and other short-duration storage solutions cannot economically bridge at grid-scale

SOLUTION OVERVIEW

- Proprietary iron-particulate bed architecture suppressing hydrogen evolution and surface passivation
- Lab-validated 100–145 hour continuous discharge cycle
- Rare-earth-free, non-flammable aqueous chemistry delivering 5x lower capex versus lithium-ion storage

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2025
Founding year

~$0.3M
Grants received

~$0.7M
Funding raised

- Global Winner, Prototype for Humanity 2025 (Dubai)

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

Karetic Energy's iron-air modular battery and proprietary particulate-bed electrochemical platform offer utility corporates a pilot-ready long-duration storage solution

RESEARCH INSTITUTES

To explore pilot program opportunities as a direct path to full-scale deployment

CAPITAL PROVIDERS

Karetic Energy operates in the ~$3.6Tn global Energy, Sustainability & Climate market (2030), well-suited to deep-tech and clean energy investors

ACCELERATORS & OTHER ENABLERS

To explore integration of Karetic storage units with their expanding portfolio of French industrial microgrids and renewable farms

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit
www.karetic-website.vercel.app

Kritsnam Technologies

Full-stack water accounting infrastructure for continuous, auditable, and defensible water usage records

MEET THE FOUNDING TEAM

Karumanchi Sri Harsha
Founder & Managing Director
IIT Kanpur

Anagani Prudhvi Sagar
Co-founder & CTO
B.Tech, M.Tech, Electronics, IIT Kanpur

Vinay Chataraju
CEO
B.Tech, Civil Engineering, IIT Kanpur

CORE PROBLEM STATEMENT

Absence of structured, continuous water measurement leaves industrial and utility water ungoverned, driving losses and non-compliance

SOLUTION OVERVIEW

- Water receipts and reconciliation infrastructure for continuous, auditable water records
- IoT ultrasonic meters for real-time water measurement
- DWAS framework turning usage data into auditable water accounting

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2015
Founding year

$4M
Funding raised

2B+
Litres of water continuously tracked daily across deployments

$1M
FY25 Revenue

10k+
Groundwater extraction points and 5k+ surface water transaction points digitized

- OIML R49 Legal Metrology Certification (held by only 1–2 Indian cos. for smart water meters)
- OIML R49 Legal Metrology Certification (held by only 1–2 Indian cos. for smart water meters)
- AMRUT 2.0 Water Accounting Challenge Award
- NASSCOM Emerge 50 for innovation in software-driven water management

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

Kritsnam's IoT water accounting platform enables audit-ready monitoring, well suited for pilots and partnerships; already deployed across 2k+ leading enterprises incl. Tata Steel, Saint-Gobain, Adani, Godrej, and Ultratech Cement

RESEARCH INSTITUTES

Kritsnam's IoT water platform enables real-time monitoring, well suited for research and co-development partnerships

CAPITAL PROVIDERS

Targets a ~$3.6Tn Energy, Sustainability & Climate opportunity (2030) with strong tailwinds and clear impact investor fit

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.kritsnam.com

PUR Energy

Integrated lithium-ion energy storage system with solar compatibility for homes and enterprises

CORE PROBLEM STATEMENT

Traditional diesel and lead-acid backups are noisy, polluting, and fail to support heavy appliances during power cuts.

SOLUTION OVERVIEW

- Integrated inverter, charger, and solar controller in one unit
- Patented Nano-PCM thermal management for batteries
- Scalable Products ranging from 3 KVA/KWh to 120KVA/KWh
- PuREPower delivers a silent, all-in-one lithium system replacing conventional setups, powering high-surge loads, lowering costs

MEET THE FOUNDING TEAM

Dr. Nishanth Dongari
Founder & MD
PhD, University of Strathclyde, Glasgow, United Kingdom; B. Tech. Mechanical Engineering, IIT Bombay

Rohit Vadera
CEO
MBA, ISB Hyderabad; B.Tech. Mechanical Engineering, IIT Bombay

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2015
Founding year

$12M
Funding raised

5k+
Product installations across India

35
Dealer and Distribution network across India

~$19M
FY 25 Revenue

120+
IP Filing

1.5+
Lakh tons of emissions saved

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

PUR Energy's All-in-one BESS Products offer energy and storage plug-and-play functionality. With Countries and Governments advocating of BESS at decentralized level, PuREPower Products have significant market opportunity in Europe and Middle-east markets

RESEARCH INSTITUTES

PUR Energy's Nano-PCM and BMS enable battery safety, well suited for research and co-development partnerships

CAPITAL PROVIDERS

PUR Energy operates in the ~$3.6Tn Energy, Sustainability & Climate opportunity (2030) with strong tailwinds, well-suited to investors

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.pureenergy.co.in

Quantsolar Technologies

Advanced floating solar PV platform for complex water bodies

MEET THE FOUNDING TEAM

Pankaj Kumar
Co-Founder & Director
Dual Degree, Ocean Engineering & Naval Architecture, IIT Kharagpur

Siddhant Agarwal
Co-Founder & Director
B.Tech; Degree, Ocean Engineering & Naval Architecture, IIT Kharagpur

CORE PROBLEM STATEMENT

As global solar adoption accelerates, over 70% of utility scale projects face land acquisition constraints, rising costs, and environmental limitations with large water bodies remaining significantly underutilized for clean energy deployment

SOLUTION OVERVIEW

- Proprietary flotation, anchoring and mooring systems engineered for high water-level variations (±20m) and complex hydrodynamic conditions
- Technology-driven, site-specific structural and elastic anchoring designs enabling reliable deployment across reservoirs, dams and pumped storage systems
- Fully integrated floating solar platform with in-house design, manufacturing (250 MW capacity), EPC execution, and long-term O&M capabilities

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2016
Founding year

~$7.5M
Revenue FY25 (Audited)

200 MW+
Deployed across 25+ projects

~$0.7M
Funding raised

16+
Patents and design registrations

200+
Active workforce

- Renewable Energy Star Award, NDTV Infrashakti Awards
- Nina Saxena Excellence in Technology Award, IIT Kharagpur

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

Quantsolar's floating solar platform and proprietary anchoring IP offer utility corporates a proven technology and deployment partner for large-scale floating solar projects across reservoirs and industrial water bodies

GLOBAL CERTIFICATION BODIES

IP-led floating solar platform with anchoring and mooring innovations, IP-led floating solar platform with advanced anchoring systems, aligned for global technical standards and certification frameworks

CAPITAL PROVIDERS

Quantsolar operates in the ~$3.6T global Energy market (2030), well-positioned for growth and sustainability-focused investors in a ~$3.6T global energy market transitioning towards landneutral solar

ACCELERATORS & OTHER ENABLERS

Quantsolar's floating solar platform and proprietary anchoring IP, strong fit for global energy innovation programs, driven by proprietary floating and anchoring technologies

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.quantsolar.com

Torus Motion

First-in-class indigenous, compact and energy-efficient axial flux motors and controllers

MEET THE FOUNDING TEAM

M. Vignesh
Founder & Director
B.Tech, Mechatronics SRM IST Chennai

K. Abbhi Vignesh
Co-Founder & CTO
B.Tech, Mechatronics, SRM IST; MBA, SRM University

Vibhakar Senthil Kumar
Co-Founder & CEO
MBA, B.Tech (Mechatronics, Robotics, and Automation Engineering) SRM IST Chennai

CORE PROBLEM STATEMENT

Existing electric motors consume ~50% of total energy produced globally, constrained by heavy, bulky designs, high power consumption and limited control capabilities

SOLUTION OVERVIEW

- Indigenous axial flux motor platform; 50% lighter, 15% more efficient and 10% more cost-effective than conventional motors
- AI-powered intelligent motor controller platform compatible with any motor type including BLDC, PMSM, SRM and IPM

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2019
Founding year

$700k
Funding raised

25+
Customers

- Winners of FLCTD Challenge by United Nations
- Winners of Climate Launchpad by European Union
- Winners of Innovation Award at Delhi & Mumbai Climate Week 2026

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

Torus Motion offers an indigenous IP and volume manufacturing partnership opportunity across electric powertrain and industrial motion technology

RESEARCH INSTITUTES

Torus Motion's advanced motor technology platform is well suited for deep-tech R&D and co-development partnerships

POLICY BODIES & GOVT. AGENCIES

Torus Motion's indigenous axial flux motor platform is well aligned with defence procurement and strategic self-reliance policy objectives

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.torusmotion.com

Trinano Technologies

Patented 3D Quantum Cladding™ inorganic nano-coating for solar panels delivering 4%+ energy gain and 50% water reduction

MEET THE FOUNDING TEAM

Dr. Harsh V. Sethi
Co-Founder & CEO
PhD, Management, National American University; B.Engg, Nagpur University

Dr. Anshu Dandia
Co-Founder & Research Director
PhD. Organic Chemistry; Masters, Chemistry, University of Rajasthan

Dr. Tanujjal Bora
Co-founder & Technical Director
D. Eng Nanotechnology; M.Eng Microelectronics, Asian Institute of Technology

CORE PROBLEM STATEMENT

Soiling, heat, and light reflection cause 15–20% solar efficiency loss while existing coating solutions lack permanence and scalability

SOLUTION OVERVIEW

- Patented 3D Quantum Cladding nano-coating process
- Sub-micron electro-deposited layer on solar panels
- Coating functions for reflection control, light trapping, and cooling

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2022
Founding year

10x
Revenue growth YoY

50%
Lower water and cleaning use

~$0.7M
Funding raised

4%
Energy gain

10 yr+
Durability

- National Startup Award 5.0, DPIIT, Government of India (2026)
- Maharathi Award, Startup Mahakumbh (2025)

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

TriNano's nano-coating platform enables solar efficiency and durability upgrades, well suited for commercial projects and procurement partnerships

RESEARCH INSTITUTES

Patented inorganic solar coating technology with NCPRE, IIT Bombay and NISE validation, well-suited for solar energy research collaboration

CAPITAL PROVIDERS

TriNano operates in the ~$3.6Tn energy and climate opportunity with strong tailwinds, well suited for climate and energy investors

ACCELERATORS & OTHER ENABLERS

TriNano's nano-coating platform enables solar efficiency gains, well suited for clean energy innovation and carbon reduction programmes

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.trinano.co

UrjanovaC

Modular CO_2 capture and utilization technology to convert industrial emissions into value-added products

MEET THE FOUNDING TEAM

Prof. Vikram Vishal
Co-founder, Director & CEO
Ph.D., Earth Sciences, IIT Bombay;
Ph.D., Civil Engineering, Monash University

Prof. Arnab Dutta
Co-founder, Director & CTO
MS, Chemistry, IIT Bombay;
Ph.D., Chemistry, Arizona State University

CORE PROBLEM STATEMENT

Conventional CCUS is capex-heavy with no monetization pathway, limiting adoption despite rising regulatory and ESG pressure

SOLUTION OVERVIEW

- Patented CO_2 capture and utilization process
- Modular CCUS systems for industrial retrofit deployment
- Mineralization into saleable carbonate products

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2023
Founding year

60%+
Growth in active projects (FY24 vs FY23)

~$1M
Funding raised

100%
IP on tech, design, and process

- NASSCOM Emerge League of 10 (Winner, 2025)
- NITI Aayog AIM ClimateTech Grand Challenge (Winner 2025)
- Energy Startup of the Year, India Energy Conclave (Winner 2025)
- Received X-Prize carbon removal grant from Musk Foundation
- Winner of XCarb Competition by ArcelorMittal.

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

UrjanovaC's carbon capture platform enables industrial decarbonization, well suited for pilots and procurement partnerships

POLICY BODIES & GOVT. AGENCIES

UrjanovaC's carbon capture track record enables decarbonization, well suited for policy and regulatory partnerships

CAPITAL PROVIDERS

UrjanovaC operates in the ~$3.6Tn energy and climate opportunity with strong tailwinds, well suited for investors

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.urjanovac.com

VDT Pipeline Integrity Solutions

High-speed MFL inline inspection platform for real-time, high-accuracy defect detection in oil & gas pipelines

MEET THE FOUNDING TEAM

Bhuvnesh Kumar Sharma
Managing Director, Founder & CEO
IIM, Lucknow

Chanchal Sharma
Director
MS, Indian Institute of Science (IISc); Communication Engineering (Electronics), SIR MVIT

CORE PROBLEM STATEMENT

Aging pipeline infrastructure lacks fast, accurate, cost-efficient inspection, creating safety gaps and compliance risk

SOLUTION OVERVIEW

- Patented sensing architecture and signal processing algorithms
- High-speed magnetic flux leakage inspection for live pipelines
- End-to-end ILI stack covering robots, sensors, and data processing

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2017
Founding year

20-40%
Reduction in inspection cost

10+
Patents developed

2-3X
Faster inspection speed vs conventional methods

~$2M
Order book secured

- India Pipeline Award, ASME
- IEW best petroleum startup award (2023, 2024)

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

VDT's ILI Platform and Prosperity sensing stack and proprietary sensing stack offer majors proven, cost-efficient pipeline inspection at scale

ACCELERATORS & OTHER ENABLERS

VDT's pipeline inspection platform enables smart infrastructure monitoring, well suited for energy innovation programmes

CAPITAL PROVIDERS

VDT operates in meaningfully large global market with strong growth tailwinds, well suited for investor

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit
WWW.VDTSOLUTION.COM

08

Healthcare & MedTech

STARTUPS

5C Network

AI-native radiology infrastructure for hospitals and health systems worldwide

MEET THE FOUNDING TEAM

Kalyan Sivasailam

Co-Founder & CEO

B.Tech, Computer Science, NIT Karnataka; PG, IP Rights Law, National Law School of India University

Syed S. Ahmed

Co-Founder & Director

BE, Electronics, SIR, MVIT; MS, Communication Engineering (Electronics), IISc

CORE PROBLEM STATEMENT

Global imaging volumes are outpacing radiologist supply, creating diagnostic backlogs, rising costs, and critical care delays across every major healthcare market

SOLUTION OVERVIEW

- Long-horizon radiology agent reasoning end-to-end across studies, priors, and clinical context; trained on 3B+ images and 20M+ studies
- AI-native radiology department spanning 1,500+ facilities, 400+ radiologists, and 10,000+ scans daily across India and the US
- Six-product Bionic operating system; Vision, Voice, LM, Flow, OnPoint, and Prodigi; deployed across hospitals and ICUs

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2017
Founding year

10k+
Scans/day

1,500+
Hospitals and centres

$12M
Funding raised

3B+
Images in training dataset

400+
Radiologists on network

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

5C's AI imaging platform and six-product suite offer European radiology leaders and OEM device manufacturers early access to differentiated diagnostic technology

RESEARCH INSTITUTES

5C's federated learning architecture and 350,000+ monthly scan dataset provide European medical institutions a strong clinical validation and co-research partner

POLICY BODIES & GOVT. AGENCIES

5C's EU-aligned R&D centre and bilateral government engagements position it strongly within European digital health and AI regulatory frameworks

ACCELERATORS & OTHER ENABLERS

5C is actively scaling internationally, well-suited for accelerators supporting cross-border market access and global growth programmes

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.5cnetwork.com

Algorithmic Biologics

Algorithm-driven molecular assay platform enabling at-scale and affordable diagnostics

MEET THE FOUNDING TEAM

Dr Manoj Gopalkrishnan
Founder & CEO
Ph.D., University of Southern California Viterbi School of Engineering ; B.Tech. (CS) IIT, Kharagpur

Hiranjith GH
Co-founder and CBO
MBA, Great Lakes Institute of Management

Satish Gangwar
Head of Marketing Development
MBA, International Business, The ICFAI University Tripura; M.Sc., Biotechnology, Chaudhary Charan Singh Universit; B.Sc., Zoology, Botany, Chemistry, Mahatma Jyotiba Phule Rohilkhand University

CORE PROBLEM STATEMENT

Quadratic design complexity caps multiplex assays at ~15 targets, blocking scalable, affordable advanced diagnostics

SOLUTION OVERVIEW

- Molecular computing platform for accelerated development of advanced molecular diagnostics
- Compressed-sensing assays for high-throughput, low-reagent testing
- Cloud-native platform for scalable PCR and NGS testing capability

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2021
Founding year

~$3M
Funding raised

- National Startup Award, Health and wellness sector, 2022

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

Algorithmic Biologics' molecular computing platform and 50-plex compressed-sensing assays offer diagnostics and biopharma corporates a design and development partner capability to enrich their test portfolios

RESEARCH INSTITUTES

Algorithmic Biologics' molecular computing enables multiplexed assays, well suited for research and co-development partnerships

CAPITAL PROVIDERS

Algorithmic Biologics operates in the ~$550Bn global Medtech space, with strong resonance among impact and growth investors

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit
www.algorithmicbiologics.com

