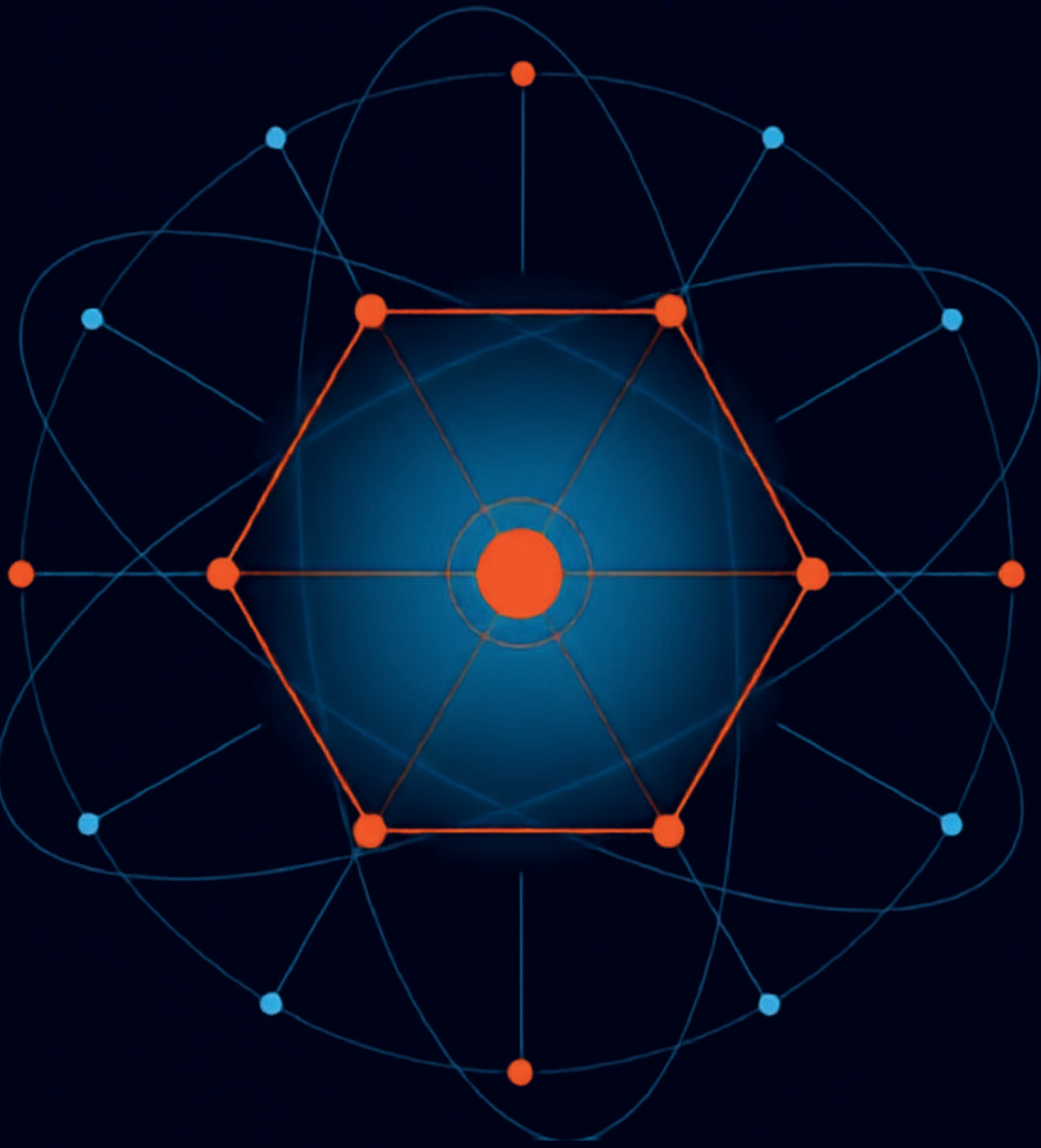
iTNT
TAMILNADU TECHNOLOGY HUB



Startup Catalogue

Deep & Emerging Tech Ventures from Tamil Nadu

Volume 01

About the Hub

Tamil Nadu's deep tech hub

iTNT Hub is a joint initiative of MeitY, Government of India and the Government of Tamil Nadu, headquartered at the Anna University campus in Chennai. It exists to move deep technology out of the lab and into working companies — through shared infrastructure, technical mentoring, capital and market access.

Deep and Emerging Technology

Our work spans quantum, semiconductors, AI and compute, robotics and UAVs, space systems, cybersecurity and immersive technology. The Hub runs specialist labs, a venture studio that builds companies out of research, a design scheme for hardware prototyping, and an investment vertical that takes founders to institutional capital.

About this edition

A selection, not the full portfolio — fifty ventures chosen to show the range of deep technology now coming out of Tamil Nadu. Each profile sets out what the team builds, where it has reached, and what it is looking for next.

50
ventures in this edition

263
supported to date

For industry

- Scout technologies ready for pilots
- Find co-development partners
- Shortlist transformation partners for innovation procurement

For investors

- Curated Deal flow across frontier sectors
- Introductions made by the Hub

Every profile carries a named contact at iTNT Hub — write to us and we will make the introduction.

AI & VISION INTELLIGENCE PAGES: 01-08

Blunav Technologies
Kenesis Labs
Atium Sports
Veyyil Textile Innovations

AEROSPACE & DRONES PAGES: 09-20

Dream Aerospace
Lesoko Technologies
Grahaa Aerospace
Reude Technologies
Pullinam Aerospace
Aerolyt

QUANTUM & CYBERSECURITY PAGES: 21-30

Qspace Labs
Quantelle
Qnfoundrix Systems
Intrust Innovation Labs
Agri CPS

MOBILITY PAGES: 31-36

Torus Robotics
WROX AI
Daijo

ROBOTICS & AUTOMATION PAGES: 37-44

GOAT Robotics
Imrobonix
Vividbots
Xera Robotics

SUSTAINABILITY & CLEAN TECH PAGES: 45-60

Carbon Loops
Reneonix
Scrapify Eco Tech
Setler Ecopolymer
Suzhiyam
Refab Materials
Resenvi Technologies
Vayujal

AR/VR/XR PAGES: 61-66

Focus AR
VReon Tech India
InnoXR Labs

CONSTRUCTION TECH PAGES: 67-70

Tvasta
Sugora Infrastructure

A selection, not the full portfolio — fifty ventures chosen to show the range of deep & emerging technology now coming out of Tamil Nadu.

HEALTHCARE — PAGES: 71-76

Helyxon
Epixo Robotics
Erytos
IBT Aura

SPACE TECH — PAGES: 77-84

Thazhal
Tospace
Trinav Space Tech

ENTERPRISE TECH — PAGES: 85-94

Inblue Infotech
Cogno Valley
Lexdash Technologies
WhiteAI Analytics
Hivecrest Technologies

OTHERS — PAGES: 95-100

Ediode Technologies
Sicrest Semiconductors
Spark Invotech

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AI & VISION INTELLIGENCE



Blunav Technologies

Founded in	Location	Employees
2016	Chennai	11

Team



Suseendar Marimuthu
Founder & CEO

Leads Blunav's strategy and technology direction, building India's first AI-powered Airport Operations stack, now live at Chennai International Airport under the Airports Authority of India.



Cherukuru Sridharan
Co-Founder & COO

Co-leads Blunav's operations and execution, driving deployment and client relationships across Airports Authority of India, GMR Group, IndiGo and Digiyatra.

www.blunav.in

susee@blunav.in

Blunav

An AI-powered Airport Operations stack for automation, efficiency and passenger experience.

Brief

Blunav builds an AI-powered Airport Operations stack spanning airside operations, air traffic control support, terminal and landside management, and passenger processing. Its flagship system, AMCOMS, is live and AAI-certified at Chennai International Airport - India's first indigenous airside flight traffic management system.

Use Cases

- **Airside & Air Traffic Control:** Runway monitoring, turnaround management and conflict/ deviation alerts.
- **Terminal & Landside Operations:** Passenger flow, resource allocation and wait-time analytics.
- **Passenger Processing & Billing:** Check-in, kiosks, e-gates and boarding via Pax OS.

Tech Domain	Fund Raised
AI/ML	INR 9.92 Cr
TRL Stage	**Startup Stage**
TRL 8	Growth

Product

Blunav develops two platforms integrating AI, computer vision and IoT for airport operations and passenger processing.

Airport AI

AI-powered suite for flight management, resource allocation, aircraft turnaround, airside safety and ATC support, powered by proprietary AI model "Natya," trained on 350,000 flight movements and 3M resource allocations

Pax OS

Hybrid cloud platform for check-in, self-service kiosks, e-gates and boarding, integrated with Indigo's Departure Control System and DigiYatra biometric validation

Clients

Competitive Advantage

- First and only Indian company to deploy an indigenous, AAI-certified airside flight traffic management system
- Deep technical partnerships with NVIDIA and MIT's DINaMo group
- Measured, verifiable outcomes: docking-time accuracy improved from ±5 minutes to ±5 seconds; 98% successful docking-data capture
- Winner, AAI Startup Initiative; positioned to displace foreign incumbents SITA and Amadeus in India's PAX processing market

Product Image



ATIUM Sports

Founded in	Location	Employees
2024	**Chennai**	**3**

Team



Murugesh Kumar SK
Founder & CEO

an entrepreneur with 15+ years of experience who founded ATIUM to bring sports science, data and technology into athlete performance and management.



Neelkanth Raju
Co-Founder & CTO

A technology professional with 18+ years of software engineering experience, specialising in data, cloud and analytics systems for ATIUM's sports intelligence platform.

www.scermlind.com

murugesh@atiumsports.com

AI-powered sports intelligence for athlete performance and management.

Brief

ATIUM Sports develops a unified Athlete Management System (AMS) that integrates training, wellness, medical, performance and assessment data across athletes and support teams. The platform supports 80+ sports and provides dashboards, analytics, AI-assisted insights and hardware integrations.

Use Cases

- Athlete performance and training-load monitoring.
- Injury management, recovery and medical tracking.
- Data-driven talent assessment and athlete development.

Tech Domain	Fund Raised
AI/ML	INR 85L
TRL Stage	**Startup Stage**
TRL 8	Revenue

Product

ATIUM develops a unified sports intelligence platform that combines athlete performance, training, medical and wellness data into actionable insights.