Ayati Devices

Integrated point-of-care diagnostic portfolio for objective nerve, vascular, and tissue health assessment in diabetic foot care

MEET THE FOUNDING TEAM

Nishant Kathpal

CEO

Masters in electronic systems, IIT Bombay; Electronics and Communication Engineering, D.C.R University Of Science And Technology

Pankaj Inchulkar

CBO

CORE PROBLEM STATEMENT

Specialist-dependent screening tools delay early detection of diabetic complications leading to preventable amputations

SOLUTION OVERVIEW

- Portable diagnostic devices for nerve, vascular, and tissue health
- Embedded signal processing for objective diabetic-foot screening
- Integrated portfolio covering sensation, circulation, and perfusion

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2019
Founding year

~$700k
Funding raised

30+
Export countries

~$200k
Revenue FY25

6k+
Devices deployed

- Qualcomm Design in India Challenge awardee (2024)
- ZS PRIZE Healthcare Innovation runner up (2023)
- Best Startup Award (Healthcare), IoT Congress

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

Ayati's diabetic-foot diagnostics platform enables point-of-care screening, well suited for pilots and procurement opportunities

RESEARCH INSTITUTES

Clinically validated point-of-care diagnostics platform with multi-country deployment, well-suited for translational research in diabetic complications

CAPITAL PROVIDERS

Ayati operates in the ~$550Bn global Medtech space, well-suited to growth and impact investors

ACCELERATORS & OTHER ENABLERS

Ayati's diabetic-foot platform enables chronic care solutions, well suited for medtech innovation programmes

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.ayatidevices.com

Curium Life Tech

Surgical intelligence deployed in the operating room to enable surgeons make data driven decisions during surgery

MEET THE FOUNDING TEAM

Dr. Vinayak Rengan

Co-Founder & CEO

MCh, Pediatric surgery; MS (General Surgery) MMC, Bachelor of Medicine and Surgery, GKMC

Balachandran Seetharam

Co-Founder

Karnatak University ; BE, Engineering, Electrical and Electronics Engineering, SDM College of Engineering & Tech

CORE PROBLEM STATEMENT

Surgical procedures lack data-driven, real-time decision support, leading to high complication risk in critical intraoperative settings

SOLUTION OVERVIEW

- Intraoperative anatomical measurement tool for tissues, bowels, hernia, and tumor margins via laparoscopic video feed
- Automated hernia volumetry and abdominal muscle analysis for component separation surgical planning
- Automated muscle composition analysis for preoperative surgical risk stratification

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2023

Founding year

3+

Deep learning models clinical validation in progress

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

Curium's surgical intelligence platform offers laparoscopic and robotic OEM partners early access to differentiated intraoperative AI with bundling and go-to-market opportunities

RESEARCH INSTITUTES

Curium's deep learning surgical models offer universities and hospitals strong clinical validation and co-research partnership opportunities

CAPITAL PROVIDERS

Curium operates in the global surgical AI market (~80M annual procedures) within the ~$550B medtech space, making it well suited for growth and impact-focused investors

ACCELERATORS & OTHER ENABLERS

Curium is looking to scale internationally, well-suited for accelerators supporting regulatory navigation and market access for MedTech

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.curium.life

Dezy (smiles.ai)

Building India's largest and most trusted dental care brand — AI-powered digital diagnosis combined with standardised clinic delivery, making quality dental care accessible and affordable

MEET THE FOUNDING TEAM

Hitesh Kakrani
Founder & CEO
MBA, IIM Lucknow

Sourav Sarkar
Co-founder & CTO
B.Tech (Computer Science), IIT Kharagpur

Shrikanth Kainthaje
Chief Business Officer
MBA, IIM Lucknow

CORE PROBLEM STATEMENT

India's dental care market is fragmented, individual-dentist driven, with no trusted brand, inconsistent quality, opaque diagnosis, and high out-of-pocket costs. Consumers struggle to find reliable price benchmarks and quality standards in a low-frequency, high-involvement category where trust is the primary purchase barrier

SOLUTION OVERVIEW

- Free AI-powered smartphone dental diagnosis with treatment visualisation, cost estimates, and early oral disease detection
- Standardised dental care delivery at 30-50% lower cost across signature clinics in Bangalore, Pune, Hyderabad, and Indore
- Proprietary in-house ERP stack for dental operations, powered by AI agents managing treatment delivery cycles and supply chain end to end

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2020
Founding year

$30M
Funding raised

~3M
Revenue FY26

231
Active workforce

- Technology Pioneer 2025, World Economic Forum (only healthcare startup from India)
- Best Dental Chain in South India, Economic Times 2025
- Best Dental Diagnosis, Voice of Healthcare 2025

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

Dezy's AI diagnosis platform and dental manufacturing infrastructure are well suited for licensing, private/white-label, reseller, and supply partnerships with dental tech companies, aligner brands, and clinic software platforms seeking AI-enabled diagnostics and India-based production capabilities

CAPITAL PROVIDERS

Dezy's AI-driven dental platform and integrated manufacturing network, combined with rapid clinic and revenue scale across India, makes it attractive for healthcare and consumer tech investors seeking exposure to high-growth dental consolidation and AI-enabled care delivery

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.dezy.com/

Dozee

Contactless AI-powered remote patient monitoring for hospitals & home care

MEET THE FOUNDING TEAM

Mudit Dandwate
Co-Founder & CEO
Bachelors, Mechanical Engineering, IIT Bombay

Gaurav Parchani
Co-Founder & CTO
B.Tech Mechanical Engineering, IIT Indore

CORE PROBLEM STATEMENT

Intermittent hospital monitoring misses ~70% of health deterioration events as continuous vital monitoring remains prohibitively expensive and largely invasive in-nature

SOLUTION OVERVIEW

- Contactless under-mattress sensor capturing heart rate, respiratory rate, and blood pressure continuously
- Real-time AI early warning system for sepsis, deterioration, and cardiac events reducing code blue by 80–100%
- Telehealth remote monitoring platform for post-discharge and chronic disease management

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2015
Founding year

~$39M
Funding raised

240+
Active active workforce

300+
Hospital deployments

20k+
Hospital beds in India & USA

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

Dozee's contactless monitoring platform offers hospital networks and EMR providers early access to differentiated patient monitoring technology with integration and procurement opportunities

RESEARCH INSTITUTES

Dozee's world's largest ballistocardiograph dataset offers research institutes joint innovation opportunities in next-generation cardiac and pulmonary monitoring algorithms

CAPITAL PROVIDERS

Dozee operates in the high-growth global remote patient monitoring market, with 300+ hospital deployments, well-suited to MedTech growth investors

POLICY BODIES & GOVT. AGENCIES

Dozee's public hospital deployments and Ayushman Bharat alignment offer government agencies a proven partner for critical care infrastructure at scale

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.dozeehealth.ai

Haystack Analytics

Clinical genomics platform integrating proprietary NGS kits, AI bioinformatics, and distributed sequencing network for infectious disease diagnosis

MEET THE FOUNDING TEAM

Anirvan Chatterjee

CEO

Post Doc, University of Oxford; PHD, University of Mumbai; Msc, The institute of science, Mumbai; Bsc, Osmania University

Gaurav Srivastav

COO

Btech, IIT Kharagpur

CORE PROBLEM STATEMENT

The global burden of infectious diseases continues to rise due to delayed diagnosis and limited drug-resistance detection, delaying effective treatment

SOLUTION OVERVIEW

- AI-driven bioinformatics pipeline automates NGS data interpretation without specialist bioinformatician involvement
- Direct-from-sample sequencing detects all pathogen classes and AMR markers in a single run
- Distributed deployment architecture upgrades existing labs into decentralised genomic diagnostic centres

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2018
Founding year

$16M
Funding raised

30k+
Samples in a year

20+
Genomic Centres of Excellence live across India

2.5k+
Prescribers

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

HaystackAnalytics' infexn®-NGS platform and AI-driven bioinformatics stack offer diagnostics corporates a proven design-partner for pilot and procurement in genomics diagnostics

RESEARCH INSTITUTES

HaystackAnalytics' clinical genomics platform enables infectious disease research, well suited for hospital and academic co-validation partnerships

CAPITAL PROVIDERS

HaystackAnalytics operates in the $550B Healthcare & MedTech market, growing to $700B by 2030, well-suited to growth and impact investors

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.haystackanalytics.in

Janitri Innovations

AI-enabled maternal, fetal and newborn monitoring platform for continuous, real-time clinical risk detection across 1,000-day pregnancy & newborn care

MEET THE FOUNDING TEAM

Arun Agarwal
Founder & CEO
B.Tech, Electronics, M.Tech, BioMedical Engineering, Vellore Institute of Technology; Global Good Fund Fellow 2025

Ganesh Kavi
AVP, Product, Software
M.Tech, Data Science, M. S. Ramaiah University Of Applied Sciences; BE, Atria Institute of Technology

CORE PROBLEM STATEMENT

Limited access to continuous, reliable pregnancy and newborn care monitoring drives preventable maternal, fetal and newborn mortality and complications

SOLUTION OVERVIEW

- Continuous maternal, fetal and newborn monitoring hardware
- Signal processing for antenatal, labor, and newborn tracking
- Connected monitoring workflow for pregnancy and newborn care

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2016
Founding year

~$4M
Funding raised

10+
Medical device SKUs

~$1.25M
Revenue FY26

800+
Hospitals deployed

1.5k+
Clinicians trained

- Nasscom Emerge 50 2024
- India's Top MSME of the Year, ET MSME, 2024
- Global Impact Trailblazer Award (founder), 2024
- Featured on SharkTank India and raised capital successfully

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

Janitri's maternal, fetal and newborn monitoring platform enables scalable care, well suited for pilots and procurement partnerships

RESEARCH INSTITUTES

Janitri's maternal, fetal and newborn AI platform enables clinical evidence generation, well suited for research and validation partnerships

CAPITAL PROVIDERS

Operates in the ~$550Bn global Medtech space, with strong resonance among impact and growth investors

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.janitri.in

Lifespark Technologies

AI-powered wearable neuromodulation and remote care platform for Parkinson's related gait rehabilitation and fall prevention

MEET THE FOUNDING TEAM

Amey Desai
Founder & CEO
BE, AI, Electrical and electronics BITS, Pilani

Girdhar Balwani
Advisor
Master of Science, Pharmaceutical Administration (Marketing), Long Island University; Master of Pharmacy, Pharmaceutics, Principal K. M. Kundnani College of Pharmacy

CORE PROBLEM STATEMENT

10M+ Parkinson's patients lack scalable, home-based neuromodulatory therapy causing preventable falls and progressive disability

SOLUTION OVERVIEW

- Wearable device for Parkinson's gait restoration and fall prevention
- AI powered e2e remote care ecosystem without on-site specialist requirement

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2018
Founding year

58%
Sustained improvement in mobility

3k+
Therapy hours delivered

30%
Lower fall risk

- UK-India Healthtech Accelerator Award
- NASSCOM Emerge50 Award
- BIRAC BIG Award

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

Lifespark's PATHFINDER and WALK enable home-based Parkinson's care, well suited for pilots and procurement partnerships

RESEARCH INSTITUTES

Lifespark's Parkinson's dataset and WALK platform enable neurorehab research, well suited for clinical partnerships

CAPITAL PROVIDERS

Operates in the ~$500Bn global Medtech space, with strong resonance among impact and growth investors

ACCELERATORS & OTHER ENABLERS

Lifespark's PATHFINDER platform and WALK device offer scalable, partnership-ready access to high-growth Parkinson's care markets globally

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.ifesparktech.com

Marbles Health

World's first medically-licensed neuromodulation platform combining tES, EEG, and AI-guided therapy for brain health at home and in clinic

MEET THE FOUNDING TEAM

Ramya Yellapragada
Founder & CEO
B.Tech, CS,Technology with IIIT Delhi; Tech Leaders Fellow, Plaksha University

Lakshay Sahni
Founder & CTO
B.Tech, Electrical and Electronics Engineering, Delhi Technological University; Tech Leaders Fellow, Plaksha University

CORE PROBLEM STATEMENT

1 in 5 people globally affected by brain health disorders, yet care remains largely inaccessible, clinician-constrained, and constrained to elite hospital systems

SOLUTION OVERVIEW

- Portable medically-licensed neuromodulation device combining tES, 4-channel EEG, and AI-guided CET at one-fifteenth the cost of comparable global devices
- Structured at-home care protocols with clinician oversight across depression, anxiety, ADHD, stroke recovery, OCD and TBI

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

~$2M
Funding raised

~18k+
Sessions across 75+ hospitals/clinics in 10 months

60%+
Clinically validated reduction in severity within two weeks

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

Marbles Health's licensed neuromodulation platform offers MedTech and CNS pharma partners early access to differentiated brain health technology with distribution and biomarker partnership opportunities

RESEARCH INSTITUTES

Marbles Health's multicenter RCT programme offers research institutes joint innovation opportunities in neuromodulation and precision psychiatry and neurology

CAPITAL PROVIDERS

Marbles Health operates in the global brain health market at early stage with strong clinical validation and active international licensing pathways, well-suited to neuroscience, medtech, pharma and healthtech investors

POLICY BODIES & GOVT. AGENCIES

Marbles Health's government backing and active NHS UK and bilateral innovation engagements position it as a credible partner for global public brain and mental health programmes

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.marbles.health

Neuro-Equilibrium

Advanced vestibular diagnostics and treatment for vertigo and dizziness

MEET THE FOUNDING TEAM

Rajneesh Bhandari

Founder & Managing Director

IIT Delhi; Serial Entrepreneur with a decade of healthcare infrastructure building; FutureCure Health; Investor

Dr Anita Bhandari

Co-Founder & Director

MS [ENT], PhD (Netherlands), Neurotologist & ENT Surgeon

CORE PROBLEM STATEMENT

Vertigo and dizziness affect 1 in 7 people globally. Yet vestibular specialists remain critically scarce worldwide, leaving an estimated 15% of the global population without accurate diagnosis or root-cause treatment - a silent but significant public health burden

SOLUTION OVERVIEW

- Proprietary patented diagnostic hardware, software, and cloud-based remote engine - connecting patients to expert vestibular specialists who pinpoint the cause of dizziness across 40+ inner ear and brain conditions
- Expert clinicians remotely delivering customised treatment plans - scalable across geographies
- Virtual Reality-based Vestibular Rehabilitation Therapy (VRT) - personalised, technology-driven recovery without dependency on specialist physiotherapists

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2015
Founding year

$12M
Funding raised

300+
Clinics across 90+ cities

17+
Countries, global presence

$2M
FY26 Revenue

150k
Patients treated

7
Granted patents

- Economic Times Healthcare Awards 2023

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

Presents a CE-certified, clinically validated vertigo diagnosis and treatment portfolio - built for scale and available for procurement by healthcare companies and hospital networks across the EU

ACCELERATORS & OTHER ENABLERS

CE-certified platform with 150,000+ patients and global research collaborations, well suited for EU health innovation programmes

CAPITAL PROVIDERS

Operates in the ~$550Bn global Medtech space with steady historic growth, well-suited to growth investors

POLICY BODIES & GOVT. AGENCIES

NeuroEquilibrium's remote diagnostics and clinic network enable scalable specialty care, well suited for public health systems

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.neuroequilibrium.in

Nexactly AI Solutions (RehabVeda)

EEG-based BCI rehabilitation system enabling thought-controlled motor recovery for stroke and neuro-impaired patients

MEET THE FOUNDING TEAM

Shyam A Parmar
Co-founder
Startup Incubation, Business, IIIT Roorkee;
BTech, Mechanical Engineering, LJIET

Neel Patel
Co-founder
Startup Incubation, Business, IIIT Roorkee;
Bachelors in CS, LJIET

CORE PROBLEM STATEMENT

Passive physiotherapy fails to engage brain intent, limiting neuroplastic recovery in stroke patients with high unmet rehabilitation need

SOLUTION OVERVIEW

- EEG-based BCI rehabilitation system
- Closed-loop intent detection translating thought into movement
- Pneumatic glove actuation for assisted therapy

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2022
Founding year

~95%
Patients reporting faster recovery

1k+
Patients recovered across 25+ cities

- Best Tech Startup, Shilp Startup Fest 2.0 (2025)
- Bronze Awardee, QS Reimagine Education Awards (2024)
- CES 2025 India Pavilion Finalist

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

RehabVeda's EEG-BCI platform enables intent-driven neurorehabilitation, well suited for pilots and procurement partnerships

RESEARCH INSTITUTES

Clinically deployed EEG-BCI neurorehabilitation platform well-suited for research collaboration with neuroscience labs and applied brain-computer interface institutes.

CAPITAL PROVIDERS

RehabVeda Operates in the ~$550Bn global Medtech space, with strong resonance to medtech and impact investors

ACCELERATORS & OTHER ENABLERS

Intent-driven BCI rehabilitation platform with 300+ patients treated across 25+ cities, well-positioned for health-tech accelerators driving neurorehab innovation

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.rehabveda.ai

Niramai Health Analytix

Pioneer of an AI-powered, Portable Breast Cancer Detection test with No Touch, No Radiation

MEET THE FOUNDING TEAM

Geetha Manjunath
Founder , CEO
Ph.D. Data Mining, Semantic Web; Masters in Comp Sc, IISc Bangalore. ex-Xerox, ex-HPLabs

Siva Teja Kakileti
Principle Data Scientist & CAO
Ph.D. Medical Imaging, Maastricht University; B.Tech, IIT Guwahati, ex-Xerox

CORE PROBLEM STATEMENT

Early detection of Breast Cancer is crucial to save lives. We need an affordable, portable, user-friendly test for breast cancer detection which works on women of all age groups and breast densities

SOLUTION OVERVIEW

- AI-led thermal imaging for early cancer detection
- Patented, CE-marked platform with global deployment
- Portable screening operable by minimally trained workers

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2016
Founding year

$8M
Funding raised

40+
Patents granted

500k+
Women screened

250+
Sites in 22 countries

$1.6M
FY 26 Revenue

- Winner of Common Wealth Digital Health Award (2022)
- Winner of World Bank Award for Women Health
- Eurosante Bio Accelerator Program winner (France)
- PHC Tech Challenge winner (2021)
- Top 20 Tech Pioneer, World Economic Forum

STRATEGIC ENGAGEMENT OPPORTUNITIES

CAPITAL PROVIDERS

Operates in the ~$550Bn global Medtech space with steady historic growth, well-suited to growth investors

GLOBAL CORPORATES & MNCs

NIRAMAI's Thermalytix AI enables radiation-free breast screening, well suited for pilots and procurement partnerships

RESEARCH INSTITUTES

50+ publications. NIRAMAI's AI platform is well suited further oncology research collaborations

POLICY BODIES & GOVT. AGENCIES

NIRAMAI's affordable screening model enables population-scale coverage, well suited for public health programmes

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.niramai.com

Noccarc Robotics

Advanced & smart ICU devices engineered to international standards

MEET THE FOUNDING TEAM

Nikhil Kurele
Co-founder & CEO
B.Tech, Mechanical Engineering, IIT Kanpur

Harshit Rathore
Co-founder & COO
B.S, Chemistry, IIT Kanpur

Tushar Agarwal
Co-founder & CTO
B.Tech, M.Tech, Mechanical Engineering, IIT Kanpur

CORE PROBLEM STATEMENT

Resource-constrained hospitals face ICU demand-supply gaps due to staffing shortages, poor maintenance support, and unreliable conventional devices prone to downtime, lacking integrated connectivity for remote monitoring and diagnostics

SOLUTION OVERVIEW

- Innovative tech stack with clinical excellence in respiratory therapy
- WiFi-enabled real-time remote monitoring and patient care
- Cloud-based remote diagnostics and seamless service

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2017
Founding year

~$2M
Funding raised

650
Devices deployed

~$3M
FY26 Revenue

4k+
Devices deployed

~10M
Lives touched

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

Connected ICU ecosystem, including smart ICU ventilators, Patient Monitors powered by remote monitoring platform, offers hospital OEMs and digital health leaders co-development, pilots, and procurement for scalable critical care solutions

RESEARCH INSTITUTES

Noccarc's proprietary adaptive ventilation algorithms and in-house developed tech stack, enable joint clinical research in respiratory AI, tele-ICU workflows, and next-gen monitoring innovations

CAPITAL PROVIDERS

Operating in the $550Bn global MedTech market (growing to $700Bn by 2030), Noccarc's YoY growth, installed base, and import-substituting history attract healthcare growth and impact investors targeting next-gen, connected critical care

GLOBAL CERTIFICATION BODIES

Noccarc's BIS/CDSCO-approved medical devices and ISO manufacturing, position it for EU MDR/CE pathways, with proven scalability for international regulatory validation and market access partnerships

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.noccarc.com

Pandorum Technologies

Building blocks of life – Tissue engineering and regenerative medicine

MEET THE FOUNDING TEAM

Arun Chandru

Co-founder & Director

Masters Research @ Indian Institute of Science (Gold medallist); Forbes Asia 30Under30 list of 2016

Tuhin Bhowmick

Co-founder, CEO

PhD @ Department of Physics , Indian Institute of Science; Marie Curie Fellow – European Molecular Biology Laboratory

CORE PROBLEM STATEMENT

Cornea is the transparent skin of the eye. Corneal opacity is one of the major causes of blindness. Globally, there are millions waiting for clear viable donor corneas, but <5% receive this life changing transplant

SOLUTION OVERVIEW

- Lab-manufactured bio-engineered cornea for vision restoration without donor dependence
- Functional human tissues for drug testing and disease modelling across liver, lung and skin
- Full-stack AI-driven cGMP-compliant platform producing human stem cell derived exosomes at scale with tunable properties

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2011
Founding year

~$38M
Funding raised

- Bangalore Bioinnovation Award – 2016
- Economic Times Startup Award (Innovator) – 2017
- World Cup Entrepreneurship – 1st Prize India Edition - 2018
- Several peer-reviewed high impact publications
- Featured in Nature India 2024
- Supported by BIRAC, DBT, Govt. of India

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

Pandorum Technologies' bio-engineered tissue platform offers pharma companies a strong partner for joint clinical development and licensing

RESEARCH INSTITUTES

Pandorum Technologies' tissue engineering and regenerative medicine platform is well suited for deep biomedical research and co-development partnerships

CAPITAL PROVIDERS

Pandorum Technologies operates in a ~$500B global market, backed by strong IP and a diversified pipeline, making it attractive for life sciences and impact investors.

POLICY BODIES & GOVT. AGENCIES

Pandorum Technologies' regenerative medicine platform aligns with national healthcare self-reliance goals and blindness control programme objectives

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.pandorum.com

Periwinkle Technologies

AI-enabled, FDA-cleared cervical cancer screening and triage platform delivering risk assessment in under 60 seconds

MEET THE FOUNDING TEAM

Koustubh Naik
Co-founder & Managing Director
M.S. in Engineering Management, USA; B.E. Computer Science, India

Veena Moktali
Co-founder, CEO
M.S. in Engineering Management, USA; B.E. Electronics, India

CORE PROBLEM STATEMENT

Slow, fragmented triage workflows and infrastructure gaps delay clinical intervention in cervical cancer care

SOLUTION OVERVIEW

- Electricity-free cervical imaging device enabling single-visit screening
- Cloud-based telemedicine platform for remote specialist consultation
- AI-enabled app for real-time risk assessment

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2013
Founding year

~$0.5M
Funds raised

6
Granted patents

~$2M
FY 26 Revenue

450k+
Cervical cancer screenings

1000+
User sites across 3 continents

- 2025 Zayed Sustainability Prize
- UNFPA's 2025 Equalizer Challenge Winner
- AI for Humanity Award, UAE, 2025
- India AI Impact 2026, AI by HER
- MIT Solve Global Health Award
- Startup Grand Challenge 2020 (Ayushman Bharat PM-JAY)

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCS

Clinically validated, AI-enabled cervical and reproductive health assessment platform —strong candidate for corporate partnerships

RESEARCH INSTITUTES

FDA-cleared Smart Scope® CX and AI triage platform position Periwinkle as a strong translational partner for cancer research institutes

GRANT PROVIDERS

Clinically validated, AI-enabled cervical disease detection platform - a strong candidate for public health and reproductive health grants for global impact

POLICY BODIES & GOVT. AGENCIES

Periwinkle Tech's portable, AI-enabled cervical cancer screening improves early detection, access, and population-level outcomes, including cost efficiency

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit
www.periwinkletech.com

Qure.ai

AI-powered frontline diagnostic decision support, early detection, and emergency triage

CORE PROBLEM STATEMENT

Acute specialist shortages and delayed diagnosis adversely impact outcomes across cancer, TB, stroke, HIV and other chronic diseases globally

SOLUTION OVERVIEW

- AI for early detection of TB, lung nodules and chest abnormalities on routine imaging
- Emergency triage AI flagging critical head CT findings to accelerate urgent treatment decisions
- AI-powered clinical decision support at scale, empowering frontline health workers with

MEET THE FOUNDING TEAM

Prashant Warier

CEO & Founder

PhD. Industrial and Systems Engineering, MS, Operations Research Georgia Institute of Technology; B.Tech Manufacturing Science and Engineering IITD

Dr Shibu Vijayan

Chief Medical Officer – Global Health

Masters in Public Health, Epidemiology, SCTIMST; MBBS, Medical College Thiruvanathapuram

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2016
Founding year

~$123M
Funding raised

107+
Countries, 5200 + Sites

65+
EU MDR Certifications

26
FDA Clearances

200+
Publications

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

Qure.ai's FDA-cleared AI diagnostics platform offers pharma, diagnostics and medtech corporates a proven partner for early detection, patient identification and care delivery

RESEARCH INSTITUTES

Qure.ai's evidence-backed AI platform with 200+ publications is well suited for clinical research and health innovation partnerships

CAPITAL PROVIDERS

Qure.ai operates in a large and fast-growing healthtech market, across 107 countries with accelerating commercial expansion, well-suited to growth and healthcare-focused investors

ACCELERATORS & OTHER ENABLERS

Qure.ai's frontline-ready AI diagnostics platform is well aligned with national programmes in TB, lung health, stroke and healthcare transformation

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.qure.ai

SigTuple

AI-powered automated microscopy and point-of-care diagnostics, replacing manual microscopy in labs and bringing lab-grade testing to clinicians worldwide

MEET THE FOUNDING TEAM

Tathagato Rai Dastidar

Founder & CEO

B.Tech. and Ph.D. in Computer Science, IIT Kharagpur

Pranat Bhadani

Co-Founder & Business Head

B.Tech. in Chemical Engineering, IIT Bombay

CORE PROBLEM STATEMENT

Microscopic review remains manual in 90%+ of labs globally. Incumbents are priced at $35K–$1M, locking out 180,000+ small and medium labs. Pathologists are scarce, overworked, and urban-concentrated, making manual review slow and error-prone. >2M point-of-care settings have no diagnostic capability today, forcing samples to central labs with delays and degradation

SOLUTION OVERVIEW

- AS76, an edge-AI automated microscopy platform handling haematology, urinalysis, histopathology, cytology, and microbiology on a single device
- SigVet, an imaging-based point-of-care device delivering lab-grade CBC, urinalysis, and faecal analysis for veterinary clinics
- Full-stack hardware, edge AI, and cloud with an open platform supporting third-party AI and tele-pathology workflows

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

50M
Funding raised

27
Patents granted (7 US + 20 IN)

65
Active workforce

~$1M
Revenue FY26 (100% YoY growth)

~4M
Confirmed order book FY27

300
AI100 deployments across India

- US FDA 510(k) —3rd company globally for AI-powered digital haematology
- CE-IVDR certified — AI100 and AS76
- ET Startup Awards - Most Innovative Start-Up
- Frost & Sullivan Innovation Award - Most Innovative Hematology Analyser
- NVIDIA Inception Top 6 Global Finalist
- CII Best Patent Portfolio — Engineering Start-ups

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

SigTuple's CE-IVDR certified, full-stack automated microscopy platform is well suited for OEM, co-development, distribution, and strategic equity partnerships with leading European diagnostics and life sciences corporations

RESEARCH INSTITUTES

With CE-IVDR certification and 20+ clinical studies, SigTuple is well suited for partnerships with pathology departments and university hospitals for local validation and telepathology deployment.

CAPITAL PROVIDERS

Expansion of EU sales infrastructure, the AS76 pipeline, and the SigVet platform presents a strong opportunity for life sciences and medtech investors focused on commercial-stage diagnostics platforms with validated EU market entry

ACCELERATORS & OTHER ENABLERS

Positioned well for funding programmes including EIT Health, the European Innovation Council, and Horizon Europe to accelerate EU pilots, reference accounts, and clinical validation

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.sigtuple.com

Tishyas Medical Device (MedevPlus)

Portable OCT platform enabling point-of-care retinal imaging across clinical, screening, and field settings

MEET THE FOUNDING TEAM

Ravi Kiran Manapuram
Managing Director
PhD., Mechanical Engineering, University of Houston; Bachelors, Instrumentation

Dolvin Monteiro
Chief Optometrist and Product Owner
B.Optometry, Manipal Academy of Higher Education

Akash Anand
Head of R&D
M.Sc. Tech Engineering Physics, NT, Warangal; B.Sc, Physics, DU

CORE PROBLEM STATEMENT

Access to advanced retinal diagnostics remains limited due to bulky, infrastructure-heavy systems—restricting early detection and screening beyond hospitals and urban centres

SOLUTION OVERVIEW

- Proprietary spectrometer design enabling compact, high-resolution OCT imaging
- Self-aligning, self-calibrating optics reducing operator dependency
- AI-assisted handheld interface enabling use in non-specialist and field settings

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2018
Founding year

25+
Deployments across clinical and screening environments

70%
Growth in order value over the last 2 years

Multiple
Applications extending beyond ophthalmology into veterinary and industrial domains

- IKMC 2025 Born global award
- Birac's top 75 innovations award

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs
Pilot deployments, distribution partnerships, and co-development opportunities for point-of-care imaging solutions

RESEARCH INSTITUTES
Collaborative clinical research and validation using portable, high-volume OCT screening capabilities

CAPITAL PROVIDERS
Opportunity to scale a cost-disruptive, portable OCT platform addressing global diagnostic access gaps

GLOBAL CERTIFICATION BODIES
Engagement for regulatory pathways enabling global deployment of handheld OCT in point-of-care settings

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.medevplus.com

Tricog Health

AI-powered Cardiac Intelligence Platform delivering real-time Cardiac diagnosis and timely triage across 12,000+ facilities. Impacted over 35M+ patients so far, saving over a million lives

MEET THE FOUNDING TEAM

Dr. Charit Bhograj
Founder & CEO
D.M Interventional cardiology residency program, SRMC & RI; D.M General medicine, JNMC

Dr. Zainul Charbiwala
Co-founder & CTO
Ph.D, University of California, LA

Prateek Golecha
Chief Growth Officer
MBA, IIM Ahmedabad; Executive Program, Kellogg School of Management; B.Tech, Biotechnology, Jaipur National University

CORE PROBLEM STATEMENT

Large number of cases of cardiac emergencies are lost not because care is unavailable, but because risk is detected too late, too far from specialists, or too slowly inside crowded systems

SOLUTION OVERVIEW

- Home-based Cardiac management and monitoring platform
- AI-powered and medically backed Cardiac Diagnosis within minutes
- Digital Single Lead AI-backed ECG system for rapid cardiac triage

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2014
Founding year

$45M+
Funds raised

7k+
Facilities globally equipped with Vcardia hardware

~$9.5M
FY25 Revenue

35M+
Patients diagnosed

12k+
Hospitals and health centres covered by InstaECG

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

Tricog Health's AI cardiac platform enables large-scale digital health integration, well suited for pilots and procurement partnerships

RESEARCH INSTITUTES

Tricog Health's AI cardiac platform enables real-world evidence, well suited for research and clinical partnerships

CAPITAL PROVIDERS

Tricog Health operates in the ~$550Bn global Medtech space, with strong resonance among impact and growth investors

POLICY BODIES & GOVT. AGENCIES

Tricog Health's AI-led cardiac screening platform offers scalable, partnership-ready access to high-growth global healthcare markets

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.tricog.com

09

Manufacturing & Industry 4.0

STARTUPS

Atomberg Innovation

Full-stack BLDC motor-drive design-to-manufacturing platform for HVAC, drones, and next-gen robotics OEMs

MEET THE FOUNDING TEAM

Manoj Meena
Founder & CEO
Dual degree, Electrical, Electronics and Communication Engineering, IIT Bombay

Nimesh Gupta
Chief Growth Officer
B-Tech, Electrical(Power), Indian Institute of Technology, Delhi

CORE PROBLEM STATEMENT

Fragmented electromechanical supply chains force OEMs into long NPI cycles, import dependency, and rising system costs

SOLUTION OVERVIEW

- Integrated BLDC / PMSM motor-drive platform combining power electronics and embedded firmware
- Proprietary sensorless Field-Oriented Control (FOC) and independent-tooth stator IP
- Integrated design-to-industrialisation capability spanning R&D to assembly

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2024
Founding year

$17M
FY26 Revenue

$43M+
Order book FY27

- National Award for Appliance of the Year (by President of India)

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

Atomberg's integrated motor-drive platform enables high-efficiency systems, well suited for OEM partnerships

RESEARCH INSTITUTES

Full-stack motor and power electronics platform enables advanced actuators, well suited for joint research partnerships