- ATIUM Sports AMS: Centralised athlete management covering training, wellness, medical and performance data.
- Performance Analytics: Dashboards and AI-assisted insights for monitoring training loads, readiness and performance.
- Injury Management: Digital workflows for injury tracking, rehabilitation, recovery and return-to-play decisions.
- ATIUM AssessPro: Data-driven fitness and sports assessments for athletes, clubs and academies.

Clients

Competitive Advantage

- Integrates athlete, coaching, medical and sports-science data on one platform.
- Supports 80+ sports with 60+ specialised performance dashboards.
- Integrates with wearables, sensors and sports-performance hardware.
- Combines AI, sports science and real-time analytics for decision support.

Product Image



Kenesis Labs

Founded in	Location	Employees
2022	Chennai	5

Team



Amrish
Founder & CEO

An Young Entrepreneur focused on building AI and automation solutions for complex enterprise environments. He brings experience in product strategy, go-to-market execution, business scaling, and capital efficiency, having previously built and exited a services business.

www.kenesis.ai

admin@kenesis.ai

AI-powered vision intelligence platform transforming cameras into real-time operational decision systems.

Brief

Kenesis is an industrial AI startup developing computer vision and video analytics solutions for manufacturing and enterprise environments. Its platform transforms existing CCTV infrastructure into intelligent systems for real-time safety monitoring, PPE compliance, quality inspection, process adherence and operational monitoring.

Use Cases

- **Industrial Safety & Compliance:** Real-time PPE, hazard and zone monitoring.
- **Manufacturing & Quality Intelligence:** Detects process deviations, skipped steps, defects and operational anomalies.
- **Field Service & Workforce Intelligence:** Captures work episodes for technician support, skill validation, training and knowledge retention.

Tech Domain	Fund Raised
Industrial AI	10 Lakh (grant)
TRL Stage	**Startup Stage**
TRL 5	Revenue

Product

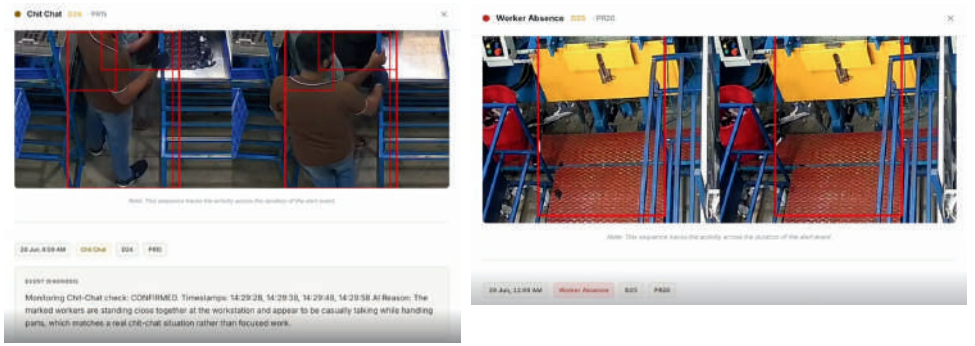
Kenesis Vision is an AI-powered visual intelligence platform that converts CCTV and first-person camera data into actionable insights for industrial environments.

- **Safety Monitoring:** Detects PPE violations, hazards, unsafe activities and restricted-zone breaches.
- **Manufacturing Intelligence:** Identifies process deviations, defects and abnormal activities through video analysis.
- **Smart Vision:** Uses wearable cameras/smart glasses to capture work activities for assistance and training.

Competitive Advantage

- Edge/on-premise AI enabling local processing of video data.
- Works with existing CCTV infrastructure, reducing additional hardware requirements.
- Context-aware vision that understands activities and sequences, not just individual objects.
- Combines fixed-camera intelligence with first-person visual data from smart devices.

Product Image



Clients

Vidiem For the joy of cooking
TOYODA GOSEI
WEG
CAPLIN POINT Laboratories

Veyyil Textile Innovations

Founded in	Location	Employees
2022	**Chennai**	**2**

Team



Kharthikeyan
Founder & CEO

Developing AI-powered computer-vision solutions for knitted-fabric analysis, quality inspection and textile workflow automation.

VEYYIL

AI-powered vision intelligence platform transforming cameras into real-time operational decision systems.

Brief

Veyyil develops AI-based technology for automated textile quality monitoring, with an initial focus on fabric analysis in cotton textile production. Its solution applies computer vision and image analysis to identify fabric defects and quality variations, reducing reliance on manual inspection and supporting more consistent production monitoring.

Use Cases

- Map current CCTV, incident-monitoring and response processes to identify key gaps and bottlenecks.
- Evaluate AI-based detection use cases, technologies, architectures and vendors against operational requirements.
- Define priority use cases, pilot criteria, custom-development needs and a phased implementation plan

www.veyyil.com
info@veyyil.com

Tech Domain	Fund Raised
Computer Vision	INR 6.5L
TRL Stage	**Startup Stage**
TRL 5	Pilot

Product

Veyyil Textile Innovations develops AI-powered computer vision technology for automated fabric inspection and textile quality monitoring. Its solution is designed to identify defects and improve quality-control processes in textile manufacturing.

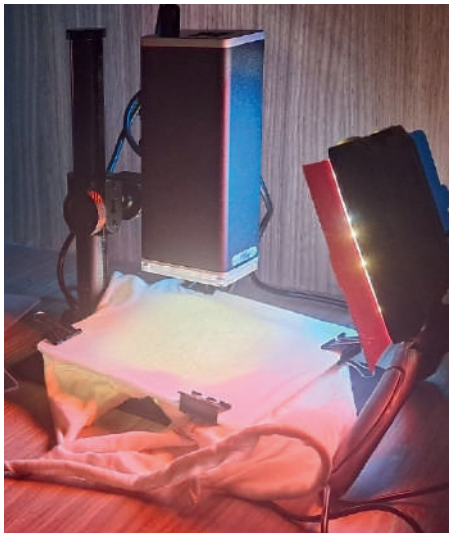
- **Fabric Analysis:** Uses computer vision to analyse textile surfaces.
- **Defect Detection:** Identifies fabric defects during the manufacturing process.
- **Quality Monitoring:** Supports automated inspection and classification of textile products.

Clients

Competitive Advantage

- Applies computer vision specifically to textile quality inspection.
- Automates identification of fabric defects during production.
- Enables more consistent and scalable inspection compared with manual processes.
- Combines textile-domain knowledge with AI-based visual quality analysis.

Product Image



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AEROSPACE & DRONES



Dream Aerospace

Founded in	Location	Employees
2022	**Chennai**	**10+**

Team



Hari Krishnan KJ
Co-Founder & CEO

Aerospace engineer with expertise in rocket propulsion, Hari drives Dream Aerospace's mission of building high-performance green propulsion systems, backed by hands-on experience designing and launching a record-recognized balloon satellite.



Rogith
Co-Founder & COO

Aerospace engineer with expertise in design and manufacturing, Rogith drives Dream Aerospace's strategy to keep its technologies scalable and production-ready, leading operations from prototype to production floor.

www.dreamaerospace.in

hari@dreamaerospace.in

Powering non-toxic propulsion for India's satellite future.

Brief

Dream Aerospace develops indigenous space-propulsion technologies for satellites and spacecraft, focusing on green, high-performance and reliable propulsion systems. Its capabilities span green monopropellants, chemical propulsion, thrusters and spacecraft mobility, supporting applications from CubeSats to larger space missions.

Use Cases

- **CubeSat Propulsion :** ATOM thrusters for satellites from 1U to 26U+
- **Satellite Orbit Management:** Post-orbit corrections, maneuvering, and debris avoidance
- **On-Orbit Servicing:** PRISM enables robotic refuelling and satellite Manipulation

Tech Domain	Fund Raised
Aerospace	INR 10.4 Cr
TRL Stage	**Startup Stage**
TRL 6	Pilot

Product

Dream Aerospace builds green, non-toxic propulsion systems for satellites and CubeSats using its proprietary RH521 propellant — higher performance, lower cost, easier handling than hydrazine.

- **ATOM:** India's first HAN-based thruster, 1N+ thrust, plug-and-play for CubeSats 1U–26U+
- **CUBEHOOD :** Complete 2U propulsion module, 3D-printed tank, CAN bus interface.
- **MOLECULE :** India's first N_2O–Propane bi-propellant thruster, 200–500N thrust.
- **PRISM** : Robotic refuelling & in-space manipulation for satellite servicing.

Strategic Partners

Competitive Advantage

- Uses a non-toxic green propellant with higher performance than hydrazine and safer handling.
- Has an MoU with ISRO and IN-SPACe for testing and validation.
- Offers propulsion modules at around $45K compared to the $60K–$80K market range
- Owns in-house IP across propellant, catalyst, thrusters, and robotics.

Product Image





Grahaa Aerospace

Founded in	Location	Employees
2018	**Chennai**	**7**

Team



Ramesh Kumar V
Founder & CEO

Leading the development of Earth-observation nanosatellites and near-real-time geospatial intelligence solutions. An entrepreneur with an electrical-engineering background and MBA from Manipal University, he has over 16 years of entrepreneurial experience and has founded multiple startups across India and Singapore.



Malaya Kumar
Director

Leading research in satellite systems, mission operations and space technology. He has a background in aerospace and space science, with experience in satellite reliability, spacecraft design and mission architecture. He is also the Founder & CEO of Acceleron Aerospace.

www.grahaa.space

grahaaspace@gmail.com

GRAHAA

Near-real-time Earth observation and geospatial intelligence from nanosatellites

Brief

Grahaa Space is a SpaceTech company developing a low-Earth-orbit nanosatellite constellation for near-real-time geospatial video intelligence. Its satellites combine high-resolution optical payloads, onboard AI, edge computing and inter-satellite communication to capture, process and deliver actionable Earth-observation intelligence. The platform is designed to support defence, disaster response, agriculture, mining, industrial monitoring, forestry and urban infrastructure applications.

Use Cases

- Defence and security intelligence through near-real-time satellite observation.
- Disaster monitoring for floods, wildfires and emergency response.
- Agriculture, mining and infrastructure monitoring using high-resolution Earth-observation data.

Tech Domain	Fund Raised
Aerospace	Not Publicly Disclosed
TRL Stage	**Startup Stage**
TRL 8	Pilot

Product

Grahaa Space is developing an integrated nanosatellite platform and geospatial intelligence service that captures, processes and delivers near-real-time Earth-observation video from low Earth orbit.

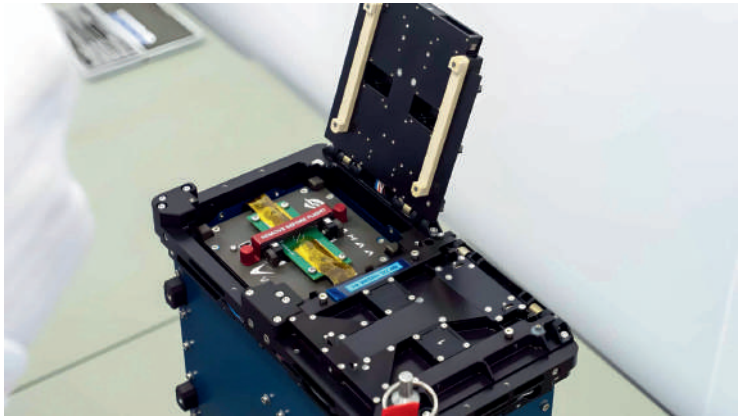
- Nanosatellite Constellation: Modular, stackable satellites designed to scale from individual technology demonstrators toward a larger Earth-observation constellation.
- Onboard AI & Edge Computing: Processes, compresses and analyses satellite data in orbit to identify relevant information before transmission to Earth.
- Geospatial Intelligence Platform: Delivers satellite video, alerts and analytics through secure cloud infrastructure and APIs for defence, disaster response, agriculture and enterprise applications.

Ecosystem Partners

Competitive Advantage

- Near-real-time video intelligence from orbit aims to provide dynamic situational awareness beyond conventional static satellite imagery.
- Modular and stackable satellite architecture is designed to reduce integration time and mission costs while enabling constellation-scale deployment.
- Onboard AI and edge computing enables data processing and object detection directly in orbit, reducing the volume of raw data that needs to be transmitted.
- Integrated orbit-to-insight architecture combines satellites, inter-satellite links, ground processing and secure APIs rather than treating satellite hardware and analytics as separate offerings.

Product Image



Pullinam Aerospace

Founded in	Location	Employees
2023	**Thanjavur**	**10**

Team



Karunakaran C S
Founder & CEO

15+ years in aviation ecosystem leadership; led 100+ aerospace projects including 7 aircraft re-assemblies and 6 major restorations; inventor of Asia's First Flying Bike; 40+ national and international awards, 150+ global lectures delivered; held key leadership roles in SAEINDIA, AeSI, IEI and IAAA.



Shivaprasaath S B
Co-Founder & COO

Published researcher in AI, Machine Learning, Embedded Systems & IoT, with work focused on predictive maintenance, smart automation and performance optimization; leads strategic development, operations and technological innovation at Pullinam; Electronics & Communication Engineer from VIT.

www.pullinamaerospace.in csk@pullinamaerospace.in

PULLINAM
AEROSPACE TECHNOLOGIES (P) LTD
Safer, lighter and greener

India's First Scalable Electric-Ready Light Aircraft

Brief

Pullinam Aerospace develops sustainable electric aircraft and indigenous aviation technologies for pilot training, regional mobility and defence applications. The company focuses on designing energy-efficient aircraft platforms that can reduce operating costs while supporting India's transition toward cleaner and more accessible aviation.

Use Cases

- **Pilot Training & Flight Schools:** DGCA microlight-category training aircraft for civil aviation institutions.
- **Defence & NCC:** IAF, Navy and NCC requirement of ~800 microlight aircraft over the next decade.
- **Private & Regional Aviation:**Chartered aircraft and affordable short-range regional mobility.

Tech Domain	Fund Raised
Aerospace	NA
TRL Stage	**Startup Stage**
TRL 4	Prototype

Product

Pullinam develops the PAT-LSA01, a 2-seater Light Sport Aircraft with dual propulsion variants for near-term certification and future electric readiness.

IC Variant
Rotax 912/916, 75 kW (100 hp), empty weight ~290 kg, 100L fuel capacity

Electric Variant
58 kW (78 hp), empty weight ~430 kg, 25 kWh in two liquid-cooled batteries

General
Length 6.5m, wingspan 10.71m, max takeoff weight ~600 kg

Customer

SKYWORKS AVIATION
INTERNATIONAL PRIVATE LIMITED

Competitive Advantage

- Dual propulsion strategy enables near-term DGCA certification (IC) while staying future-ready (electric)
- Advisory board of DRDO, ISRO and CEMILAC veterans lending certification credibility
- State-backed via iTNT (Tamil Nadu Technology Hub) and technical support from IAAA

Product Image



Lesoko Technologies

Founded in	Location	Employees
2018	**Chennai**	**72**

Team



D. A. Abel Mathew
Founder & CEO

Daniel Andrews Abel Mathew is a co-founder and director of Lesoko Technologies, involved in developing the company's drone technology and aerial intelligence solutions.



Parthasarathy V
Director

Parthasarathy Venugopal is a co-founder and director of Lesoko Technologies, supporting the company's business and technology development in drone-enabled industrial solutions.

www.lesoko.in

sales@lesoko.in

LESOKO®
Fly Beyond

Drone-powered aerial intelligence and inspection solutions for industrial and infrastructure applications.

Brief

Lesoko Technologies is a full-stack drone technology company providing aerial data acquisition, surveying, inspection, surveillance and AI-powered analytics. Its solutions serve renewable energy, infrastructure, mining, oil & gas, agriculture and government sectors, helping organisations improve operational efficiency, safety, asset monitoring and decision-making through precise aerial intelligence.

Use Cases

- Thermal and visual inspection of solar and wind assets.
- Aerial monitoring of power lines, railways and pipelines.
- LiDAR-based surveying, mapping and 3D modelling.

Tech Domain	Fund Raised
Drone Tech	NA
TRL Stage	**Startup Stage**
TRL 9	Growth

Product

Lesoko provides drone-powered surveying, inspection and aerial intelligence solutions that combine UAVs with advanced sensors, GIS and AI analytics.

- **Drone Surveys:** RTK/DGPS, LiDAR and photogrammetry for high-accuracy topographic and 2D/3D mapping.
- **Asset Inspection:** Thermal and RGB imaging for solar panels, wind turbines, transmission lines and railway infrastructure.
- **AI Analytics:** AI-powered defect detection, predictive insights, dashboards and automated reporting.
- **Drone Surveillance:** Aerial monitoring, night vision, intrusion detection and wildlife monitoring for critical assets.

Clients

Competitive Advantage

- Centimetre-level surveying using RTK-GPS, DGPS, LiDAR and advanced photogrammetry.
- Combines drone data capture with AI-powered analytics and cloud-based reporting.
- Provides end-to-end solutions covering surveying, inspection, monitoring and data analysi
- Demonstrated large-scale operational experience across solar, wind, mining, railways and infrastructure.

Product Image



Reude Technologies

Founded in	Location	Employees
2021	**Chennai**	**22**

Team



Reginald C
Founder & CEO

Leading the development of indigenous UAV platforms and autonomous payload technologies for industrial, logistics, agriculture and defence applications.

www.reude.in

business@reude.tech

REUDE TECHNOLOGIES

Autonomous high-payload UAVs for logistics, defence and industrial applications.

Brief

REUDE Technologies is a Chennai-based deep-tech aerospace startup developing autonomous UAV platforms for high-payload and labor-intensive applications. Its flagship Stingraey drone uses patented payload-swapping technology to support multiple missions from a single platform, serving applications across logistics, agriculture, infrastructure, industrial operations and defense.

Use Cases

- Precision spraying, seeding and farm operations
- Autonomous high-payload delivery and material movement
- Inspection and monitoring of industrial assets
- Surveillance and border-monitoring applications

Tech Domain	Fund Raised
Drone Tech	₹30L (SISFS)
TRL Stage	**Startup Stage**
TRL 8	Pilot

Product

REUDE develops autonomous high-payload UAV systems that enable payload delivery, swapping and mission operations with minimal human intervention.

- **Stingraey:** High-payload autonomous drone with rapid payload swapping for logistics, agriculture and industrial applications.
- **GAPs System:** Patented cable-free grabber arm for secure payload handling of up to 20 kg.
- **Canopus:** Autonomous drone surveillance pod for real-time aerial monitoring, alerts and zone-based security.
- **Rotrix & DynoX:** Intelligent propulsion testing and analytics ecosystem for real-time motor, thrust and UAV propulsion testing.

Competitive Advantage

- Autonomous battery and payload swapping enables continuous drone operations with reduced turnaround time.
- Stingraey combines high-payload capability with a modular payload ecosystem for multiple applications.
- Patented cable-free GAPs technology enables secure and precise payload handling up to 20 kg.
- 10,000+ flight hours and 50,000+ automated cycles have been reported in validation of its turnaround system.

Product Image





Aerolyt

Founded in	Location	Employees
2024	**Chennai**	**4**

Team



Vinoth
Founder & CEO

Vinoth R leads Aerolyt's development of indigenous drone technology and drone light-show solutions, with a focus on building scalable hardware and aerial entertainment systems.



Yoganand D
Co Founder & CTO

Yoganand D leads Aerolyt's technology development, focusing on drone systems, flight technology and the software infrastructure supporting synchronized drone operations.

www.aerolyt.in

info@aerolyt.in

AEROLYT

Indigenous drones and technology for precision light-show experiences

Brief

Aerolyt is a drone technology company developing high-performance nano drones and complete drone-show systems for entertainment and aerial displays. Its solutions combine precision flight control, synchronized LED lighting, wireless communication and show-design software.

Use Cases

- Synchronized drone light shows for events and celebrations.
- Aerial storytelling and branded entertainment displays.
- Drone fleet sales, training and technical support.

Tech Domain	Fund Raised
Drone Tech	Not Disclosed
TRL Stage	**Startup Stage**
TRL 7	Pilot

Product

Aerolyt develops indigenous nano drones and complete systems for synchronized aerial light shows.

- **NOVA X1:** Lightweight nano drone designed for synchronized LED light shows, with up to 25-minute flight time.
- **Ground Control System:** Wireless system for coordinating and controlling drone fleets during shows.
- **Show Design Software:** Creates and manages synchronized aerial formations, animations and storytelling.
- **Drone Show Support:** Includes pilot, safety and crew training, technical support and OTA software updates.

Competitive Advantage

- Indigenous drone hardware designed specifically for light-show applications.
- Integrated hardware, ground-control and show-design software ecosystem.
- Precision positioning with RTK/GPS and centimetre-level hovering accuracy.
- Production capability of up to 250 drones within 60 days.

Product Image



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QUANTUM & CYBERSECURITY



Qspace Labs

Founded in	Location	Employees
2025	**Chennai**	**4**

Team



Ritesh Balayan
Founder & CEO

Leading the development of quantum-secure free-space optical communication technologies for high-speed, secure space connectivity.