CAPITAL PROVIDERS

Atomberg operates in the ~$250B global Manufacturing and Industry market, rapidly growing at 20% CAGR, well-suited to growth investors

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit
www.atomberginnovation.com

Blue Machines.AI

Deploy trusted enterprise Voice AI systems for regulated industries, enabling AI agents to drive sales, resolve customer issues, take action across systems of record, and deliver reliable outcomes in production

MEET THE FOUNDING TEAM

Nirmit Parikh
Founder & Group CEO
MBA, Stanford GSB; Btech, Nirma Institute of Technology

Karna Chokshi
Group COO
MBA, Stanford GSB; Btech, IIT Delhi

CORE PROBLEM STATEMENT

Enterprises in regulated industries face a major gap between impressive Voice AI demos and production-ready systems. Existing solutions struggle with hallucinations, latency, compliance requirements, fragmented enterprise data, and unreliable workflow execution. As a result, organizations cannot confidently deploy Voice AI agents that can resolve customer issues, drive sales, take actions across systems of record, and operate reliably at scale

SOLUTION OVERVIEW

- Production-grade orchestration platform to deploy, optimize, and govern enterprise Voice AI systems across complex workflows
- Connect securely to CRM, telephony, knowledge bases, ticketing tools, and enterprise systems so they can resolve issues, drive outcomes, and complete workflows, not just respond
- Built for low-latency conversations that handle interruptions, background noise, accents, sentiment, and language switching

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2019
Founding year

~14M
FY26 Revenue

~$193M
Funding raised

<800ms
Ultra-low latency orchestration

- Best use of AI in Business Operations, Economic Times awards

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

Blue Machines' Voice AI orchestration platform and real-time inference stack offer enterprise corporates a production-ready pilot and deployment partner for conversational AI

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.BlueMachines.AI

Ethereal Machines

India's first proprietary 5-axis CNC machining platform delivering micron-precision advanced manufacturing for aerospace and defence

MEET THE FOUNDING TEAM

Kaushik Mudda
Co-Founder & CEO
B.Tech, Electrical, Electronics and Communications Engineering, R.V. College of Engineering

Navin Jain
Co-founder & CTO
B.Tech, Electrical, Electronics and Communications Engineering, R.V. College of Engineering

Raghav Shaylakumar
CFO
CA, ICAI ; B.Com, St Joseph's College of Commerce

CORE PROBLEM STATEMENT

Over-dependence on imported precision machining creates cost inefficiency, long lead times, and supply chain vulnerability

SOLUTION OVERVIEW

- Proprietary multi-axis 5-axis CNC machines
- In-house hardware, electronics, and control software
- Micron-level machining across titanium, inconel, and aluminum

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2016
Founding year

$4M
Revenue FY26

10x
Growth in active machine count (last 3 years)

$50M
Funding raised

~40%
Reduction in production timelines

- CII Top Startup in Manufacturing 2018
- CES Best of Innovation Award 2018
- MoU with Govt. off Karnataka, Invest Karnataka 2025 (smart factory setup)

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

Ethereal Machines' proprietary 5-axis CNC platform and micron-precision machining capability offer aerospace corporates a cost-efficient, domestic advanced manufacturing partner

CAPITAL PROVIDERS

Ethereal Machines operates in the ~$250B global Manufacturing and Industry market, rapidly growing at 20% CAGR, well-suited to growth investors

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit
www.etherealmachines.com

EyeROV

Indigenous full-stack marine robotics platform, including ROVs, ASVs, AUVs and AI analytics for Energy, Defense, and Maritime Industries

MEET THE FOUNDING TEAM

Johns T. Mathai
Co-Founder & CEO
M.Tech in Computer Technology, IIT Delhi;
B.Tech Applied Electronics, CET Trivandrum

Kannappa Palaniappan P
Co-Founder & CTO
Masters, Ocean Engineering, IIT Madras;
Mechanical Engineering, College of Engineering Trivandrum

CORE PROBLEM STATEMENT

Manual underwater inspections across energy and maritime sectors create safety risks, data gaps, and unplanned asset failures

SOLUTION OVERVIEW

- Full-stack marine robotics platform with indigenous ROVs, ASVs, and AUVs for inspections
- Proprietary AI platform enabling automated defect detection, 3D reconstruction, and digital twins
- e2e stack across hardware, software, and data-driven intelligence

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2017
Founding year

$3M
Funds raised

$5M
Awarded Indian Navy order for ROVs

~$1M
FY 25 revenue

Upto **10K**
long-range inspections

- National Startup Award 2022
- Winner at GITEX Supernova (Dubai)
- Dare to Dream 3.0 (DRDO) innovation challenge

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

EyeROV's marine robotics and AI analytics platform enables underwater inspections, well suited for pilots and procurement partnerships

POLICY BODIES & GOVT. AGENCIES

iDEX-validated underwater platform enables defence surveillance and inspection, well suited for procurement partnerships

CAPITAL PROVIDERS

EyeROV operates in the fast-growing, large marine robotics market, well-suited to growth investors

RESEARCH INSTITUTES

EyeROV's EVAP AI and ROV/AUV systems enable underwater intelligence, well suited for research partnerships

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.eyerov.com

IIndepro Dynamics

Indigenous BLDC motor and propulsion systems for UAVs, robotics, and space

CORE PROBLEM STATEMENT

India imports 90%+ of UAV propulsion systems, limiting cost competitiveness, customization, and strategic supply chain control

SOLUTION OVERVIEW

- Design-patented BLDC motor architectures
- Coaxial motor configurations for space-tech use
- Vortex cooling and triple-ball-bearing motor design

MEET THE FOUNDING TEAM

Parag Jayantilal Jobanputra
Co-Founder & CEO
Diploma, Mechanical engineering, Government Polytechnique Rajkot

Jaydeep Viramgama
Co-Founder & CTO
Postgraduate Diploma, Strategic Management, IIM A; B.Tech, Motor, Electrical and Electronics, Indian Institute of Technology, Mandi

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2023
Founding year

~400
Motors deployed for various applications

18
Motor products in portfolio

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

IINDEPRO's design-patented BLDC motor range and coaxial space-tech configurations offer UAV and drone corporates a customizable, cost-efficient indigenous propulsion partner

RESEARCH INSTITUTES

IINDEPRO's patented motor platform enables propulsion innovation, well suited for research and co-development partnerships

CAPITAL PROVIDERS

IINDEPRO operates in the ~$250B global Manufacturing and Industry market, rapidly growing at 20% CAGR, well-suited to growth investors

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.iindepro.com

Insightzz (MLIT18 Technology)

Physical AI platform combining machine vision, 3D imaging, and industrial robotics for real-time inspection and automation

MEET THE FOUNDING TEAM

Manish Choudhary
Co-Founder & CEO
Supply Chain and Manufacturing , Indian School of Business (ISB)

Vikram Jethmal
CTO
M.S Computer Science, International Institute of Information Technology

Amit Pathare
Co-founder
BE, MIT Academy of Engineering, Alandi, Pune

Girish Nair
Project Innovation head & Co-founder
MBA-ITBM, IT, MBA-ITBM, Information Technology; BE CS, Rajiv Gandhi Prodyogiki Vishwavidyalaya

CORE PROBLEM STATEMENT

Manual and fragmented inspection systems in metals, cement, railways, and automotive drive defects, downtime, and safety risk

SOLUTION OVERVIEW

- Machine vision systems for inspecting industrial assets
- 3D and thermal imaging for defect detection
- Robotics-integrated systems that act directly on the shop floor

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2018
Founding year

15+
Customers

~50%
YoY increase in project execution volume (FY26 vs FY25)

~$2M
Funding raised

~200
Deployments

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

Insightzz's Physical AI and machine vision enable real-time industrial inspection, well suited for pilots and procurement partnerships

RESEARCH INSTITUTES

AI-driven industrial inspection platform with deep domain expertise, well-suited for applied research collaboration in robotics and computer vision

CAPITAL PROVIDERS

Operates in the ~$500Bn global Advanced Computing market, growing 15%+ CAGR, with strong appeal to frontier technology investors

ACCELERATORS & OTHER ENABLERS

Insightzz's Physical AI platform enables industrial inspection, well suited for Industry 4.0 programmes

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.insightzz.com

Think Metal

High-speed, cost-efficient industrial metal additives for precision manufacturing

MEET THE FOUNDING TEAM

Arushi Sharma
Co-Founder & CTO
B.Tech, Mechanical Engineering, SRM IST Chennai

Sabyasachi Ghosh
Co-Founder & CEO
B.Tech, Mechanical Engineering, SRM IST Chennai

CORE PROBLEM STATEMENT

Traditional precision metal manufacturing is slow and expensive, with 2-4-week lead times that expose SMEs to delivery delays, lost business, and expensive market alternatives

SOLUTION OVERVIEW

- Industrial metal AM platform with an easy 2-step process producing metal parts in hours vs weeks
- Patented process delivering zero-defect parts validated by ASME/NABL labs

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2021
Founding year

~$1.1M
Funding raised

17+
IPs filed

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

ThinkMetal's precision metal AM platform offers automotive, aerospace and defence OEMs a faster, cost-effective parts production and manufacturing democratisation partner for SMEs and R&D houses

RESEARCH INSTITUTES

ThinkMetal's metal additive manufacturing platform is well suited for advanced materials R&D and co-development partnerships

CAPITAL PROVIDERS

ThinkMetal operates in the high-growth precision and advanced manufacturing market, well-suited to deep-tech and industrial investors

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit https://thinkmetal.in/

Unbox Robotics

Software-defined vertical robotic sortation for next-gen warehouse logistics globe

MEET THE FOUNDING TEAM

Pramod Ghadge
Director & CEO
MSc, Industrial System Engineering, NUS; B. Tech, Production Engineering, VJTI

Shahid Memon
Director & CTO
MSc, Autonomous Robotics Engineering, University of York; Bachelors, CS, Gujarat Technological University

Rohit Pitale
Director & CGO
PGPM, ISB, B.Tech Mechanical Engineering, COEP Technology University

CORE PROBLEM STATEMENT

Warehousing systems lack scalable, space-efficient, and flexible sortation solutions to handle rapidly growing parcel volumes

SOLUTION OVERVIEW

- Swarm intelligence robotic sortation using 50% less floor space than conventional alternatives
- Automated parcel consolidation and sequencing for e-commerce and 3PL operations
- Software-Defined Platform for flexible WMS-integrated robotics adaptable to changing volume profiles

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2019
Founding year

~$28M
Funding raised

~$10M
Revenue (FY25-26)

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

Unbox Robotics' vertical robotic sortation platform offers e-commerce, 3PL and retail corporates a proven fulfilment automation partner

RESEARCH INSTITUTES

Unbox Robotics' swarm intelligence and warehouse robotics platform is well suited for applied robotics research and co-development partnerships

CAPITAL PROVIDERS

Unbox Robotics operates in the high-growth warehouse automation and robotics market, making it well-suited to deep-tech and logistics-tech investors

ACCELERATORS AND OTHER ENABLERS

Unbox Robotics' software-defined platform presents strong expansion opportunities across EU and APAC warehouse automation markets

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.unboxrobotics.com

Whizzo

Materials science-based CDMO platform for engineered and technical textiles, spanning automobiles to agriculture to industrial applications.

MEET THE FOUNDING TEAM

Shrestha Kukreja
Founder & CEO
MBA, Institute of Rural Management Anand (IRMA)

Dhirendra Lodha
CSO Engineered textiles
MBA and Ph.D. in Marketing Management, ICFAI

Aniket Bhute
CSO Technical textiles

CORE PROBLEM STATEMENT

In technical textiles, labs, manufacturers, and buyers operate in silos, coming together only late in the process and stretching product development cycles to 12–15 months. This broken workflow creates high costs, slow time-to-market, and limited innovation throughput for buyers requiring custom engineered textile solutions

SOLUTION OVERVIEW

- In-house materials science lab for R&D and prototyping, integrated with a partner factory network for large-scale production
- Proprietary textile blends across medical, automotive, agricultural, and industrial applications with 10–15 day time-to-market
- Responsible textiles portfolio including carbon neutral, upcycled MMF, digital passport, and flame retardant products purpose-built for global compliance requirements

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2024
Founding year

$30M
Funding raised

25+
Countries exported

$60M
March exit ARR

$20M
Contracted order book

120+
Customers served

- Oeko-Tex Standard 100
- GRS — Global Recycled Standard
- GOTS — Global Organic Textiles Standard
- ISO 9001:2015
- ISO 14001:2015

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

Whizzo's CDMO model with 10–15 day development cycles versus 12–15 months for incumbents is well suited for co-development, supply, and procurement partnerships with industrial, automotive, athleisure, and other responsible textiles players

ACCELERATORS & OTHER ENABLERS

Positioned for EU sustainability and circular economy grants to accelerate development of carbon-neutral products, upcycled MMF, and digital passport textiles aligned with EU CSRD and textile circularity mandates

CAPITAL PROVIDERS

Whizzo’s rapid scale to $60M ARR and exports across 25+ countries makes it attractive for deep-tech manufacturing and sustainability-focused investors

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.whizzo.org

XYMA Analytics

Pioneers of ultrasonic waveguide–based multi-point, multi-parameter sensing for harsh industrial environments delivering measurements where conventional sensors simply cannot survive

MEET THE FOUNDING TEAM

Dr. Nishanth Raja
Co-Founder & CEO
IIT Madras postdoctoral , Anna University PhD , Nasscom Emerge 50 award-winning , startup founder

Aswin Kumar Kathirvel
Co-Founder & CTO
IIT Madras alum , Deeptech product builder , Nasscom Emerge 50 winner

Akshay Vinod Hankare
Vice President -Metals
MTEC, NIT Trichy

CORE PROBLEM STATEMENT

Industrial processes up to 1450 °C lack reliable real-time monitoring, as conventional sensors fail in extreme conditions

SOLUTION OVERVIEW

- Patented Waveguide Sensing: Ultrasonic architecture enables accurate, non invasive measurements up to 1450 °C by isolating sensors from extreme heat
- Advanced Signal Processing: Proprietary algorithms ensure reliable data capture in harsh environments by handling noise, attenuation, and complex reflections
- Cerosens Monitoring: Real-time thickness tracking for corrosion and erosion with wireless connectivity, enabling scalable remote monitoring of critical assets

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2019
Founding year

~$3M
Funding raised

14
Patents in high-temperature sensing

25+
Active clients across India and globally, spanning multiple industries and regions

~$5M
Contract executed with Vedanta

- National Technology Award (2023)
- NASSCOM Deep Tech Emerge 50 (2023)
- Shell E4 Digital Track Winner (2021)
- TANSEED 2.0 Winner
- AGBA 2021 Winner
- Qualcomm Design in India Challenge 2021 — Finalist
- Vedanta Spark 2023
- “Most Promising Startup – India 2025” (ELCINA)

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

XYMA Analytics offers global industrial players a strategic partner for deploying ultrasonic waveguide-based sensing and Industrial IoT solutions in high-temperature operations, enabling joint pilots, asset optimization, and scalable digital transformation

POLICY BODIES & GOVT. AGENCIES

XYMA Analytics aligns with national initiatives in industrial innovation, safety, and energy efficiency, enabling government-backed pilots, grants, and large-scale deployments to modernize critical infrastructure, reduce carbon footprints, and support sustainability goals

CAPITAL PROVIDERS

XYMA Analytics offers investors a high-growth deep-tech opportunity in industrial IoT and sensing, backed by a unique, patented solution with no direct alternatives, strong industry adoption, and scalable deployment across global manufacturing, energy, and process industries

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.xyma.in

10

Next-Gen Communications

STARTUPS

Astrome Technologies

First-in-class multi-beam e-band wireless backhaul delivering fibre-like multi-Gbps capacity

MEET THE FOUNDING TEAM

Prasad HL Bhat
*Co-founder, **CT**O, & Chairman*
PhD, IISc; Mtech, IISc; B.Tech, NITK

Dr. Neha Satak
Co-founder & CEO
PhD,Aerospace Engineering,Texas A&M University; M.Tech, Indian Institute of Science (IISc); B.Tech, Electronics and Communication, University of Rajasthan

CORE PROBLEM STATEMENT

Multi-Gbps wireless backhaul is unavailable where fibre is infeasible, leaving mobile and enterprise networks without high-capacity last-mile connectivity

SOLUTION OVERVIEW

- First-in-class auto-aligned multi-beam (GigaMesh) E-band radio with digital beamforming phased array
- Proprietary electronic beam steering
- Self-healing Sunflower technology dynamically compensating for tower tilt in real time

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2015
Founding year

$14M
Funding raised

~$0.6M
FY26 Revenue

16x
YoY Revenue growth

- Certificate of Appreciation, Indian Army
- Winner, Startup World Cup (India chapter)

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

Astrome's GigaMesh multi-beam E-band platform offers wireless OEMs and satellite corporates a proven licensing and co-development partnership

POLICY BODIES & GOVT. AGENCIES

Astrome's sovereign modem and E-band backhaul technology offers government agencies a strategic, indigenous connectivity platform for secure deployments

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

REIO Systems

Indigenous full-spectrum SDR platform bridging the critical FR3 frequency gap for 6G applications

MEET THE FOUNDING TEAM

Raviteja Devara

Co-Founder

B.Tech & M.Tech in IIT Madras.

Lakshman B

Co-Founder

M.S., Electrical, IIT Madras, B.Tech, Electrical and Electronics, SRM Institute of Technology

CORE PROBLEM STATEMENT

Limited affordable indigenous SDR exists for the FR3 band (7-24 GHz), the spectrum identified as the core frontier for 6G, leaving researchers and defense labs dependent on expensive platforms with long lead times and limited customization

SOLUTION OVERVIEW

- Wideband FR3 SDR platform covering 7-24 GHz, the only indigenous SDR addressing the mid-band spectrum frontier for 6G research and defence applications
- FPGA-based on-board AI acceleration enabling real-time beamforming, spectrum sensing, DPD, and CFR without external GPUs
- Modular, synchronisable architecture supporting massive-MIMO testbeds, scalable from single-unit prototyping to multi-node deployments

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2023
Founding year

~$52k
Seed funding raised

652%
Sales growth FY25-26
(100% volume growth)

- Top 5 Startups in India's 6G Ecosystem, Department of Telecommunications 2025
- Represented India at India Mobile Congress 2025
- Selected by ITU Innovation Exchange 2024, Next-Generation Systems track

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

REIO's FR3 SDR platform offers telecom OEMs, drone manufacturers, and defence electronics companies a cost-competitive, open-architecture SDR platforms for 6G, defence, and drone applications

RESEARCH INSTITUTES

REIO's indigenous 6G SDR platform offers European telecommunications research institutions joint innovation and testbed deployment opportunities in FR3 band systems, massive-MIMO architectures, and next-generation spectrum research

CAPITAL PROVIDERS

REIO's platform offers deep-tech and telecom-focused investors early exposure to India's indigenous FR3 SDR technology, supported by DoT grant funding and international validation, with expansion potential into defence, drone, and 6G markets

ACCELERATORS & OTHER ENABLERS

REIO's sovereign SDR technology offers telecom, defence, and space-focused accelerators a deep-tech partnership opportunity aligned with Europe's 6G and sovereign connectivity agenda

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.reiosystems.com

WiSig Networks

Full-stack wireless technology platform spanning radio, baseband, chips, and Open RAN for 5G/6G networks

MEET THE FOUNDING TEAM

Kiran Kumar Kuchi
Founder
PhD. University of Texas at Arlington; B.Tech, ECE, Sri Venkateswara University

Naresh Vattikuti
Co-founder & Head of Products
B.Tech, CS, IIIT Hyderabad

Sakshama Ghoslya
CIO
MS, Communication and Signal Processing, IIT Hyderabad; B.Tech, Electrical Engineering, IIT Mandi

CORE PROBLEM STATEMENT

Concentration among a few incumbent vendors with closed, proprietary stacks, limit interoperability, and expose operators to supply-chain and cybersecurity risk, slowing global 5G and 6G innovation

SOLUTION OVERVIEW

- Carrier-grade Open RAN 5G/6G stack, field-deployed
- Satellite-ready NB-IoT chipset for global cellular IoT
- 300+ patents including 5G/6G Standards Essential Patents

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2016
Founding year

$1M
Funding raised

$1M
FY26 Revenue

200+
International Patents

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

WiSig's full-stack Open RAN platform enables standards-aligned wireless networks, well suited for pilots and procurement partnerships

ACCELERATORS & OTHER ENABLERS

Full-stack wireless platform with 5G/6G-ready architecture, well-positioned for connectivity accelerators and European innovation programs

CAPITAL PROVIDERS

WiSig operates in a meaningfully large market, with strong growth tailwinds, well-suited to growth investors

POLICY BODIES & GOVT. AGENCIES

WiSig's 5G-enabled private networks and satellite integration offer resilient, mission-critical connectivity for space applications

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.wisig.com

11

Semiconductors

STARTUPS

Agnit Semi-conductors

India's first GaN RF semiconductor company offering end-to-end materials-to-modules integration for defence, space, and 5G applications

MEET THE FOUNDING TEAM

Hareesh Chandrasekar
Co- Founder & CEO
Ph.D. and M.Tech Nanotechnology , IISc

Digbijoy Nath
Co-founder & CTO
Ph..D, Electrical Engineering, Ohio State University ;
B.E., Electrical and Electronics Engineering, BITS Pilani

CORE PROBLEM STATEMENT

GaN components are export-controlled and import-dependent, creating strategic supply chain vulnerability for radar, 5G, and defence systems

SOLUTION OVERVIEW

- GaN RF semiconductors for defense and telecom
- Customizable, application-specific GaN components and technology
- Materials-to-modules manufacturing in-house

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2019
Founding year

15+
Patents

25-50%
Higher efficiency than conventional silicon RF amplifiers

~$7M
Funding raised

150+
Journal papers published

- IESA Best Semiconductor Startup of 2025 Award
- Nasscom Emerge50 Deep-tech Startup Award 2025
- IEEE Bangalore Section Technology Startup Award 2025

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

Agnit's GaN RF semiconductors and end-to-end materials-to-modules platform offer defence and telecom corporates a sovereign, export-control-free power amplifier supply chain

CAPITAL PROVIDERS

Agnit operates in the growing GaN semiconductor market, well suited for strategic and deep-tech investors

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.agnitsemi.com

Ananant Systems

India's first indigenous DSP and Edge AI semiconductor platform for 5G small cells and defence

CORE PROBLEM STATEMENT

Global DSP silicon is fragmented, expensive, and power-hungry, limiting scalable Edge AI and 5G deployment in cost-sensitive markets

SOLUTION OVERVIEW

- Indigenous DSP and Edge AI processor architecture
- Software-upgradeable compute fabric for wireless infrastructure
- Single architecture for baseband, AI inference, and signal processing

MEET THE FOUNDING TEAM

Dr. Chitranjan Singh
Founder & CTO
PhD UT Dallas, USA, B.Tech IIT Kanpur

Amiya Pathak
Co-Founder & CEO
B.Tech, Comp Sc & Eng, IIT Kanpur; MBA, IIM Kolkata.

Swapnil Tyagi
MTS
Mtech,Electrical Engineering, IIT Kanpur ; BTech Electrical, Electronics and Communications, Bundelkhand Institute of Engineering & Technology

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2023
Founding year

1/3
Power consumption of traditional DSPs

<$5K
Base station cost v/s $14K from incumbents

- Incubation/Accelerator recognition at SIIC IIT Kanpur

~$3M
Funding raised

10x
Better performance per watt per dollar versus incumbents

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

Ananant's indigenous DSP/Edge AI platform and 10× performance-per-watt architecture offer semiconductor and defence corporates a cost-disruptive, software-defined compute layer

RESEARCH INSTITUTES

India's first indigenous DSP and Edge AI semiconductor IP, well-suited for joint research on next-gen wireless and AI processing architectures

CAPITAL PROVIDERS

Ananant Systems operates in the growing Edge AI semiconductor space, well suited for deep-tech investors

GLOBAL CERTIFICATION BODIES

Ananant's DSP and Open RAN platform enables telecom interoperability, well suited for standards programmes

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.ananantsys.com

BigEndian Semiconductors

Edge AI SoCs for computer vision applications across surveillance, defence, and automotive applications

MEET THE FOUNDING TEAM

Sunil Kumar Morathoti
Co-Founder & CEO
MBA, IIM Bangalore; M.Tech, IIT Madras; B.Tech, IIT Madras

Kanagaraju P
Co-Founder & VP
Masters, Instrumentation Technology, IISc; B.Tech Instrumentation Technology, Anna University, Chennai

Dinesh Annayya
Co-Founder, Head of Silicon Engg.
B.E, Electronics and communication, BIET; M.Tech, Industrial Electronics, NIT Karnataka

Renuka Prasad
Co-Founder , Head of System Engg.
B.E Instrumentation, RV College of Engineering

Jansen Cheng
Co-Founder , VP Global Business Development
Masters, Electrical Engineering, University of Southern California

CORE PROBLEM STATEMENT

Growing concerns around security and trust in foreign SoCs highlight the need for inherently secure, user-centric chip design from first principles

SOLUTION OVERVIEW

- Indigenously manufactured end-to-end security stack for AI vision SoCs
- Deeply integrated privacy and authenticity engine
- Dual-sensor Edge AI ISP with zero backdoor architecture

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2024
Founding year

40+
Active Workforce

~$9M
Funding raised

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

BigEndian's BES8303 SoC and hardware-level security stack offer OEM and system integrator partners early access to differentiated, backdoor-free AI vision technology with pilot and procurement opportunities

CAPITAL PROVIDERS

BigEndian is building sovereign AI vision chips in the ~800B global semiconductor market growing at 10-15% CAGR; making it a good-fit for deep-tech investors

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.bigendiansemi.com

Morphing Machines

Future-proof universal, reconfigurable, and sovereign compute platform

MEET THE FOUNDING TEAM

Prof. S.K. Nandy
Founder & Chief Scientific Advisor
PhD. Many core SoCs; Msc Engg., VLSI CAD, IISc

Dr. Ranjani Narayan
Founder & CTO
PhD. Computer Architecture, IISc

Deepak Shapeti
Co-Founder & CEO
BE. Chemical Engineering, BMS college of Engineering, MS, Biochemical Engineering, Stanford University

CORE PROBLEM STATEMENT

Compute ecosystems lack sovereign, reconfigurable processing architectures that optimize performance, efficiency, and strategic independence across workloads

SOLUTION OVERVIEW

- Patented many-core reconfigurable platform with on-demand domain-specific architectures
- Data-centre-class secure compute SoC for BFSI, AI inference, encrypted computation and post-quantum security workloads
- Domain-specific acceleration platforms for avionics, automotive and space-tech

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2005
Founding year

~$11M
Funding raised

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

Morphing Machines' REDEFINE platform offers enterprises across defence, finance and technology a proven sovereign compute co-development partner

RESEARCH INSTITUTES

Morphing Machines' indigenously developed compute IP platform is well suited for advanced research and co-development partnerships

CAPITAL PROVIDERS

Morphing Machines operates in the high-growth global semiconductor and sovereign compute market, well-suited to deep-tech and strategic investors

ACCELERATORS & OTHER ENABLERS

Morphing Machines' sovereign compute SoC platform is well aligned with strategic semiconductor independence and critical technology policy objectives

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.morphing.in

MumbaiSemi

Designing High performance RF/Analog/Digital chips. Indigenously designed, reconfigurable navigation RF chips upporting NavIC, GPS, Galileo, and BeiDou in a single SoC

MEET THE FOUNDING TEAM

Vijay Kanchetla
Co-founder & CTO
PhD, IIT Bombay

Rajesh Zele
Co-founder
Ph.D., carnegie mellon university

CORE PROBLEM STATEMENT

Designs High-performance RF/Analog/Digital SoCs. Presenting its first indigenous silicon-proven RFIC for navigation with global satellite systems, reducing integration receiver complexity and domestic capability gaps

SOLUTION OVERVIEW

- Patented reconfigurable GNSS RFIC
- Single-chip support for NavIC, GPS, Galileo, and BeiDou
- Compact silicon-proven RF receiver with fewer external components

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2024
Founding year

$0.2K
Pre-seed funds

1
Silicon-proven RFIC

2
Patents

- Incubated at SINE, IIT Bombay
- Startup Maharati award 2025

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

MumbaiSemi's reconfigurable NavIC/GPS/Galileo/BeiDou RFIC and compact receiver design offer navigation that incorporates a cost-efficient, low-power multi-constellation chip platform; MumbaiSemi's Next-generation SoCs can enable strong collaborations with solution providers for advanced communications

RESEARCH INSTITUTES

MumbaiSemi's RFIC platform enables GNSS innovation, well-suited for research and co-development partnerships

CAPITAL PROVIDERS

MumbaiSemi operates in the growing GNSS and other communication chip markets, well-suited for deep-tech investors

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.mumbaisemi.com

Netrasemi

Power-efficient Edge AI SoCs enabling real-time on-device video analytics and sensor fusion without cloud dependency

MEET THE FOUNDING TEAM

Jyothis Indirabhai S
Co-founder & CEO
B.Tech, Electronics & Communication, College of Engineering, Trivandrum

Deepa Geetha
COO
M.Tech, Electronics and communication, Manipal Institute of Technology

Sreejith Verma
CTO
College of Engineering, Trivandrum

Hariprasad C
CSO
Postgraduate, Applied Economics, Kerala Agricultural University (KAU)

CORE PROBLEM STATEMENT

Cloud-dependent AI inference creates latency, bandwidth cost, and data privacy challenges at the edge

SOLUTION OVERVIEW

- Edge AI SoC architecture for low-power inference
- In-house hardware acceleration cores for video analytics
- On-device sensor fusion without cloud dependence

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2020
Founding year

$15M
Funding raised

90+
Active Workforce

2
2 AI/ML chips fabricated

- Semicon India future Designs startup award 2023
- IEEE Regional Outstanding startup award 2024

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

Netrasemi's Edge AI SoC architecture and on-device sensor fusion platform offer defence and industrial corporates a low-power, cloud-free vision intelligence layer

RESEARCH INSTITUTES

Netrasemi's Edge AI SoC enables vision intelligence, well suited for research and co-development partnerships

CAPITAL PROVIDERS

Netrasemi operates in the fast-growing Edge AI semiconductor space, well suited for deep-tech investors

ACCELERATORS & OTHER ENABLERS

Netrasemi's Edge AI SoC enables on-device intelligence, well suited for deep-tech innovation programmes

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.netrasemi.com

Vervesemi Microelectronics

ML-embedded signal-chain ICs and semiconductor IPs enabling high-reliability, self-healing systems in space, defence, industrial, and smart energy applications

MEET THE FOUNDING TEAM

Rakesh Malik
Co-Founder & CEO
Btech, Punjab Engineering College

Pratap Narayan Singh
Co-Founder & CTO
Btech, IIT Roorkee

CORE PROBLEM STATEMENT

Dependence on imported ICs across consumer, industrial, and space applications limits self-reliance and global competitiveness

SOLUTION OVERVIEW

- ML-embedded ICs with self-healing and fail-safe
- Multi-function 64-channel data acquisition SoC for space and avionics
- Multiple differentiated signal chain ICs for the global markets, including bridge, e-metering etc.
- 2–4× PPA signal-chain IPs for 5G, Wi-Fi, MCU, and motor control, deployed across TSMC, UMC, Samsung and other global foundries

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2017
Founding year

$10M
Funding raised

140
Semiconductor IPs developed

25
Indigenous ICs

~$2M
Revenue

10
Patents granted

20%
YoY IP Growth

- Best startup award, IESA (2018)
- DLI (Design linked incentive), MEITY awarded advanced motor control IC
- Chip to startup program, MEITY awarded BLDC controller IC

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

Licensed semiconductor IPs offer defence and aerospace partners early access to differentiated, indigenous signal-chain technology with procurement opportunities

ACCELERATORS & OTHER ENABLERS

Vervesemi is a SAFE IP alliance partner with Samsung FAB for advanced FinFET nodes and IP alliance partner with UMC foundries, having special IP-FAB partnership and making its IPs globally available to customers

CAPITAL PROVIDERS

Vervesemi operates in the high-growth global semiconductor signal chain market well-suited to deep-tech and strategic investors

RESEARCH INSTITUTES

Vervesemi's machine learning and neural processing capabilities are well suited for joint research on application of next-generation AI-ML processing architectures

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.vervesemi.com

12

Smart Cities & Mobility

STARTUPS

Ather Energy

Vertically integrated EV pioneer building high-performance electric two-wheelers, battery systems, and charging infrastructure

CORE PROBLEM STATEMENT

Limited consumer trust in electric mobility and reliance on global supply chains hinder widespread EV adoption and domestic innovation

SOLUTION OVERVIEW

- Full-stack proprietary software with OTA-native feature deployment
- In-house battery and powertrain systems with 650+ filed patents
- BIS-approved AC-DC combined Type 7 EV charging standard

MEET THE FOUNDING TEAM

Tarun Mehta
Co-Founder & CEO
Dual Degree, Engineering Design, IIT Madras

Swapnil Babanlal Jain
Co-Founder & CTO
Dual Degree, Engineering Design, IIT Madras

Shreyas Krishna Seethapathy
Chief of Staff to the CTO
B.E. Mechanical Engineering, Anna University; Postgraduate diploma, Intellectual Property Law, NLSIU; MBA from IIM Bangalore