Quantum-secure optical communication infrastructure for space systems.

Brief

Q Space Labs is developing secure optical communication infrastructure for space-to-ground data transmission, combining quantum communication and free-space optics. The company aims to develop high-throughput optical links with quantum-level security for government, defence and commercial space applications.

Use Cases

- Secure space-to-ground communication for satellite systems.
- Quantum-secured communication for defence and government networks.
- High-bandwidth optical data transmission from orbital systems.

qspacelabs.com
hello@qspacelabs.com

Tech Domain	Fund Raised
Quantum	NA
TRL Stage	**Startup Stage**
TRL 3	Prototype

Product

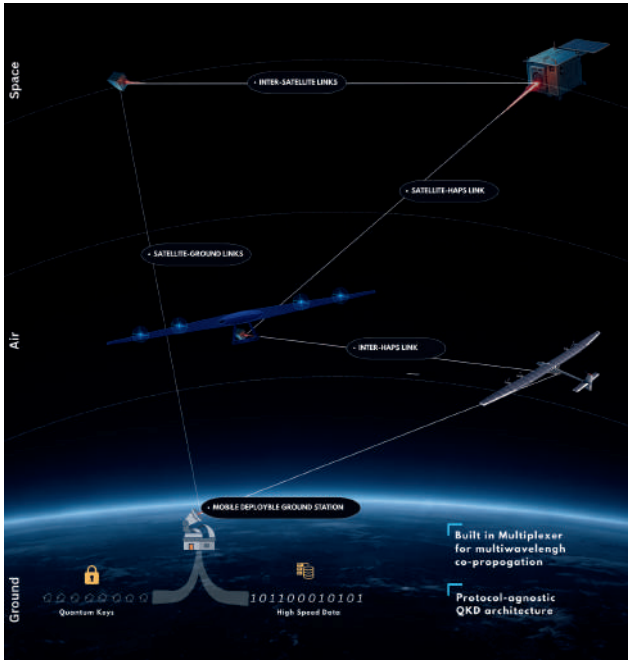
Quantumspacelabs develops quantum-secure optical communication technologies for space and satellite applications. The company combines optical communication with quantum security to enable secure, high-bandwidth links between spacecraft and ground infrastructure.

- **QKD Systems:** Enables secure quantum key distribution for communications.
- **Optical Links:** Provides high-bandwidth communication between space and ground systems.
- **Space Security:** Develops quantum-secure architectures for satellite communications.

Competitive Advantage

- Combines quantum key distribution with optical space communications.
- Focuses specifically on secure satellite-to-ground communication infrastructure.
- Targets high-bandwidth communication while addressing quantum-era security threats.
- Integrates SpaceTech and quantum communication for mission-critical applications.

Product Image



Qnfoundrix Systems

Founded in	Location	Employees
2022	**Chennai**	**2**

Team



Christy Rajkumar
Founder & CEO

Focusing on developing quantum-safe cybersecurity solutions that address emerging data-security and cryptographic challenges.

qnfoundrix.com

admin@qnfoundrix.com

QNFoundrix Systems Private Limited

Quantum-safe cybersecurity solutions for secure data storage, verification and protection.

Brief

QNFoundrix builds security infrastructure designed to address the gap between claimed data deletion and independently verified sanitisation. Its QSSE platform analyses residual storage signals after erase operations and generates tamper-evident cryptographic proof using post-quantum cryptographic techniques.

Use Cases

- Verifiable data sanitisation for enterprise storage infrastructure.
- Secure storage decommissioning across cloud and data centres.
- Government and defence data destruction with cryptographic proof.

Tech Domain	Fund Raised
Quantum	₹1.7Cr (Pre-Seed)
TRL Stage	**Startup Stage**
TRL 3	Prototype

Product

QNFoundrix develops quantum-safe storage security solutions that combine artificial intelligence with post-quantum cryptography. Its technology focuses on providing independently verifiable proof that sensitive data has been securely sanitised from storage infrastructure.

- **QSSE:** Quantum-safe storage engine for secure data sanitisation.
- **AI Verification:** Analyses residual data signals following the erasure process.
- **Cryptographic Proof:** Generates tamper-resistant evidence confirming successful data sanitisation.

Competitive Advantage

- Combines AI-based residual-data analysis with post-quantum cryptography.
- Provides independently verifiable evidence of successful data sanitisation.
-
- Creates tamper-resistant cryptographic proof for compliance and audit requirements.
- Addresses emerging security requirements for enterprise and critical storage infrastructure.

Product Image



Agri CPS

Founded in	Location	Employees
2023	**Chennai**	**2**

Team



Sheriff Babu
Founder & CEO

Entrepreneur and industry professional with over 40 years of experience, combining deep domain knowledge with AI and geospatial technologies to develop practical intelligence solutions for agriculture.

agricps.com

sheriff@agricps.co

AI-powered crop intelligence and all-weather agricultural monitoring.

Brief

AgriCPS develops AI and geospatial intelligence solutions for agriculture, combining agricultural foundation models, farmer interactions, satellite imagery, Synthetic Aperture Radar (SAR), ground-truth data and predictive analytics. Its platform is designed to address crop-health monitoring, pest diagnosis, agricultural price intelligence, field verification and risk assessment. The company also develops institutional solutions for lenders, insurers, agribusinesses, government agencies and carbon/ESG programmes.

Use Cases

- AI-based crop and pest diagnosis through the AriOli platform and vernacular voice interactions.
- All-weather crop monitoring and field verification using SAR, satellite imagery and ground-truth data.
- Agricultural risk and price intelligence for farmers, lenders, insurers and agribusinesses.

Tech Domain	Fund Raised
Agri Tech	25.5L +$150K (Azure grant)
TRL Stage	**Startup Stage**
TRL 6	Pilot

Product

AgriCPS is an AI-powered agricultural intelligence platform combining AgriGenAI, satellite data, SAR sensing and field-level ground truth to help farmers and institutions monitor crops, assess risks and make better agricultural decisions.

- **AriOli:** Provides AI-powered crop and pest intelligence through WhatsApp and vernacular voice interactions, enabling farmers to access agricultural advice without installing a complex application.
- **SAR Crop Intelligence:** Uses all-weather radar imagery with AI and ground-truth data to monitor crop conditions, soil moisture, flooding and land-use changes even when optical satellite imagery is blocked by clouds.
- **Institutional Intelligence:** Provides field-level evidence and analytics for agricultural lending, crop insurance, agribusiness supply chains, government monitoring and carbon/ESG verification.

Competitive Advantage

- Combines AI with satellite and ground-level agricultural data, creating a connected intelligence layer rather than relying on a single data source.
- All-weather SAR capability enables field monitoring during cloud cover and low-visibility periods when conventional optical satellite imagery may be unavailable.
- Farmer-facing and enterprise applications on the same platform allow AgriCPS to address both direct agricultural advisory and institutional risk-management requirements.
- Strong research and technology ecosystem includes TNAU, iTNT Hub, IIT Madras, C-DOT, NVIDIA, Microsoft and the National Quantum Mission, supporting continued development of its AI and geospatial technology stack.

Product Image



Intrust Innovation Labs

Founded in	Location	Employees
2024	**Chennai**	**5**

Team



Dr. U. Noorul Hussain
Founder & CEO

Leads Intrust Innovation Labs, focusing on deep-tech cybersecurity, post-quantum cryptography, AI security and development of indigenous cryptographic technologies.



Dr. M. Rajarajan
CRTO

A cybersecurity technologist with 25+ years of experience across research, government and commercial projects, specializing in cloud security, data privacy, network security and quantum security, with a focus on translating research into commercial ventures and developing the next generation of cybersecurity professionals.

www.intrustlabs.in

info@intrustlabs.in

INTRUST INNOVATION LABS
INNOVATE INVENT IMPACT

Post-quantum and AI-powered cybersecurity solutions for digital resilience

Brief

Intrust Innovation Labs is a deep-tech cybersecurity company developing post-quantum cryptography, cryptographic risk management and AI-driven security solutions to help enterprises protect data, infrastructure and digital identities against current and future cyber threats.

Use Cases

- Quantum-readiness assessment and cryptographic risk management.
- AI-powered threat detection and security operations.
- Quantum-safe protection for critical infrastructure and enterprises.

Tech Domain	Fund Raised
Cybersecurity	Not Disclosed
TRL Stage	**Startup Stage**
TRL 7	Revenue

Product

Intrust Innovation Labs develops quantum-safe cybersecurity and AI security products for enterprise, government and critical infrastructure environments.

- I-PQRiskGuard™: Assesses post-quantum risks and provides visibility into enterprise cryptographic assets.
- I-CAP™: Enables cryptographic agility and migration toward quantum-safe algorithms.
- I-PQSign™: Provides post-quantum digital signatures for secure authentication and digital trust.
- I-PQSmartOT™ & I-PQZN™: Protect industrial/operational technology and implement quantum-safe Zero Trust architectures.

Competitive Advantage

- Combines post-quantum cryptography with AI-driven cybersecurity.
- Provides end-to-end capabilities from quantum-risk assessment to migration and protection.
- Focuses on critical sectors including BFSI, government, healthcare, manufacturing and energy.
- Develops proprietary cryptographic technologies backed by an R&D ecosystem at IIT Madras.

Quantelle

Founded in	Location	Employees
2024	**Chennai**	**4**

Team



Venugopal V
Founder & CEO

working on quantum-resistant cryptography and cybersecurity solutions. He brings expertise in electronics, technology research and post-quantum security to the company's development of next-generation cryptographic solutions.



Sangeeth P
Co-Founder & COO

Contributing to the development of quantum-resistant cryptography and cybersecurity technologies. He has a background in Electronics and Communication Engineering and has also conducted workshops on quantum computing, covering areas such as qubits, quantum entanglement and quantum algorithms.

www.quantelleenterpises.com info@www.quantelle.com

Quantum-resistant cryptography for long-term digital data security.

Brief

Quantelle focuses on developing quantum-resistant cybersecurity technologies that can protect long-lived sensitive information against emerging quantum-computing threats. Its research combines post-quantum cryptography, quantum computing and hybrid architectures for long-term data protection.

Use Cases

- Protecting sensitive enterprise data against future quantum attacks.
- Quantum-resistant security for government and defence systems.
- Long-term encryption for finance, healthcare and cloud infrastructure.