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2013
Founding year

~$245M
FY25 Revenue

5k+
Fast charging points

~$670M
Funding raised

600k+
Units sold

700+
Experience centers

- Electric Two-Wheeler Of The Year, car&bike Awards (2025)
- Scooter Of The Year, Acko Drive Awards (2025)
- Winner - Excellent Product Design (Motorcycles), German Design Award
- Best Design Project, India's Best Design Awards (2024)

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

Ather Energy's integrated EV platform and full-stack engineering capabilities offer European battery and mobility players early access to high-performance, cost-efficient electric two-wheeler innovation

RESEARCH INSTITUTES

Ather's proprietary battery systems, powertrain IP, and 600K+ EV field dataset offer research institutes joint innovation opportunities in next-generation EV and energy storage technologies

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.atherenergy.com

Chara Technologies

Rare-earth-free synchronous reluctance motors and controllers for sustainable electric mobility

MEET THE FOUNDING TEAM

Bhaktha Keshavachar
Founder & CEO
MS. Wireless communication, Computer Architecture, Arizona State University

Ravi Prasad
Co-Founder & CMD
BE, Electrical and Electronics Engineering, University Visvesvaraya College of Engineering; BS Physics, National College, Basavanagudi

Mahalingam Koushik
Co-Founder & CTO
Master of Science, Electrical Engineering, Rensselaer Polytechnic Institute; B.Tech, Electrical Engineering, IIT Madras

Harish Lalchandani
COO
MMS, Marketing, Jamnalal Bajaj Institute of Management studies; BE Mechanical, University of Mumbai

CORE PROBLEM STATEMENT

Geopolitical concentration of rare-earth magnet supply with 90% ownership by one country, has created three interlocking risks for the global EV industry: fragile supply chains, a volatile cost floor as 40% of motor BOM is magnets, and a sustainability profile that undermines the very mission EVs are meant to serve

SOLUTION OVERVIEW

- Proprietary rare-earth-free motors (8kW–30kW) using indigenously sourceable materials, dual ARAI and ICAT certified
- Matching Controllers with proprietary Drive Control Firmware with real-time flux estimation and adaptive efficiency optimisation, maintained as trade secrets
- Vertically integrated manufacturing with full-stack control covering design, production, testing and integration

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2019
Founding year

~$12M
Funding raised

8
Patents

70+
Active customers

- Indian Innovation Icons 2025
- Matrix Startup Awards 2024

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

Chara's certified, production-ready rare-earth-free motor platform offers automotive OEMs and Tier-1 suppliers a proven co-development and supply chain partner

RESEARCH INSTITUTES

Chara's proprietary SynRM platform offers a proven foundation for co-development partnerships in advanced electric machine research. Beyond SynRM, Chara is actively exploring EESM, multi-phase induction motors, and RE-free magnets, broadening the scope for deep technical collaboration

CAPITAL PROVIDERS

Deep-tech and automotive-focused investors, sustainability and climate funds, funds with a mandate around supply chain resilience or critical minerals, and ESG-aligned capital providers seeking a direct, measurable solve for rare-earth mining dependency

POLICY BODIES & GOVT. AGENCIES

Chara's indigenously manufactured rare-earth-free platform aligns with critical minerals security and sustainable mobility policy objectives

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.chara.co.in

Exponent Energy

Proprietary 15-minute rapid charging technology for commercial vehicles of all sizes, built on an integrated battery and charging network ecosystem, focused on enabling rapid charging for large commercial vehicles at scale

MEET THE FOUNDING TEAM

Arun Vinayak

Founder & CEO

B.Tech (Mechanical Engineering), IIT Madras

Sandeep Divakaran

Co-founder & CEO (Exponent One)

Principles of Sustainable Finance, Sustainability Studies, Erasmus University Rotterdam; Chartered Accountant

Suraj Damani

VP, Strategic Partnerships and Corporate Development

PGDM, Finance, SP Jain Institute of Management & Research; Chartered Accountant

Ayush Bhargava

Head of Business

MBA, Harvard Business School; B.Tech (Computer Science), IIT Madras

CORE PROBLEM STATEMENT

Commercial vehicles are among the highest energy consumers, yet EV ecosystems are still designed for passenger cars. Fleet operators struggle to electrify due to the lack of a reliable energy platform that ensures uptime and returns. Isolated batteries and chargers fall short of commercial needs such as rapid charging, 16–24 hour duty cycles, higher payloads, and longer lifecycle demands

SOLUTION OVERVIEW

- Integrated rapid-charging battery technology and proprietary charging network delivering 15-minute charging for all commercial vehicles using standard lithium-ion cells
- Proprietary BMS, charging algorithms, and off-board cooling enabling 3,000-cycle warranty performance across all ambient conditions, certified by TUV Nord
- 1.6MW charger, one of the world's most powerful, capable of rapid charging a bus with 400+ kWh battery pack in under 15 minutes

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2020
Founding year

$65M
Funding raised

$500M
MOU signed with India's largest CV manufacturer

~4M
Revenue FY26

21
Patents granted (37 filed)

250
Active workforce

- World Economic Forum Technology Pioneer
- Norrsken Impact 100, from 1,400+ global nominations
- Forbes Asia 100 to Watch 2023
- TUV Nord Germany — 3,000-cycle battery certification

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

Exponent's rapid charging technology is well suited for OEM integration with commercial vehicle manufacturers and for energy and infrastructure operators building high-utilisation charging networks, including renewable players monetising grid capacity through charging stations

CAPITAL PROVIDERS

Focused on scaling operations and expansion, well suited for clean mobility, energy transition, and climate-focused investors, as well as climate-linked financing for charging infrastructure and bus electrification aligned with EU targets

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.exponent.energy/

Lohum

Powering energy transition through domestic critical mineral recycling and refining

MEET THE FOUNDING TEAM

Rajat Verma
Founder & CEO
MBA, Harvard University; MS Engineering, Stanford University; IIT Kanpur

Siddharth Nautiyal
Co-Founder
ESCP Business School, PGDBM, IIM A ; ESCP Business School

Tarun Singhal
Director
B.Tech, Electrical Engineering, IIT Kanpur

CORE PROBLEM STATEMENT

Global economies lack diversified, secure critical mineral refining capacity, remaining dependent on concentrated geographies for strategic supply

SOLUTION OVERVIEW

- Recycling of mineral-bearing waste streams, processing 50kTPA of feedstock annually
- Refining capability for critical minerals including Li, Co, Ni, Al, Cu and Mn at 99% battery-grade purity
- Advanced materials manufacturing for permanent magnets, CAM and Carbon Black, backed by in-house R&D

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2018
Founding year

~$100M
Funding raised

~$160M
Revenue FY26

200+
Customers and Suppliers

18
Patents granted ; 22 applications under review

50ktpa
Feedstock processed annually

10
Facilities spread over 35+ acres; 60,000 Sq. ft. R&D center

90%
Market share in lithium-ion battery recycling

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

Lohum's diversified critical minerals platform offers EV, aerospace and energy corporates a proven, supply-chain-secure sourcing and co-development partner

RESEARCH INSTITUTES

Lohum's refining and advanced materials platform enables materials science and process innovation, well suited for research and co-development partnerships

CAPITAL PROVIDERS

Lohum operates in the high-growth critical minerals and sustainable materials space, well-suited to impact, infrastructure and strategic investors

POLICY BODIES & GOVT. AGENCIES

Lohum's domestic critical minerals refining capability aligns strongly with national supply chain security and critical materials policy objectives

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit https://lohum.com/

NeoMotion

Customized, modular wheelchair ecosystem (NeoFly + NeoBolt) enabling affordable, terrain-ready independent mobility for 10,000+ users

MEET THE FOUNDING TEAM

Swostik Dash
Co-founder & CEO
Product Design, IIT Madras

Siddarth Daga
Co-founder, Chief Impact Officer
Mechanical Engineering, IIT Madras

CORE PROBLEM STATEMENT

Standard hospital wheelchairs and unaffordable powered alternatives leave persons with disabilities without practical daily mobility solutions

SOLUTION OVERVIEW

- Custom-fit wheelchair design matched to user biomechanics
- Modular mobility system for manual-to-powered conversion
- NeoFly active wheelchair plus NeoBolt powered add-on

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2016
Founding year

~$3M
FY25 revenue

100+
Cities and 20+ states covered

10k+
customers touched

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

NeoMotion's modular mobility platform enables scalable assistive solutions, well suited for pilots and procurement partnerships

ACCELERATORS & OTHER ENABLERS

Customizable wheelchair ecosystem with 10,000+ users across 20+ states - well-positioned for disability innovation accelerators and inclusive design incubators

CAPITAL PROVIDERS

NeoMotion operates in the ~$1Tn global Smart Cities & Mobility market, growing at 20%+ CAGR till 2030, well-suited to growth investors

POLICY BODIES & GOVT. AGENCIES

NeoMotion's modular wheelchair platform and 10,000+ users offer a proven solution for inclusive mobility programmes

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.neomotion.in

Solinas Integrity

Crawler robot and AI - SaaS application for pipeline inspection and condition assessment across water and sewer networks, enabling the reduction of Non-Revenue Water (NRW)

MEET THE FOUNDING TEAM

Divanshu Kumar
Co-founder & CEO
Mechanical Engineering, IIT Madras

Moinak Banerjee
Co-founder & CTO
Masters, Engineering Design,
KTH Royal Institute of Technology;
B.E, Mechanical, SRM IST Chennai

CORE PROBLEM STATEMENT

Aging underground pipeline infrastructure lacks effective inspection and workflow management, leading to 30–40% water loss and significant public health and infrastructure risks

SOLUTION OVERVIEW

- Robotic inspection with AI defect detection in live pipelines
- Endo90: Smallest Inspection Robot developed in Asia
- Swasth AI for pipeline digitization and asset mapping

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2018
Founding year

~$2.1M
Revenue FY26

30+
Cities and 16+ States in India covered

~$4M
Funding raised

10,000 KL
Water saved per day

1M
People impacted

- Winner Reckitt Lead2030 SDG 6 Challenge (Water Category)
- Awarded Best Project Execution, ITEA Awards 2025

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

Solinas' ENDOBOT and AI pipeline intelligence enable inspection, well-suited for pilots and procurement partnerships with government & industries

POLICY BODIES & GOVT. AGENCIES

Solinas' ENDOBOT and AI platform enable water network digitization, well suited for public sector partnerships and private environmental companies (Suez, Veolia)

CAPITAL PROVIDERS

Solinas operates in the ~$1Tn global Smart Cities & Mobility market, growing at 20%+ CAGR till 2030, well-suited to infrastructure and impact investors

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.solinas.in

Tsuyo Manu-facturing

Indigenous next-generation EV powertrain systems engineered for on-road, off-road, and railway applications

MEET THE FOUNDING TEAM

Vijay Kumar
Founder & CEO
PGPEX-VLFM, Operations & Marketing IIM Calcutta; B.Tech Mettallurgy and Materials

Lalit Baid
Co-founder & COO
MBA, SPJIMR; B.E Mechanical, Visvesvaraya National Institute of Technology

CORE PROBLEM STATEMENT

Lack of a customizable, cost-efficient, and application-specific indigenous EV powertrain limits OEM scalability and import substitution

SOLUTION OVERVIEW

- Patented magnetless SynRM motor architecture
- Variable-flux motor topology with hybrid phase configuration
- Telematics-enabled powertrain monitoring

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2020
Founding year

~$5M
Funding raised

29
Patents filed; 3 granted, 26 under approval

~$3M
FY 26 Revenue

275k+
Units sold in last 4 years

- MG Motor Startup Contest Finalist (top 3)

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

Tsuyo's patented SynRM motor architecture and telematics-enabled powertrain offer EV corporates a customizable, cost-efficient indigenous drivetrain platform

ACCELERATORS & OTHER ENABLERS

Next-generation EV powertrain platform with proven OEM validation, well-positioned for clean mobility accelerators

CAPITAL PROVIDERS

Tsuyo operates in the ~$1Tn global smart cities & mobility market, growing at 20%+ CAGR till 2030, well-suited to growth investors

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.tsuyo.co.in

Ubifly Technologies

India's first patented Synergistic Lift eVTOL aircraft enabling air ambulance, air taxi, and cargo services with no new infrastructure

MEET THE FOUNDING TEAM

Dr. Satyanarayanan Chakravarthy

Founder Director, CTO

PhD, Aerospace Engineering, Georgia Institute of Technology; B.Tech, Aerospace Engineering, IIT Madras

Vishnu Ramakrishnan

SVP Strategy

B.E., Mechanical Engineering – MVJ College of Engineering

CORE PROBLEM STATEMENT

Urban traffic congestion and poor emergency response times cost lives and productivity; existing ground and conventional air transport not well positioned to solve

SOLUTION OVERVIEW

- Patented Synergistic Lift eVTOL design
- Compact lift-plus-cruise aircraft for urban mobility
- Battery charging management for faster turnarounds
- Rotor and propeller design tuned for lower noise

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2019
Founding year

8
Countries with Synergist Lift Patent

~$20M
Funding raised

800+
Aircrafts in order book through existing MOUs

- First private Indian company with Design Organisation Approval (DoA) for electric aircraft from DGCA

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

Ubifly's eVTOL platform enables electric air mobility, well suited for pilots and procurement partnerships

POLICY BODIES & GOVT. AGENCIES

Ubifly's EASA engagement enables airworthiness standards, well suited for regulatory partnerships

CAPITAL PROVIDERS

Ubifly operates in the ~$1Tn global Smart Cities & Mobility market, growing at 20%+ CAGR till 2030, well-suited to infrastructure and impact investors

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.eplane.ai

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Space & Defence

STARTUPS

Agnikul Cosmos

Flexible launch service provider to Lower Earth Orbit for satellites up to 500kg

MEET THE FOUNDING TEAM

Srinath Ravichandran

Co-Founder & CEO

MS, Aerospace, Aeronautical and Astronautical Engineering, University of Illinois Urbana-Champaign; MS, Financial Engineering, Columbia Engineering

Moin SPM

Co-Founder & COO

MBA, Aeronautics/Aviation/Aerospace Science and Technology, University of Newcastle; (BE), Aerospace, Aeronautical & Astronautical/ Space Engineering, Anna University Chennai

CORE PROBLEM STATEMENT

Satellite launch infrastructure lacks flexible, dedicated deployment options, forcing small satellites into inefficient rideshare models with limited control over cost, timing, and orbit

SOLUTION OVERVIEW

- Dedicated, fully customisable and reusable launch vehicle for satellites up to 500 kg with recoverable booster stages
- Flat price per kg across 30–500 kg payload mass through a multi-engine booster configuration
- Launch from anywhere via a mobile launchpad deployable at any authorized launch location

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2017
Founding year

#1
World's first single-piece 3D-printed engine-powered launch

~20
Customers onboarded globally

~$60M
Funding raised

#1
India's first semi-cryogenic engine-powered launch

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

Agnikul's flexible, dedicated launch platform offers satellite operators and aerospace corporates a reliable, cost-effective payload delivery partner

RESEARCH INSTITUTES

Agnikul's in-house advanced manufacturing and combustion research capabilities are well suited for space technology research and co-development partnerships

CAPITAL PROVIDERS

Agnikul operates in the high-growth global commercial launch market, well-suited to deep-tech and strategic space investors

POLICY BODIES & GOVT. AGENCIES

Agnikul's sovereign launch vehicle platform is well aligned with national space programme priorities and strategic defence and technology policy objectives

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.agnikul.in

Bellatrix Aerospace

Space-qualified indigenous electric and green chemical propulsion systems for satellites across all orbital classes

MEET THE FOUNDING TEAM

Rohan Ganapathy
Co-founder, CEO and CTO
Bachelors in Aeronautical Engineering , Hindustan College of Engineering

Yashas Karanam
Co-Founder, COO
Bachelors in Electrical Engineering Sri Jayachamarajendra College of Engineering

CORE PROBLEM STATEMENT

Fragmented global propulsion supply chains impose 9–12 month lead times, cost overruns, and mission-critical geopolitical risk

SOLUTION OVERVIEW

- ARKA Hall-effect propulsion eliminating failure points
- Space-qualified systems with proprietary IP stack
- Green monopropellant system (RUDRA) using HAN-based, high-density non-toxic propellant

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2015
Founding year

$31M
Funding raised

>200%
Sales growth since 2024

>500%
Volume growth 2024

- National Startup Award
- Forbes Innovator Award

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

Bellatrix's Arka electric propulsion platform enables flight-proven thrusters, well suited for pilot and procurement partnerships

RESEARCH INSTITUTES

Bellatrix's space-qualified propulsion systems enable advanced R&D, well suited for research and qualification partnerships

CAPITAL PROVIDERS

Operates in the ~$800Bn global Space & Defense market growing at a steady rate over last 3-5 years, well-suited to growth investors

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.bellatrix.aero

BotLab Dynamics (Vayudh)

Leading drone swarm technology and indigenous UAV solutions for defence, entertainment and other applications

MEET THE FOUNDING TEAM

Anuj Kumar Barnwal
Co-Founder & CTO
B.Tech, IIT Delhi

Tanmay Bunkar
Co-Founder & CEO
B.Tech, IIT Delhi

Dr. Sarita Ahlawat
Co-Founder
Ph.D., University of Illinois

Ishwar Chandra Mishra
Animation Design Head
B,Tech, Mechanical Engineering, Dr. A.P.J. Abdul Kalam Technical University

CORE PROBLEM STATEMENT

India's drone ecosystem depends on imported hardware, limiting innovation, security, and scalability for defence and other large-scale applications

SOLUTION OVERVIEW

- Fully indigenous, proprietary swarm algorithms powering 7 Guinness World Record drone light shows
- India's first in-house nano drone (ATRI) for intelligence, surveillance, and reconnaissance operations
- In-house flight controllers, motor controllers, precision GPS, and RF modules enabling end-to-end stack control

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2016
Founding year

~$12.8M
Funding raised

- 7 Guinness World records
- iDEX grant awardee

3x
Revenue growth in the past 3 years

~$5M
FY25 Revenue

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

BotLab's drone swarm platform and indigenous UAV stack offer defence and entertainment corporates proven pilot and procurement partnerships at global scale

CAPITAL PROVIDERS

BotLab Dynamics operates in the $800B global Space & Defence market, growing to $1T by 2030, well-suited to growth investors

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.botlabdynamics.com

Dheya Engineering Technologies

Indigenous micro gas turbine engines and green hydrogen propulsion systems for aerospace, defence, and clean energy applications

MEET THE FOUNDING TEAM

Gurushankara KC
Founder & CEO
M.Tech, Mechanical, RV College of Engineering

Abhinav Alva
Co-Founder & CTO
M.Tech, Mechanical, NIT Karnataka

Chetan Kumar
Co-Founder & COO
MTech, Mechanical, MSRIT

CORE PROBLEM STATEMENT

High import dependence for high-performance micro gas turbines used in propulsion, along with the lack of indigenous, efficient hydrogen-based power systems for defence and clean-energy applications, constrains mission capability, sovereignty, and operational safety

SOLUTION OVERVIEW

- Indigenous 20 kgf and 50 kgf class micro gas turbine engines for UAVs, target drones, and loitering munitions
- Magnetic-coupled, oil-free hydrogen recirculation systems; First product adopted by the Indian Navy under the AIP programme
- Compact turbine-based power generation systems running on hydrogen and other green fuels; purpose-built for defence and clean-energy deployment, replacing imported equivalents

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2018
Founding year

4
patents filed under micro gas turbine technology

~$1.6M
Funding raised

>$1.5M
revenue generated to date

- Winner, GoI Startup Mahakumbh Maharathi Award 2025
- Winners of Elevate Karnataka Initiative 2023
- Winners of ONGC National Start-up Challenge
- Successfully deployed Hydrogen anode blower to Indian Navy's AIP program
- First private company developing military grade micro gas turbine engine under the guidance of CEMILAC-DRDO

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

DheyaTech's adaptive micro gas turbine enables clean propulsion, well suited for pilots and procurement partnerships

RESEARCH INSTITUTES

DheyaTech's adaptive microturbine and hydrogen blower make it a strong partner for hybrid propulsion R&D

CAPITAL PROVIDERS

Operates in the ~$800Bn global Space & Defense market growing at a steady rate over last 3-5 years, well-suited to growth investors

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.dheyatech.com

Dhruva Space

Full-stack satellite engineering platform spanning design, launch integration, ground infrastructure, and in-orbit operations

MEET THE FOUNDING TEAM

Sanjay Nekkanti
Co founder & CEO
M.Sc, Space Science & Technology, Lulea University of Technology; B.Tech, Electronics & Telecom, SRM university

Krishna Teja Penamakuru
Co-founder & COO
Masters, CS, Arizona State University ; BE Computer Science, BITS, Pilani

Abhay Egoor
Co-founder & CTO
Electrical Engineering, BITS, Pilani

Chaitanya Dora Surapureddy
Co-founder & Head - Legal & Finance
BE. Chemical, BITS Pilani

CORE PROBLEM STATEMENT

Fragmented space ecosystem raises mission cost, extends timelines, and limits scalable access to space infrastructure

SOLUTION OVERVIEW

- Space-grade solar arrays and mission operations software
- CubeSat and Ring deployers for launch integration
- Satellite platforms spanning 0.5U to 300 kg class

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2012
Founding year

~750%
Y-o-y revenue growth

~$45M
Contract Sales signed in last 18 months

- National Startup Award, 2020
- Pandit Deendayal Upadhyaya Telecom Skill Excellence Award 2022

~$9M
FY26 Revenue

~$30M
Funding raised

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

Dhruva Space's full-stack satellite platform and launch heritage offer space corporates a proven, e2e mission delivery partner

RESEARCH INSTITUTES

Dhruva Space's multi-format satellite platforms and mission operations software position it as a strong research and technical partner

CAPITAL PROVIDERS

Operates in the ~$800Bn global Space & Defense market growing at a steady rate over last 3-5 years, well-suited to growth investors

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.dhruvaspace.com

Digantara Industries

Space surveillance and intelligence company dedicated to defending sovereign and allied interests across operational domains from emerging threats ensuring safety, security, and long-term sustainability

MEET THE FOUNDING TEAM

Anirudh Sharma
Co-Founder & CEO
PhD, Management, National American University; PGDBM, Mumbai University

Rahul Rawat
Co-Founder & COO
B.Tech, CS, Lovely Professional University

Tanveer Ahmed
Co-founder & *CTO*
B.Tech, Aerospace, RV College of Engineering

CORE PROBLEM STATEMENT

Space is increasingly contested and yet there is limited persistent, high-fidelity awareness of activities in orbit, limiting the ability detect, attribute, and respond to potential threats

SOLUTION OVERVIEW

- Space domain awareness for safeguarding critical assets
- Missile warning and tracking capabilities for rapid detection
- Edge computing to reduce latency and enable faster insights

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2020
Founding year

~$4M
FY25 Revenue

10x
YoY Revenue Growth

~$65M
Funding raised

$25M
Contracted sales signed in the last 8 months

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

Digantara targets 3 segments: Defence and Intelligence for actionable space intelligence, Space Operators for predictive orbital insights, and Insurers for real-time risk and predictive analytics

POLICY BODIES & GOVT. AGENCIES

Digantara provides space domain awareness to support policy, regulation, and sustainable governance of orbital assets

CAPITAL PROVIDERS

Operates in the ~$800Bn global space & defence market, with strong growth and clear appeal to growth-focused investors

RESEARCH INSTITUTES

Digantara's optical sensing and STARS analytics make it a strong partner for space surveillance research.

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.digantara.co.in

EndureAir Systems

Indigenous heavy-lift autonomous UAV solutions delivering upto 200 kg payload capacity for high altitude logistics and defence

MEET THE FOUNDING TEAM

Rama Krishna
Co-founder & CEO
M.Tech and B.Tech Aerospace Eng., IIT Kanpur

Chirag Jain
Co-founder & CTO
MS(R), Aerospace Eng. IIT Kanpur, B.Tech Mechanical Eng., IIT Patna

CORE PROBLEM STATEMENT

Conventional multirotor UAVs lack the payload capacity, endurance, and high-altitude performance for critical operations

SOLUTION OVERVIEW

- Inhouse variable-pitch rotor technology suited for pan India operations
- Indigenous heavy lift UAV architecture with 10+ supporting patents
- Inhouse software stack for all developed solutions

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2018
Founding year

~5x
Revenue in 2 years

70kg
Payload UAVs deployed

$10M
Funding raised

~$1.3M
FY25 Revenue

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

EndureAir's heavy-lift UAV platform enables high-altitude payload operations, well suited for pilots and procurement partnerships

RESEARCH INSTITUTES

EndureAir's UAV platform enables autonomous systems, well suited for research and co-development partnerships

CAPITAL PROVIDERS

Operates in the ~$800Bn global Space & Defence market, with strong growth and clear appeal to growth-focused investors

POLICY BODIES & GOVT. AGENCIES

EndureAir's indigenous heavy-lift UAV platform enables high-altitude defense logistics and surveillance deployable at national scale

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.endureair.com

Eon Space Labs

Indigenously developed, miniaturized EO/IR imaging payloads for drone, defense, and space applications

MEET THE FOUNDING TEAM

Sanjay Kumar
Co-founder
Masters, Optics, IIT Madras; B.Tech, Avionics, Indian Institute of Space Science and Technology

Punit Badeka
Co-founder
Masters, Industrial Production and Technologies, Shri G S Institute of Technology & Science

CORE PROBLEM STATEMENT

80–90% dependence on imported EO/IR optics limits cost efficiency, customization, and strategic supply chain control

SOLUTION OVERVIEW

- Miniaturized EO/IR payloads for drones and satellites
- Germanium-free infrared optics for compact sensing
- Multispectral and SWIR modules for low-visibility imaging

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2022
Founding year

15+
Active workforce

~$1M
Funding raised

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

EON Space Labs' miniaturized EO/IR payloads enable cost-efficient sensing, well suited for pilots and procurement partnerships

RESEARCH INSTITUTES

EON Space Labs' EO/IR payloads enable sensor innovation, well suited for research and co-development partnerships

CAPITAL PROVIDERS

Operates in the ~$800Bn global Space & Defence market, with strong growth and clear appeal to growth-focused investors

ACCELERATORS & OTHER ENABLERS

Indigenously developed, field-tested EO/IR payload platform well-positioned for space-tech accelerators driving defence imaging innovation.

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.eonspacelabs.com

Fabheads Automation

India's first company to adopt automated composite manufacturing process (AFP, ATP, CCF etc) for aerospace, drone, defence, and space applications

MEET THE FOUNDING TEAM

Dhinesh Ramupillai Kanagaraj
Founder & CEO
IIT Madras

Abhijeet Rathore
Co-founder & CTO
B.Tech, Mechanical Engineering, IIT Delhi

Nivas Vallavan
CBO
M.S, Solar Energy, College of Engineering, Guindy ; BTech, Electrical and Electronics Engineering, Amrita Vishwa Vidyapeetham

CORE PROBLEM STATEMENT

Manual composite manufacturing drives 20–30% material waste, long production cycles, and import dependence for critical components

SOLUTION OVERVIEW

- India's first Continuous Carbon Fibre machine for composite production
- Automated Fibre Placement and Automated Tape Placement systems
- Proprietary software linking design, analysis, and fabrication
- 3D-printed molds, Aerostructures, Landing gears and other Composite products for Aerospace and Defence sector

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2015
Founding year

10+
Patents

~$11M
Funding raised

70+
Active workforce

- Aegis Innovation Award
- National Startup Award
- JEC Outstanding Innovation Award

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

Fabheads' operates a 100,000 sq ft factory in India catering to 100+ clients from prototyping to mass manufacturing, providing global corporates a proven, cost-efficient manufacturing partnership

RESEARCH INSTITUTES

Fabheads' AFP/ATP platform and carbon fibre expertise make it a strong partner for next-gen composite R&D.

CAPITAL PROVIDERS

Operates in the ~$800Bn global Space & Defence market, with strong growth and clear appeal to growth-focused investors

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.fabheads.com

GalaxEye

All-weather, all-time multi-sensor satellite imaging solutions

MEET THE FOUNDING TEAM

Denil Chawda
Co-Founder
Masters, Structural Engineering, IIT Madras;
Bachelors, Mechanical Engineering, BIT

Kishan Thakkar
Co-Founder
B.Tech, Metallurgical and Materials Engineering, IIT Madras

Pranit Mehta
Co-Founder
Dual Degree, Engineering Design, IIT Madras

Rakshit Bhatt
Co-Founder
Dual Degree, Engineering Design, IIT Madras

Suyash Singh
Co-Founder & CEO
B.Tech Mechanical Engineering, LNCT;
M.Tech Aerospace Engineering, IIT Madras

CORE PROBLEM STATEMENT

Earth observation systems lack reliable, all-weather, day-night imaging capabilities, due to cloud cover, low-light limitations, etc. limiting consistent access to actionable satellite data

SOLUTION OVERVIEW

- OptoSAR combining SAR and optical payload for all-weather, all-time satellite coverage
- GalaxEye Maiden Satellite "Mission Drishti", world's first multi-sensor imagery satellite and India's largest privately built satellite
- GalaxEye Hypernova, an AI analytics platform extracting actionable insights from satellite imagery for defence and security

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2021
Founding year

~$1M
Order book with India's Ministry of Defense

~$20M
Funding raised

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

GalaxEye's OptoSAR data and AI analytics platform offer corporates a proven, scalable geospatial intelligence and co-distribution partner

RESEARCH INSTITUTES

GalaxEye's multi-sensor satellite platform enables advanced remote sensing research, well suited for research and co-development partnerships

CAPITAL PROVIDERS

GalaxEye operates in the high-growth global space tech and defence analytics market, well-suited to deep-tech and strategic investors

POLICY BODIES & GOVT. AGENCIES

GalaxEye's all-weather satellite data and defence analytics solutions make it a strong partner for national space, defence, and intelligence programmes

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www. galaxeye.space

Gurutvaa Systems

Indigenous AI-enabled counter-drone (C-UAS) system for detecting, tracking, and neutralizing aerial threats for Indian defence

MEET THE FOUNDING TEAM

Harshad Shivshankar Dave

Co- founder & Director

PGPM, Management Development Institute, Gurgaon; M.S. Embedded Systems, BITS, Pilani

Sonika Dave

Director

B.Tech

CORE PROBLEM STATEMENT

Rapid proliferation of low-cost adversarial drones outpaces legacy air defence, creating critical airspace vulnerabilities in contested environments

SOLUTION OVERVIEW

- Handheld anti-drone system disrupting RF, GNSS
- Proprietary system and Full IP ownership with deployment across defense operations

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2014
Founding year

~$3M
FY25 Revenue

25 Acre
Setting up CoE for R&D and Manufacturing of Anti-Drone Systems in India

100%
YoY growth (FY25)

~$30M
order in hand

- BHUMI Challenge Award, 2022
- iDEX challenge award, 2021
- COAS Commendation Card for Operation Sindoor
- In Service with IAF, IA, Navy BSF, CRFP, State Police

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

Gurutvaa's DRONAAM anti-drone system and fully owned C-UAS IP offer defence corporates a proven, field-deployed counter-drone platform

CAPITAL PROVIDERS

Operates in the ~$800Bn global Space & Defense market growing at a steady rate over last 3-5 years, well-suited to growth investors

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.gurutvaa.com

ideaForge

Vertically integrated, mission-critical UAV platforms for high-endurance ISR — India's pre-eminent drone manufacturer, ranked 3rd globally

MEET THE FOUNDING TEAM

Ankit Mehta
Co-Founder & CEO
B Tech, M.Tech, Mechanical Engineering, IIT Bombay

Vipul Joshi
Co-Founder & CFO
MBA in International Business, University of Business and Finance, Switzerland

CORE PROBLEM STATEMENT

Absence of trusted, reliable, and field-proven indigenous UAV systems limits adoption in mission-critical defence and enterprise operations

SOLUTION OVERVIEW

- Patented UAV flight control and communication architecture
- Fixed-wing VTOL design for long-endurance missions
- In-house hardware and software stack for drones

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2007
Founding year

~$24M
FY26 Revenue

~70%+
Indigenization in the supply chain

~$60M
Funding raised

50+
Patents granted

100%
In-house development of software

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

ideaForge's SWITCH VTOL platform and 100+ patent stack offer defence and aerospace corporates India's most battle-proven indigenous UAV system

POLICY BODIES & GOVT. AGENCIES

ideaForge's SWITCH VTOL and UAV stack provide a combat-proven indigenous drone for defence surveillance operations

CAPITAL PROVIDERS

Operates in the ~$800Bn global Space & Defense market growing at a steady rate over last 3-5 years, well-suited to growth investors

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.ideaforgetech.com

Manastu Space Technologies

Proprietary green propulsion systems using non-toxic MS289 propellant for safe, efficient in-orbit satellite maneuvering

MEET THE FOUNDING TEAM

Tushar Jadhav
Co- founder & CEO
B.Tech, M.Tech, Aerospace, IIT Bombay

Ashtesh Kumar
Co-founder & CTO
M.Tech, Thermal and Fluid Engineering, B.Tech Mechanical, IIT Bombay