Tech Domain	Fund Raised
Quantum	Not Disclosed
TRL Stage	**Startup Stage**
TRL 3	Prototype

Product

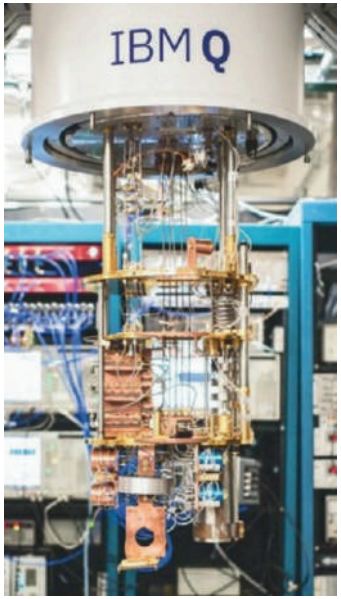
Quantelle develops quantum-resistant cryptographic technologies designed to protect sensitive information against emerging quantum-computing threats. Its research focuses on developing cryptographic approaches that can provide long-term security for critical digital infrastructure.

- **QuantIatChaHo:** Hybrid post-quantum cryptographic algorithm designed for quantum resistance.
- **Quantum Security:** Protects sensitive data against future quantum attacks.
- **Secure Communications:** Enables quantum-resistant encryption for critical communication systems.

Competitive Advantage

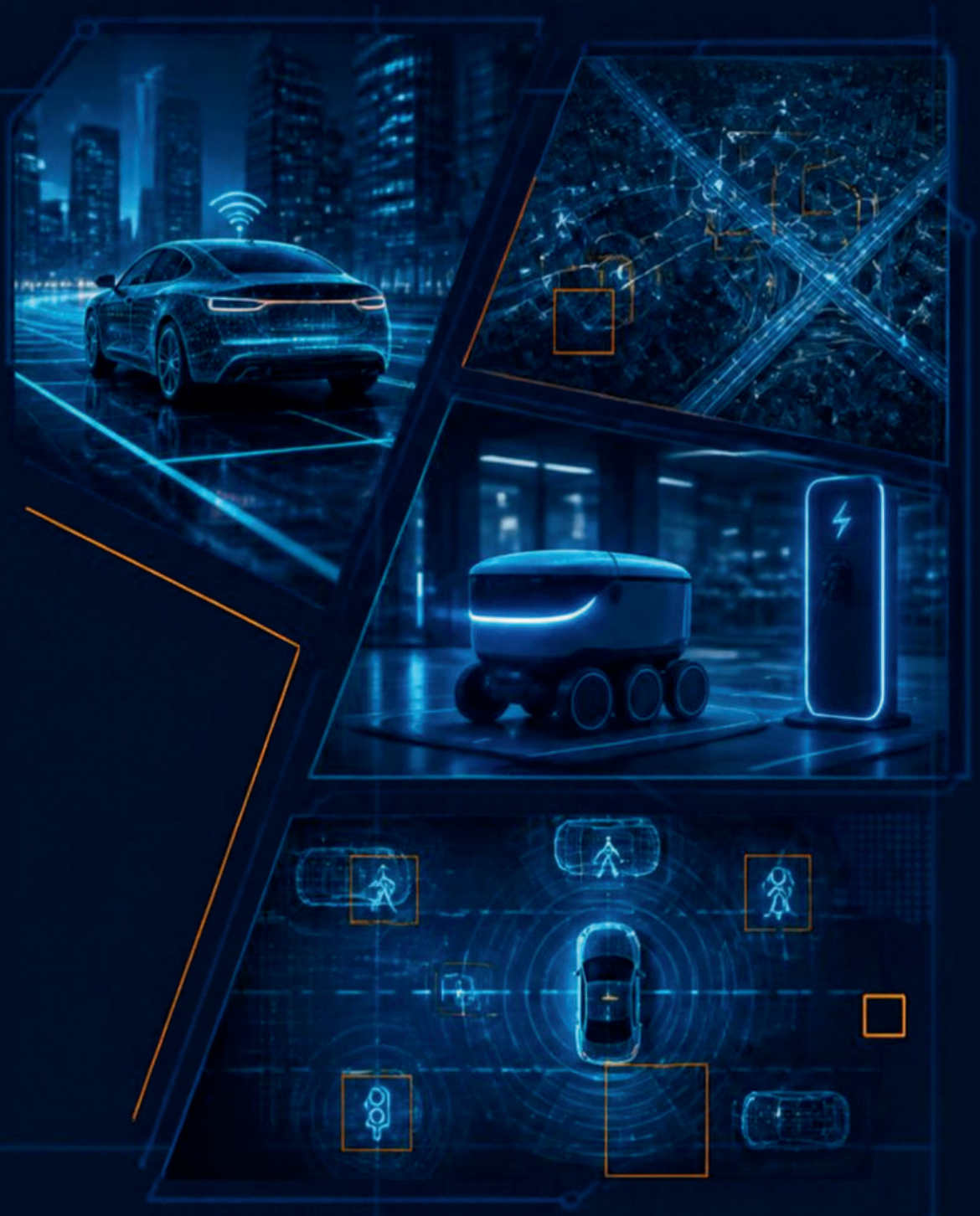
- Focuses specifically on developing quantum-resistant cryptographic technologies.
- Explores hybrid approaches to strengthen protection against quantum attacks.
- Targets long-term security of sensitive and critical digital information.
- Focuses on applications where conventional encryption may face future quantum risks.

Product Image



iTNT
TAMILNADU TECHNOLOGY HUB

MOBILITY



Torus Robotics

Founded in	Location	Employees
2024	**Chennai**	**20**

Team



Vignesh Manimaran
Founder & Director

Mechatronics engineer and entrepreneur with experience in robotics, electric mobility and product development, Vignesh co-founded Torus to build indigenous electric powertrain and autonomous vehicle technologies.



Abbhi Vignesh
Co-Founder & CTOr

Mechatronics engineer and technology leader responsible for Torus' technical and R&D direction, with expertise in robotics, electric motors, autonomous systems and powertrain engineering.

www.torusrobotics.com

info@torusrobotics.com

TORUS
ROBOTICS

Indigenous electric powertrain and motor solutions for EVs, robotics and industrial mobility.

Brief

Torus Robotics develops electric mobility and powertrain technologies including axial-flux motors, intelligent motor controllers and integrated drivetrain systems. Its solutions combine high power density, energy efficiency, advanced motor-control algorithms and IoT connectivity for electric vehicles, autonomous platforms, industrial machinery, material-handling systems and defence robotics.

Use Cases

- **Electric Vehicles:** Motors and powertrains for electric two-wheelers, three-wheelers and utility vehicles.
- **Industrial Vehicles:** Electric drive systems for AGVs, forklifts, tow tugs and other industrial equipment.
- **Robotics & Defence:** Electric powertrains for autonomous robots, UGVs and specialised defence vehicles.

Tech Domain	Fund Raised
Electric Mobility	US$470,000
TRL Stage	**Startup Stage**
TRL 8	Revenue

Product

Torus develops compact and high-efficiency electric powertrain solutions using axial-flux motors, intelligent motor controllers and integrated drivetrain systems.

- **Axial-Flux Motors:** High power-density motors designed for EVs, industrial vehicles and autonomous platforms.
- **Intelligent Controllers:** Motor controllers supporting precise motor control, regenerative braking, CAN communication and IoT connectivity.
- **Integrated Powertrains:** Combines motors, controllers and drivetrain components for easier integration into electric vehicles and machinery.

Clients

Competitive Advantage

- Indigenous axial-flux motor technology with high power density and compact form factor.
- Integrated motor, controller and gearbox solutions reducing vehicle integration complexity.
- Intelligent TESC controllers supporting CAN, OTA, IoT and advanced motor-control algorithms.
- Cross-sector technology platform applicable to EVs, robotics, industrial equipment and defence vehicles.

Product Image





Wrox AI

Founded in	Location	Employees
2022	**Coimbatore**	**3**

Team



Kailash S
Founder & CEO

Mechatronics engineer and entrepreneur focused on autonomous systems, robotics and marine technology, leading WROXAI's development of AI-driven autonomous watercraft and maritime navigation solutions.



Rajasekar Shankar
Co-Founder & COO

Co-founder and technology entrepreneur involved in WROXAI's early product development, business operations and execution of autonomous mobility and marine technology initiatives.

www.wroxai.com

connect@wroxai.co.in

WROXAI

Autonomous electric watercraft and marine navigation systems.

Brief

WROXAI is a deep-tech startup developing autonomous maritime systems, combining artificial intelligence, robotics, electric propulsion and multi-sensor perception to enable safer and more efficient water transportation. Its technology is currently demonstrated through IONX4, an autonomous electric personal watercraft, and AI PILOT, its autonomous navigation system designed to navigate, detect obstacles and dock with minimal human intervention. The company is also working toward applications in tourism, transportation, maritime security and defence.

Use Cases

- Autonomous tourism and leisure boating with electric, driverless watercraft.
- Autonomous maritime transportation through retrofit navigation systems for existing vessels.
- Unmanned surface vessels for defence and surveillance using autonomous navigation and sensing technologies.

Tech Domain	Fund Raised
Mobility	INR 40L
TRL Stage	**Startup Stage**
TRL 6	Pilot

Product

WROXAI develops autonomous marine technology combining electric propulsion, AI-based navigation and multi-sensor perception. Its flagship IONX4 demonstrates the company's technology in an autonomous electric personal watercraft, while AI PILOT is designed as a navigation system that can be integrated into different types of vessels.

- **IONX4 Autonomous Watercraft**: Fully electric autonomous personal watercraft designed for tourism and leisure applications, accommodating up to three people and offering around six hours of operation on a charge.

- **AI PILOT:** Autonomous navigation system using LiDAR, cameras, GPS, IMU and potentially radar to enable navigation, obstacle avoidance and autonomous docking.

- **Marine Autonomy Platform:** Technology intended to be retrofitted into yachts, cruise boats, ferries and other vessels, with future applications in autonomous surface vessels and maritime defence.

Competitive Advantage

- Integrated autonomous navigation stack combines AI, sensor fusion, perception and decision-making to enable autonomous navigation, obstacle avoidance and docking.

- Electric and autonomous technology integration allows WROXAI to address both marine sustainability and automation through a single platform.

- Retrofit potential of AI PILOT allows autonomous-navigation technology to be applied to existing yachts, ferries, cruise boats and other watercraft rather than requiring entirely new vessels.

Product Image



Daijo

Founded in	Location	Employees
2019	**Chennai**	**15**

Team



Shivashankar
Founder & CEO

Bringing 35+ years of cross-industry leadership across metallurgy, automotive technology, IoT, and renewable energy, drives Daijo's mission to build India's first fully connected e-cycle brand.

www.pedaleze.com

sales@pedaleze.com

Electrifying India with patented e-bikes built for sustainable mobility across both urban and rural landscapes.