CORE PROBLEM STATEMENT

The satellite industry is constrained by propulsion systems that are hazardous, hard to scale, and complex to integrate with risky ground operations - driving overall cost and thus delaying missions

SOLUTION OVERVIEW

- Green propulsion using proprietary MS289 propellant
- High-temperature ceramic catalyst for propellant decomposition
- Compact thruster architecture for small satellites

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2017
Founding year

~70%
Increase in sales in FY26

~$7M
Funding raised

~150%
Increase in volume in FY26

- I-Booster System delivery to DRDO (2024)
- Vyom 2U Space Qualification (2024)
- iDEX Defence Innovation Challenge (2023)
- Dare to Dream Award by DRDO (2019)

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

Manastu Space's green propellant and validated thrusters enable safe satellite propulsion, well suited for pilots and procurement partnerships

RESEARCH INSTITUTES

Manastu Space's MS289 green propellant and thrusters make it a strong partner for advanced small satellite propulsion R&D

CAPITAL PROVIDERS

Operates in the ~$800Bn global Space & Defense market growing at a steady rate over last 3-5 years, well-suited to growth investors

ACCELERATORS & OTHER ENABLERS

Manastu Space's flight-proven green propulsion suits space-tech accelerators and EU programmes on sustainable satellites

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.manastu.com

Nabhdrishti Aerospace

Indigenous turbojet engine platform (20–400+ kgf) for UAV and defence applications at 3–5× cost advantage over imported alternatives

MEET THE FOUNDING TEAM

Rohit Chauhan
Co-founder & CEO
IM.Tech, Thermal Engineering, IIT D; B.E, Mechanical Engineering Deen Dayal Upadhyaya, Gorakhpur University

Arjun Srivatsa
Co-founder & COO
Masters, Aerospace, IISc

Antanu Sadhu
Co-founder & CTO
M.Tech Mechanical Engineering, IIT Kanpur

CORE PROBLEM STATEMENT

India's UAV ecosystem depends on imported small turbojets at ₹20–35 lakh per unit, creating cost, supply, and strategic autonomy barriers

SOLUTION OVERVIEW

- Modular turbojet engine architecture for UAVs
- Scalable thrust design from 20 to 400+ kgf
- ADE-DRDO qualified 400N engine for flight use

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2023
Founding year

~$4M
Funding raised

~$6M
FY25–26 order pipeline

3-5x
Cost advantage vs imported alternatives

- Top Startup in Karnataka Elevate 2023

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

Nabhdrishti's ADE-DRDO qualified turbojet and modular 20–400+ kgf engine architecture offer UAV and defence corporates a cost-efficient, indigenous propulsion platform

RESEARCH INSTITUTES

Nabhdrishti's DRDO-qualified turbojet and microturbine make it a strong partner for UAV propulsion R&D.

CAPITAL PROVIDERS

Nabhdrishti operates in the ~$800Bn global Space & Defence market, with strong growth and clear appeal to growth-focused investor

POLICY BODIES & GOVT. AGENCIES

Nabhdrishti's DRDO-qualified turbojet offers defence agencies a proven indigenous UAV propulsion platform aligned with indigenization.

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.nabhdrishti.in

NewSpace Research & Technologies

Intelligent unmanned systems with battle-proven swarm capabilities

MEET THE FOUNDING TEAM

Sameer Joshi
CEO & Director
Bachelors, Military Operational Art and Science

Julius Amrit
COO & Director
Computer Science, IITD; PGDM, IIM Calcutta

CORE PROBLEM STATEMENT

Next-generation robotics-led warfare demands intelligent and autonomous platforms capable of operating across complex, contested environments

SOLUTION OVERVIEW

- Intelligent autonomous systems spanning fixed wing, multirotor, collaborative combat aerial vehicles, stratospheric and satellite systems
- AI-enabled applications for persistent ISR, kinetic strikes and logistics across a large portfolio of autonomous systems
- VR, AR and MR-based immersive solutions for training, mission planning and simulations

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2017
Founding year

#1
World's first operational swarm bought by any National Defence Service

~$100M+
Funding raised

Multiple
Deep tech programs with Indian Ministry of Defense and US Army Research Labs

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

NewSpace's intelligent unmanned systems platform offers aerospace and defence corporates a proven co-development partner for low-cost, long-range autonomous and stratospheric systems

RESEARCH INSTITUTES

NewSpace's autonomous systems and swarm technology platform is well suited for applied research partnerships in UAV, autonomy and dual-use robotics

CAPITAL PROVIDERS

NewSpace operates in the high-growth global autonomous defence systems market, well-suited to venture capital and private equity investors

POLICY BODIES & GOVT. AGENCIES

NewSpace's battle-proven autonomous systems platform is well suited for R&D programmes focused on next-generation autonomous and defence capabilities

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.newspace.co.in

Optimized Electrotech

Electro-optical ISR platform delivering real-time, multi-spectral situational intelligence for defense operations

MEET THE FOUNDING TEAM

Sandeep Shah
Co-founder
PGDM, Marketing, IIM Calcutta; BE, Instrumentation & Control, Gujarat University

Dharin Shah
Chief Marketing Officer
M.Tech, Instrumentation, Indian Institute of Science, Bengaluru

CORE PROBLEM STATEMENT

Fragmented, high-latency ISR architectures limit real-time decision-making and effectiveness in contested environments

SOLUTION OVERVIEW

- Proprietary image fusion across SWIR, thermal, and visible inputs
- SWIR imaging that sees through fog and haze
- Edge-AI processing for real-time target detection

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2017
Founding year

$16M
Funding raised

~$2M
FY25 Revenue

6x
Sales growth in FY24-25

- Innovations for Defense Excellence Challenges Award (4x winner)

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

Optimized Electrotech's SWIR imaging and edge-AI fusion stack offer defense partners early access to fielded ISR technology

CAPITAL PROVIDERS

Optimized Electrotech operates in the space and defence market, well suited for deep-tech investors

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit
www.optimizedelectrotech.com

OrbitAID Aerospace

On-orbit satellite servicing and refuelling platform enabling adaptability, resilience, and mission success across space applications

MEET THE FOUNDING TEAM

Sakthikumar R
CEO
M.Tech, BIT Mesra; B.Tech, VSB Engineering College

Nikhil Balasubramanian
COO
PHD, TU Munich; Mt.tech, Israel Institute of Technology; B.Tech, Coimbatore Institute of Technology

CORE PROBLEM STATEMENT

Satellites follow a one-time-use paradigm, creating unsustainable debris accumulation or stranded asset value when propellants run out

SOLUTION OVERVIEW

- TRL-8 patented docking interface enabling rendezvous, berthing, and fuel transfer in all orbital regimes
- Real-time visual recognition and AI-driven autonomous navigation for satellite proximity operations
- End-to-end on-orbit servicing stack spanning docking, robotic manipulation, and refuelling for life extension

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2021
Founding year

~2x
Revenue growth in the past 2 years

~$1.1M
FY26 Revenue

~$2.5M
Seed Funding raised

- Aegis Graham Bell award (2026)
- Top space tech startup, HDFC Bank tech Innovators (2025)
- Forbes India Select 200
- Top space tech startup, HDFC Bank tech Innovators (2025)

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

OrbitAID's on-orbit servicing platform and autonomous docking IP offer satellite corporates a proven partnership for mission life extension

ACCELERATORS AND OTHER ENABLERS

OrbitAID's on-orbit servicing platform is well suited for EU space tech accelerators and innovation programmes driving sustainable space operations

CAPITAL PROVIDERS

OrbitAID operates in the ~$800B global Space & Defence market, growing to ~$1T by 2030 at 7.4% CAGR, well-suited to space-tech growth investors

POLICY BODIES & GOVT. AGENCIES

OrbitAID's on-orbit refuelling and debris reduction platform offers space agencies a strategic partner for sustainable orbital operations

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.orbitaid.com

Raphe mPhibr

Develops and manufactures advanced aircraft systems with a research-driven, integrated, end-to-end approach

MEET THE FOUNDING TEAM

Vikash Mishra
Founder & Chairman
Massachusetts Institute of Technology
University of Arkansas

Vivek Mishra
Founder & CEO
Georgia Institute of Technology
National Institute of Technology

Aman Chhabra
Chief Operating Officer
Guru Gobind Singh Indraprastha University

Alexandre Guion
Chief Strategy & Procurement Officer
Massachusetts Institute of Technology
French Institute for Nuclear Sc. & Tech (France)
CentraleSupélec (France)

CORE PROBLEM STATEMENT

Global aircraft supply is concentrated in low-cost incumbents while rapidly evolving requirements demand faster, scalable, and high-performance alternatives

SOLUTION OVERVIEW

- Four verticals: composite materials, engines & propulsion, mil-grade electronics & wire harnesses, and software
- 300+ Research Staff, $20M design, simulation & lab facilities with 100+ unique IP discoveries
- 500+ Manufacturing Staff, $150M plant & machinery with 15+ first-in-India advanced manufacturing machines

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2017
Founding year

$28M
FY25 Revenue

2M+ km
Flight experience

$150M
Funding raised

800+
Team

13
Countries of Origin

- Chief of Army Staff Commendation for Op SINDOOR, Indian Army
- SME of the year, Indo-French Business Awards (2025)

STRATEGIC ENGAGEMENT OPPORTUNITIES

POLICY BODIES AND GOVT AGENCIES

Raphe's sovereign, military-grade aircrafts portfolio enables government agencies to facilitate strategic IP flows, co-development agreements, and cross-border defence procurement

RESEARCH INSTITUTES

Raphe's advanced aircrafts and 100+ IP assets across composites, engines, and autonomy offer R&D institutions joint innovation opportunities in next-generation defence and aerospace systems

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.raphe.com

Rekise Marine

Autonomous surface and underwater vehicle platforms with sovereign AI autonomy stack for Indian Navy ISR and maritime defence operations

MEET THE FOUNDING TEAM

Maitrai Maka
Founder & CEO
B.Tech, IIT Kharagpur

Shekhar Mital
Co- Founder & Director
M.Tech ,Electronics & Communication IIT Kharagpur

CORE PROBLEM STATEMENT

Heavy reliance on manned vessels and imported unmanned systems creates strategic dependency and operational risk in India's maritime domain

SOLUTION OVERVIEW

- Sovereign autonomy stack across surface and underwater vehicles
- Mission planning, navigation, and sensor fusion on one codebase
- Command-and-control GUI for fleet and swarm operations

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2017
Founding year

$10M
Funding raised

5x
Revenue growth in past 2 years

~$40M
FY25–26 order pipeline

- MPAUV contract by Goa Shipyard Limited
- iDEX Aditi 1.0 selectee for Indian Navy's flagship XLAUV program
- MAR-a-THON selectee for JNPA maritime innovation challenge

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

Rekise Marine's autonomous maritime platforms enables indigenous underwater operations, well suited for autonomous sensor/ payload OEMs for joint development of autonomous vessels and procurement partnerships

RESEARCH INSTITUTES

Rekise Marine's autonomy software and Jalkapi XLAUV make it a proven partner for underwater robotics R&D

CAPITAL PROVIDERS

Operates in the ~$800Bn global space & defense market growing at a steady rate over last 3-5 years, well-suited to growth investors

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.rekise.com

Satsure

Satellite-powered decision intelligence for agriculture, finance & infrastructure and aviation

MEET THE FOUNDING TEAM

Prateep Basu

Co-Founder & CEO

Master of Science in Space Studies, Space Engineering & Management, International Space University; B.Tech, Aerospace Engineering, Indian Institute of Space & Tech

Rashmit Singh Sukhmani

Co-Founder & CTO

MBA, Thompson Rivers University; B.Tech, Physical Science, Indian Institute of Space and Technology

CORE PROBLEM STATEMENT

Critical decisions in climate resilience, financial inclusion, food security, forestry and sustainable infrastructure remain constrained by the absence of reliable, scalable earth observation and AI-driven intelligence

SOLUTION OVERVIEW

- Cloud-native geospatial lakehouse, data and AI refinery for cross-sector insights delivery (SatSure Sparta)
- Purpose-built products (SatSure Sage, SatSure Skies) for agricultural lending, infrastructure, utilities and aviation
- High-resolution optical and multispectral earth observation satellite payloads

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2017
Founding year

$20M
Funding raised

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

SatSure's decision intelligence platform is well suited for corporates in agriculture, forestry, agri-credit, insurance, aviation and infrastructure sectors

RESEARCH INSTITUTES

SatSure's geospatial AI and earth observation platform is well suited for remote sensing research and co-development partnerships

CAPITAL PROVIDERS

SatSure operates in the high-growth global geospatial and earth observation market, well-suited to deep-tech and strategic investors

POLICY BODIES & GOVT. AGENCIES

SatSure's satellite-powered intelligence platform aligns strongly with national priorities in agriculture, forestry, infrastructure and aviation policy

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit https://www.satsure.co/

TM2Space Technologies

Building large-scale compute and storage infrastructure in orbit, vertically integrating the design and development of nearly every component required for high-performance computing satellites

MEET THE FOUNDING TEAM

Ronak Kumar Samantray
Founder & CEO
B.Tech, Computer Science, College of Engineering and Technology, Bhubaneswar

Anand Rajagopalan
EVP, Business
B.Tech, Civil Engineering, NIT, Warangal

CORE PROBLEM STATEMENT

Scaling terrestrial data centers requires years-long acquisition of land, power grid access, and water for cooling - making GW-scale deployment increasingly difficult

SOLUTION OVERVIEW

- Orbital data centers with high-performance compute and storage in LEO
- OrbitLab — open platform for in-orbit inferencing and storage access
- Vertically integrated satellite manufacturing in India at 40–70% lower cost than global benchmarks

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2024
Founding year

~0.5M
Revenue FY25 – 26 (50x growth YoY)

200W
Compute reaching orbit this year (MOI-1)

$5.6M
Funding raised

~$8M
Contracted order book

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES & MNCs

TM2Space's orbital compute infrastructure enables sovereign AI inferencing and data storage independent of terrestrial constraints — well suited for technology integration, pilots, and procurement partnerships

ACCELERATORS & OTHER ENABLERS

Focused on international grant funding to accelerate R&D and expand commercial presence

CAPITAL PROVIDERS

Scaling from 200W to 5KW in orbit over the next two years. Well suited for deep-tech and space-focused investors seeking early positions in the orbital data center category

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.tm2.space

Tonbo Imaging

Wideband AI accelerated Software Defined Radio platform enabling 6G prototyping and intelligent radio applications across defence, space, and telecom" to "The Intelligence Stack for the Autonomous Battlefield

MEET THE FOUNDING TEAM

Arvind Lakshmikumar

CEO & Co-Founder

PhD graduate, Robotics Institute, Carnegie Mellon University; MS, ME, Chemistry , Computer Science, BITS Pilani; MS, Ohio Universitty

Ankit Kumar

Co-Founder & CBO

Bachelor of Technology (Honours),Computer Science and Engineering, International Institute of Information Technology, Hyderabad

Cecilia D'Souza

Co-Founder

CA, Institute of Chartered Accountants of India ; B.Sc, Bangalore University

CORE PROBLEM STATEMENT

Modern warfare is driven by autonomous systems. Systems which provide sensing, scene interpretation, long range secure communication, precision stabilization, guidance and control are expensive and traditionally imported

SOLUTION OVERVIEW

- Tactical EO/IR optronics across land, naval, airborne, and missile platforms with thermal sights, gimballed payloads, and precision munition seekers
- Jet-powered loitering munitions and autonomous deep-strike drones with on-board EO/IR seekers and AI-enabled terminal guidance
- High-Power Microwave directed energy systems for naval swarm defence, base protection, and high-speed counter-UAS engagements

KEY BUSINESS HIGHLIGHTS AND ENDORSEMENTS

2003
Founding year

100%
IP on all products designed and sold

~$50M
Revenue FY25, 120% CAGR FY23-25

~20k+
Systems in 24 countries

~66%
Export share in FY25 Revenue

$8M
PAT FY25

STRATEGIC ENGAGEMENT OPPORTUNITIES

GLOBAL CORPORATES

Tonbo's defence electronics platform offers global OEM partners early access to differentiated ITAR-free battlefield technology with co-development opportunities

POLICY BODIES & GOVT. AGENCIES

Tonbo's 24 sovereign military end-users position it as a credible partner for government defence procurement and bilateral co-development

CAPITAL PROVIDERS

Tonbo operates in the $200B+ global defence electronics market at IPO-filing stage with 120% CAGR, well-suited to deep-tech investors

ACCELERATORS & OTHER ENABLERS

Tonbo is actively scaling across global defence markets, well-suited for accelerators supporting international market access and export programmes

Note: Above analysis is non-exhaustive and is based on inputs shared directly by the startups and additional outside-in analysis of publicly available information (including press searches, reports, and expert interviews etc.)

For more details visit www.tonboimaging.com