Brief

Daijo is a Chennai-based sustainable mobility startup developing Pedaleze, connected electric bicycles designed for affordable and eco-friendly urban transportation. Its e-bikes combine proprietary Smart Drive technology, connected intelligence and robust designs to improve riding efficiency and user experience. The company also develops electric mobility solutions for load-carrying and commercial applications.

Use Cases

- **Delivery & Fleet Logistics :**E-bikes for last-mile and rural delivery.
- **Student & Commuter Mobility:** Everyday urban commuting.
- **Enterprise & Hospitality :**Tracked fleets for guest and staff use.

Tech Domain	Fund Raised
Mobility	INR 2 Cr
TRL Stage	**Startup Stage**
TRL 9	Growth

Product

Daijo's PEDALEZE is a connected e-bike brand powered by proprietary powertrain and AI controller technology, with RIDEEZE fleet tracking for commuting, delivery, and enterprise mobility.

- **Pedaleze Town & Country:** Patented frame design and controller technology, steel-frame commuter e-cycle with 35–50 km range.
- **Pedaleze H2 / O2:** Mid-drive, torque-and-cadence e-bikes delivering 70 km range with premium components and no-throttle pure-pedal power.
- **Ranger-Retro:** Fat-tire e-moped with dual battery system, 60–70 km range

Clients

RADISSON HOTELS DAIMLER TRUCK JUST BUY CYCLES

Competitive Advantage

- Patented technology across battery, drive, and frame design.
- Proven traction with enterprise pilots at Radisson Blu and Daimler Trucks.
- Broad product range covering commuter to premium e-bikes.
- Wide distribution through OEMs, dealers, and direct sales.

Product Image





iTNT
TAMILNADU TECHNOLOGY HUB

ROBOTICS & INDUSTRIAL AUTOMATION



GOAT Robotics

Founded in	Location	Employees
2023	**Coimbatore**	**32**

Team



Muthu Vangaliappan
Co-Founder & CEO

Robotics entrepreneur and product leader focused on building indigenous autonomous mobile robots and industrial automation systems for manufacturing, material handling and smart-factory applications.



Naveen Sakthivel
Co-Founder & CTO

Robotics and technology leader driving GOAT Robotics' autonomous navigation, embedded systems, software architecture and development of scalable industrial mobile-robot platforms.

www.goat-robotics.com

sales@goat-robotics.com

Autonomous mobile robots for industrial material movement and factory logistics

Brief

GOAT Robotics develops autonomous mobile robots and intelligent factory-automation systems for material movement, intralogistics and production-line operations. Its solutions combine autonomous navigation, fleet management and enterprise-system integration to automate repetitive material handling across manufacturing, warehouses and industrial facilities.

Use Cases

- **Factory Material Movement:** Autonomous transport of components, bins, pallets and WIP across shop floors.
- **Warehouse & Intralogistics:** Automated movement between storage, picking, production and dispatch areas.
- **Heavy Load & Tow Operations:** Autonomous handling and towing of heavy loads, carts and trailers.

Tech Domain	Fund Raised
Industrial Robotics	₹2.66 Cr
TRL Stage	**Startup Stage**
TRL 9	Growth

Product

GOAT Robotics develops autonomous mobile robots (AMRs) for automated material movement and factory logistics.

- **GT/GTX Series:** AMRs for transporting components, bins and heavy loads across manufacturing facilities.
- **GT-XP:** Autonomous pallet-handling robot for pickup and movement of pallets.
- **GT-XT:** Autonomous towing robot for carts, trailers and industrial loads.
- **GT Studio:** Fleet-management platform for task allocation, monitoring and enterprise integration.

Clients

MARUTI SUZUKI · Nilkamal · TOYOTA · JK Fenner

Competitive Advantage

- 1. Infrastructure-free SLAM navigation enabling deployment without fixed tracks or markers.
- Broad AMR portfolio covering light loads, pallets, heavy loads and towing applications.
- Modular hardware and software architecture supporting customized industrial workflows.
- GT Studio enables centralized fleet management and integration with ERP, MES, WMS and PLC systems

Product Image





Vividobots

Founded in	Location	Employees
2021	**Chennai**	**10+**

Team



Dhinesh B
Co-Founder & CEO

Post-graduate engineer specializing in Planning and Execution, prior experience at Flipkart; founded Vividobots after witnessing a high-rise painter's fatal fall, driving the company's mission to make building maintenance safer.



Velmurugan B
Co-Founder & COO/CPO

Post-graduate engineer in Electrical and Electronics; prior experience at Flex; leads product and operations for Vividobots' robotic platforms.

www.vividobots.com

vividobots@gmail.com

VIVIDOBOTS PVT LTD
AUTOMATING THINGS WITH BRILLIANT ROBOTS

India's first weather-resistant robot built for safe vertical operations

Brief

Vividobots is a Chennai-based robotics company developing intelligent automation solutions for construction and building maintenance. Its robotic systems, including Wiperque and Vibrantque-XT, automate high-rise façade cleaning and exterior painting, improving worker safety, operational efficiency and productivity while reducing dependence on hazardous manual work.

Use Cases

- **Exterior Painting:** Automated multi-axis robotic painting for high-rise building façades.
- **Facade Cleaning:** Weather-resistant robotic window and wall cleaning at height.
- **Inspection & Maintenance:** AI-based crack, depth and gap detection for building upkeep.

Tech Domain	Fund Raised
Robotics	INR 1.47 Cr
TRL Stage	**Startup Stage**
TRL 6	Early Revenue

Product

Vividobots develops a modular robotics stack, vividMOV (motion), vividOS (vision & software), and vividDO (action/application), powering its two flagship platforms:

Vibrantque-XT
Exterior painting robot; carries a 40-litre paint canister, supports multicolour painting in a single session, fitted with a robotic arm for building projections and window edges; compact (3-5m, ~300kg), operates 24x7, refills after 2,000 sq.ft

Wiperque
Automated façade cleaning robot for glass and wall surfaces

Custom Panel Designs
Multiple geometric forms and patterns enable flexible aesthetic applications across different interior spaces.

Clients

BRIGADE

KALPA-TARU

GMR

Competitive Advantage

- Compact multi-axis robots for interior and exterior painting and glass-facade cleaning.
- Easier hose cleaning, reduced paint wastage and compatibility across different building types.
- Patent filed for multi-axis robotic painting and facade cleaning, with trademarks for Vividobots and Vibrantque.
- Supported by StartupTN, DST NIDHI, EDII-TN, iTNT Hub, Brigade REAP and T-Hub, and recognized by Mahindra LEAP 2023.

Product Image





Xera Robotics

Founded in	Location	Employees
2019	**Chennai**	**15+**

Team



Mohana Krishnan
Co-Founder & CEO

Former Engineer at Caterpillar; Masters in Engineering Management, Masters in Manufacturing Technology, Bachelors in Mechanical Engineering



Muni Venkata Krishna
Co-Founder & CTO

Former Techie at Infosys; Masters in Engineering Management, Masters in Manufacturing Technology, Bachelors in Mechanical Engineering

www.xerarobotics.com mohan.krishnan@xerarobotics.com

XERA ROBOTICS

Remotely Operated Marine Robot (ROMAR) for underwater inspection and AI-based image analytics

Brief

Xera Robotics is a Chennai-based marine robotics startup developing underwater remotely operated vehicles and electric propulsion systems. Its solutions enable safe inspection of underwater assets such as ships, dams and pipelines while supporting sustainable, low-emission marine mobility.

Use Cases

- **Underwater Inspection & Infrastructure Maintenance:** Modular ROV-based inspection for bridges, ports, shipyards and offshore/energy infrastructure.
- **Defence, Salvage & First Response:** Underwater reconnaissance, wreck diving, and salvage operations, demoed to Indian Defence.
- **Aquaculture & Environmental Monitoring:** AI-powered object detection and sediment-free imaging for environment, science and aquaculture use.

Tech Domain	Fund Raised
Marine Robotics / ROV	INR 2 CR
TRL Stage	**Startup Stage**
TRL 7	Revenue

Product

Xera Robotics develops the DeepDive ROMAR, integrating marine robotics, AI-based image analytics, and modular hardware for underwater inspection, exploration and defence applications.

DeepDive ROV

300m depth-rated, 8-thruster (6DoF), 4K camera, 8,800-lumen lighting, 6-hour endurance, 5kg payload — India's first 300m-rated underwater ROV built by a startup

See-Thru AI Technology

Proprietary image analytics for sediment removal, foreign object detection, and real-time alerts

Electric Boat Propulsion

Eco-friendly outboard motor system, 10x lower operating cost than IC engines

Clients

zensys Technologies

HCL

PCI Gases

Competitive Advantage

- Best-in-class specs vs. named competitors (Eye ROV, Planys, Blue Robotics, Gladius Mini, Deep Trekker, QySea) on depth, payload, lighting, endurance and thruster count — and the only one offering customization
- Proprietary AI "See-Thru" image analytics, unmatched by listed competitors
- Cost disruption: 1 DeepDive replaces a $85,000 diver salary + $25,000 in dive equipment
- Backing from iTNT Hub, IIT Madras, StartupTN, and Ministry of Electronics & IT

Product Image



Imrobonix

Founded in	Location	Employees
2020	**Chennai**	**5+**

Team



Iyyapan M
Founder & CTO

Robotics engineer and PhD holder in Medical Robotics who founded IMRobonix after identifying limitations in conventional minimally invasive surgical instruments.

imrobonix.com

info@imrobonix.com

Handheld robotic systems for minimally invasive surgery.

Brief

IMRobonix is a MedTech robotics company developing compact, precision robotic systems for minimally invasive surgery. Its flagship SurgiKot is a handheld robotic surgical device designed to combine the familiarity of conventional laparoscopic instruments with robotic precision, improved ergonomics and controlled instrument movement. The company is focused on making surgical robotics more accessible and affordable for hospitals and surgeons.

Use Cases

- Precision manipulation during minimally invasive surgery.
- Improved surgeon ergonomics and instrument control.
- Affordable robotic assistance for laparoscopic procedures.

Tech Domain	Fund Raised
MedTech	INR 13L
TRL Stage	**Startup Stage**
TRL 6	Pilot

Product

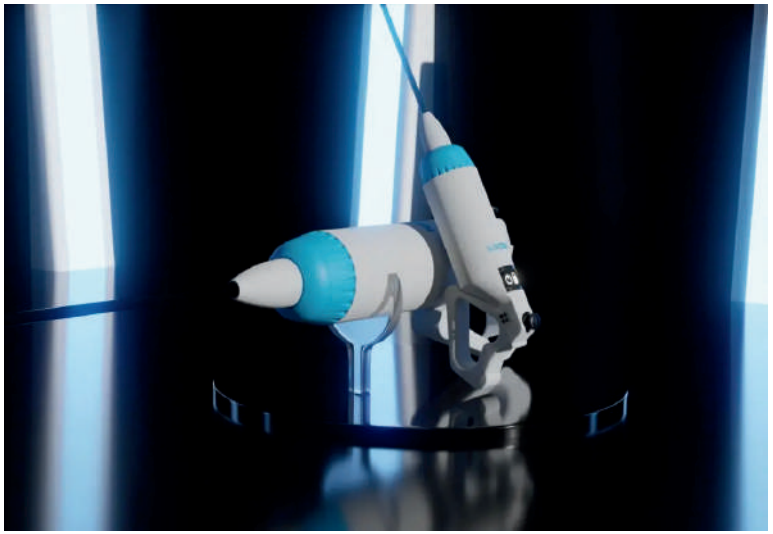
SurgiKot is a handheld robotic surgical device designed for minimally invasive procedures, combining robotic precision with the familiar form factor of laparoscopic instruments.

- Robotic Surgical Handpiece: Provides thumb-controlled manipulation for precise surgical movements.
- Precision Instrument Control: Improves control over gripping and instrument movement during minimally invasive procedures.
- Affordable Surgical Robotics: Designed as a compact alternative to larger and significantly more expensive robotic surgical systems.

Competitive Advantage

- Compact handheld form factor makes robotic assistance more accessible than large conventional surgical robots.
- Thumb-controlled operation is designed around natural surgeon hand movements and familiar laparoscopic workflows.
- Combines precision robotics, mechanical engineering and surgical requirements in a single device.
- Developed specifically for minimally invasive surgery with a focus on affordability and accessibility.

Product Image



iTNT
TAMILNADU TECHNOLOGY HUB

CLEAN TECH & SUSTAINABILTY







Carbon Loops

Founded in	Location	Employees
2014	**Chennai**	**45**

Team



Mathews Cherickal
Co-Founder & CEO

Clean energy entrepreneur witha decade of experience inwaste-to-energy projects



Kern Luke Agarwal
Director

Operations and projectexecution specialist inmunicipal waste solutions

carbonloops

Turning municipal organic waste into clean energy - Bio CNG, electricity, and manure at city scale

Brief

Carbon Loops aims to build resilient, circular cities by converting municipal organic waste into Bio CNG, electricity, and organic manure through decentralized waste-to-energy infrastructure. With over a decade of operational experience, the company delivers scalable, regulation-compliant solutions that help cities eliminate landfill dumping, reduce greenhouse gas emissions, and unlock clean energy from everyday urban waste streams.

Use Cases

- Decentralized wet-waste processing for city zones & wards
- Zero-waste-to-landfill solutions for bulk waste generators
- Bio CNG generation for municipal vehicle fleets
- Waste-to-electricity for public lighting & facilities
- Reduction of methane emissions from open dumping

www.carbonloops.com
info@carbonloops.com

Tech Domain	Fund Raised
Clean Energy	10 Lakhs (Grant)
TRL Stage	**Startup Stage**
TRL 9	Growth

Product

Carbon Loops converts municipal food and organic waste into clean energy and organic manure through decentralized waste-to-energy systems.

- **Anaerobic Digestion:** Processes segregated organic waste in controlled digesters to generate biogas and nutrient-rich organic manure.
- **Biogas Upgradation:** Upgrades biogas into BioCNG or converts it into electricity based on energy requirements.
- **Modular Deployment:** Decentralized plants support capacities from 2–10 MT/day, enabling processing of wet waste closer to its source.

Clients

ZOHO

mahindra World City Chennai

Sivagangai & kodaikanal Municipal Corporation

Competitive Advantage

- **Proven, Long-Term Operations:** India's first and longest-operating foodwaste–to–Bio CNG plant, with commercial operations running since 2014 across multiple sites
- **Decentralized, Modular Infrastructure:** Plant designs ranging from 2MT/day to 10 MT/day enable ward-level deployment, bulk wasteprocessing, and phased city-wide scale-up
- **End-to-End Execution Capability:** In-house capability across design,construction, commissioning, and operations ensures reliability, uptime,and compliance for municipal deployments

Product Image



Scrapify Ecotech

Founded in	Location	Employees
2022	**Chennai**	**10**

Team



Azhagu Pandia Raja
Founder & CEO

Technology entrepreneur with experience in IT, smart-city initiatives and urban innovation, focused on developing technology-driven solutions for environmental restoration, waste management and sustainable cities.

www.scrapifyecotech.in

info@scrapifyecotech.in

AI-driven autonomous water remediation platform enabling efficient, zero-emission cleaning of polluted water bodies at scale

Brief

Scrapify Ecotech develops climate-tech solutions combining autonomous robotics, IoT, AI and environmental technologies to address water pollution, floating waste, algal growth and inefficient waste management. Its solutions enable automated waterbody cleaning, environmental monitoring and digital waste recovery for municipalities, industries and urban communities.

Use Cases

- **Waterbody Cleaning:** Autonomous removal of floating waste, oil and invasive vegetation.
- **Water Quality Management:** Monitoring and control of algae and water pollution.
- **Digital Waste Management:** Digital collection, trading and recycling of segregated waste.

Tech Domain	Fund Raised
ClimateTech	15 Lakhs
TRL Stage	**Startup Stage**
TRL 7	Revenue

Product

Scrapify Ecotech develops autonomous and digital solutions for waterbody restoration and waste management.

• **EcoFloater:** Autonomous water-cleaning drone for removing floating plastic, oil, water hyacinth and other pollutants, with environmental monitoring capabilities.

• **Algae Control Bot:** Uses UV and ultrasonic technologies to control harmful algal growth and improve water quality.

• **Scrapify.ai:** Digital waste-management platform connecting waste generators with collectors for efficient waste recovery and recycling.

Clients

Competitive Advantage

- Autonomous robotic approach to waterbody cleaning.
- Combines waste removal with environmental monitoring.
- Multi-functional solutions addressing waste, oil spills, invasive species and algae.
- Integrated physical robotics with digital circular-waste management.

Product Image



Demo Video

Suzhiyam Industrial machines

Founded in	Location	Employees
2018	Madurai	6

Team



Ananda Rajeshwaran
Co-Founder & CEO

MBA in Operations Research;serial entrepreneur; ITautomation experience (PayPal); co-founder leadingbusiness and investor outreach



Vivekanandan
Co-Founder & CTO

Mechanical/Aerospaceengineer (IIT Madras); formerGE combustion engineer;Director & Product Architect atSuzhiyam

Driving Industrial Decarbonization through Advanced Waste-to-Energy Combustion Technologies

Brief

Suzhiyam Industrial Machines's flagship product EnerPell, provides aviable import substitute for fossil fuel like Natural gas, LPG, Diesel,Coal.

EnerpELL's patented technology converts municipal solid waste intoefficient fuel pellets, catering to diverse industrial segments such asfood processing, Pharma, fertilizers, Textiles, Paper, cement, iron, andsteel. Industries save 15% - 40% on fuel cost by replacing Fossil fuel withcarbon neutral RDF Pellet.

Use Cases

- Decentralized waste-to-energy for smart cities
- Decentralized energy units for MSME factories
- Biomass-fired boilers for process steam generation

www.eesan.in

yes@eesan.in

Tech Domain	Fund Raised
Clean Tech	Not Publicly Disclosed
TRL Stage	**Startup Stage**
TRL 8	Revenue

Product

EnerpELL combines industrial-grade pellet burners (120 kW–10 MW) with patented RDF-to-pellet conversion technology to enable industries to replace fossil fuels with sustainable alternative fuels.

- **Pellet Burners:** High-capacity burners for efficient biomass and alternative-fuel combustion.
- **RDF Conversion:** Converts municipal solid waste into industrial fuel pellets.
- **Sludge Conversion:** Technology can also process sewage and ETP sludge into usable fuel

Clients

ANSH INFRATECH

LAKSHMI PLASTO

Competitive Advantage

- **Proprietary Technology:** Friction Washer & Thermal Pelletizer tailored forIndian waste realities.
- **Cost & Efficiency Edge:** EnerPell fuel is 8% cheaper than coal; 1 kgreplaces 1.3 kg coal.
- **Sustainable & Compliant:** 40% lower emissions, negligible SOx/NOx,European CEN 343 certified.
- **Proven Impact:** Reduces fuel use by 15%, manpower by 90%, withpayback in 12–14 months

Product Image



ResEnvi

Founded in	Location	Employees
2025	**Chennai**	**3**

Team



Harish Kumar K
Founder & CEO

PhD researcher and deeptech builder from Anna University, Chennai, focusing on advanced materials science, indigenous emission control, and thermal management solutions.



Sheela K
Co-Founder & COO

Managing capital governance, statutory compliance, and fund utilization strategy with over 30 years of experience in financial management.

resenvitechlabs.com

info@resenvitechlabs.com

ResEnvi
TECHNOLOGIES AND
LABORATORIES PVT LTD

Advanced materials and clean technologies for sustainable industrial applications.

Brief

ResEnvi develops advanced material and environmental technologies aimed at addressing industrial sustainability challenges. Its work includes pollutant filtration systems targeting particulate and gaseous emissions and engineered heat-transfer nanofluids designed to improve cooling and thermal-management performance in engines, electronics and energy systems.

Use Cases

- Automotive and industrial exhaust emission control.
- Thermal management for engines and electronic systems.
- Advanced material solutions for sustainable industrial applications.

Tech Domain	Fund Raised
Nanotechnology	Not Disclosed
TRL Stage	**Startup Stage**
TRL 3	Prototype

Product

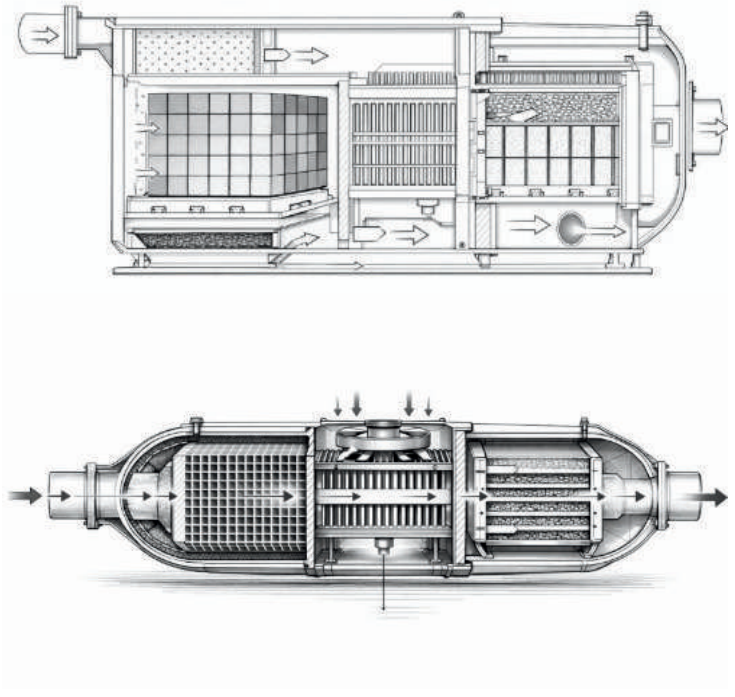
ResEnvi Technologies develops advanced material solutions focused on improving industrial sustainability and environmental performance. Its work includes thermal-management technologies and emission-control solutions designed for cleaner and more efficient industrial applications.

- **Thermal Fluids:** Develops advanced fluids for improved thermal management.
- **Emission Control:** Works on PGM-free technologies for reducing harmful emissions.
- **Advanced Materials:** Develops sustainable material solutions for industrial applications.

Competitive Advantage

- Uses advanced material science to address industrial sustainability challenges.
- Develops PGM-free approaches for emission-control applications.
- Works on specialised thermal-management materials for industrial systems.
- Focuses on replacing conventional materials or processes with cleaner alternatives.

Product Image (Early Sketch)



Reneonix

Founded in	Location	Employees
2023	**Chennai**	**10+**

Team



Iwan Richard
Founder & CEO

Entrepreneur focused on circular economy and material recovery, leading Reneonix in developing technology-enabled systems that improve glass recycling, traceability and conversion of waste into industrial raw materials.



Karthik Shankar
Co-Founder & COO

Operations leader responsible for scaling Reneonix's recycling infrastructure, coordinating operational execution and supporting deployment of its technology-enabled material recovery systems.

www.reneonix.com

info@reneonix.com

Reneonix

Technology-enabled infrastructure for glass recycling and material circularity.

Brief

Reneonix develops technology-enabled material recovery infrastructure that combines AI-based sorting, IoT-enabled hardware, traceability software and material science to convert post-consumer glass waste into clean, quality-controlled and industry-ready raw materials. Its Recycling Infrastructure as a Service model integrates collection, processing, monitoring and material commercialization.

Use Cases

- Glass Waste Recovery – Collection, sorting and processing of post-consumer glass into high-quality cullet.
- Industrial Raw Materials – Conversion of recycled glass into glass sand, powder, silica and other value-added materials.
- Circular Manufacturing – Traceable recycled materials for glass, construction, filtration and industrial applications.

Tech Domain	Fund Raised
Circular Economy	₹1.7Cr (Pre-Seed)
TRL Stage	**Startup Stage**
TRL 6	Pilot

Product

Reneonix is a smart glass recycling platform that converts post-consumer glass waste into quality-controlled recycled materials for industrial and construction applications.

- **Smart Glass Recycling:** Uses the G-REX V-750 system to crush, process, and track waste glass through IoT-enabled recycling infrastructure.
- **Recycled Material Production:** Produces standardized glass cullets, glass sand, and fine glass powder for applications in abrasives, filtration, water treatment, and construction
- **Advanced Material Recovery:** Develops high-purity silica and EcoPozz from recycled glass, supporting sustainable material substitution and circular economy applications.

Clients

Pernod Ricard India

CECRI Sustainability Through Electrochemistry

Competitive Advantage

- Unified Deeptech Platform: Combines modular sorting hardware, tracking software, and material science into one closed-loop system.
- AI-Driven Automated Sorting: Replaces slow manual separation with rapid, high-accuracy computer vision and sorting technology.
- Granular Product Traceability: Uses laser-etched QR codes to provide brands with precise material tracking data.
- Built-in Compliance Dashboards: Offers automated, audit-ready data tracking to meet strict Extended Producer Responsibility laws.

Product Image





Setler Ecopolymer

Founded in	Location	Employees
2023	**Chennai**	**4+**

Team



Senthilkumar L
Founder & CEO

focused on developing sustainable polymer solutions by converting post-consumer plastic waste into high-performance resins and circular industrial materials. His work spans polymer innovation, recycling, sustainable manufacturing and commercialisation of eco-friendly material technologies.

setlerecopolymer.com

setlersynthetics@gmail.com

Sustainable thermoset resins made from post-consumer waste.

Brief

Setler EcoPolymer is developing circular polymer technologies that convert post-consumer plastic waste into high-performance industrial materials. Its primary focus is sustainable thermoset polyester resins made using recycled PET, with applications being explored in construction, marine and fire-retardant composite systems.

Use Cases

- Production of sustainable thermoset resins using recycled PET.
- Sustainable composite materials for construction and marine applications.
- Recovery and utilisation of difficult plastic waste streams.

Tech Domain	Fund Raised
Sustainability	INR 10 lakh
TRL Stage	**Startup Stage**
TRL 5	Pilot

Product

Setler EcoPolymer develops sustainable polymer materials by converting post-consumer waste into high-performance thermoset resins. Its technology aims to reduce dependence on virgin petrochemical materials while creating alternatives for industrial composite applications.

- **EcoPolymer Resins:** Produces thermoset polyester resins incorporating recycled materials.
- **Sustainable Composites:** Targets construction, marine and industrial composite applications.
- **Circular Materials:** Converts waste streams into useful, higher-value polymer products.

Competitive Advantage

- Converts post-consumer waste into value-added polymer materials.
- Develops sustainable thermoset resins for industrial composite applications.
- Reduces dependence on virgin petrochemical feedstocks through recycled inputs.
- Combines circular-economy principles with performance-focused polymer engineering.

Product Image



Refab Materials

Founded in	Location	Employees
2025	**Chennai**	**2**

Team



Vinit Jain
Co-Founder

a mechanical engineer with 3+ years of climate-tech experience across the UAE, USA and India, with exposure to project management, process development and textile-industry practices. He leads business development and fundraising at Refab Materials. He holds an M.EngSt. in Mechanical Engineering from the University of Auckland.



Pranav Nair
Co-Founder

an R&D engineer with 4+ years of experience in hardware manufacturing and sustainability-focused environments in New Zealand and India. He has expertise in applied material research, product development and quality-control protocols and leads R&D and technical operations. He holds an M.S. in Mechanical Engineering from the University of Southern California.

www.refabmaterials.com

refabmaterials@gmail.com

REFAB MATERIALS

Transforming Textile Waste into High-Performance Interior Materials

Brief

ReFab is an early-stage sustainability venture exploring upcycled textile-based interior materials for wall cladding and architectural décor applications. The venture is currently in the concept validation and MVP development phase, aiming to convert post-consumer and industrial textile waste into functional, aesthetic interior panels

Use Cases

- Sustainable interior wall panels for residential and commercial spaces.
- Eco-friendly interior solutions for hotels, offices and real estate projects.
- Custom architectural surfaces with multiple geometric forms and wall patterns.

Tech Domain	Fund Raised
Circular Economy	NA
TRL Stage	**Startup Stage**
TRL 4	Prototype

Product

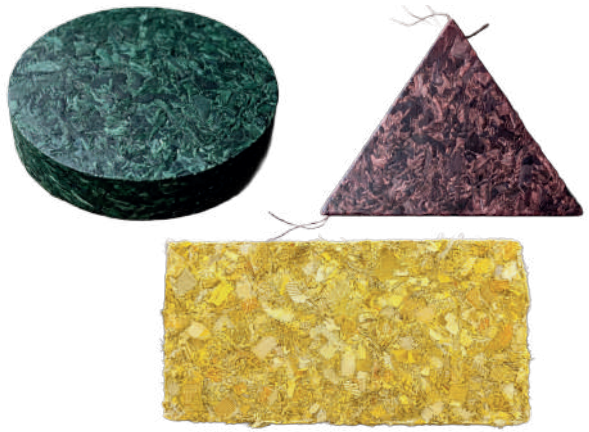
Refab Materials develops Refab Eco Panels, sustainable architectural wall panels manufactured by converting textile waste into lightweight, durable and aesthetically customisable interior materials.

- **Refab Eco Panels:** Architectural wall panels made primarily from shredded textile waste fibres, designed for interior and architectural applications.
- **Multi-Phase Ecological Binder:** A low-VOC, bio-derived binder matrix combining polysaccharide, protein, mineral and hydrophobic networks to provide structural cohesion, strength, fire resistance, mold resistance and water resistance.
- **Textile Waste Upcycling:** Approximately 70% shredded textile waste is combined with approximately 30% ecological binder, replacing conventional material inputs and diverting textile waste from landfills.

Competitive Advantage

- Converts textile waste into high-value architectural materials, reducing landfill dependency and reliance on virgin resources.
- Uses a multi-phase ecological binder combining polysaccharide, protein, mineral and hydrophobic networks without synthetic resins.
- The panels are designed to offer low VOC emissions, thermal resistance, fire resistance, water resistance, mold resistance and lightweight installation.
- Local sourcing near textile hubs such as Tirupur and Coimbatore is projected to provide 5–20% lower supply-chain costs, while the product can support multiple geometric forms and wall designs.

Product Image



Vayujal Technologies

Founded in	Location	Employees
2024	**Chennai**	**12**

Team



Ramesh Kumar
Co-Founder & CEO

Nanotechnology entrepreneur with extensive experience developing drinking-water technologies, Ramesh Kumar Soni co-founded VayuJal to commercialize atmospheric water generation for water-scarce regions.



Thalappil Pradeep
Co-Founder & Director

An Institute Professor at IIT Madras and a renowned nanotechnology researcher, known for developing advanced materials for water purification and environmental applications. He is a co-founder of VayuJal Technologies.

www.vayujal.in

info@vayujal.in

VAYUJAL
WATER FROM AIR, ANYTIME, ANYWHERE

Delivering decentralized, on-site drinking water using atmospheric water technology

Brief

VayuJal develops atmospheric water generators that extract moisture from ambient air and convert it into safe drinking water. Its systems combine energy-efficient condensation, biomimetic nano-engineered surfaces, air filtration, multi-stage water treatment and mineralization for decentralized water generation.

Use Cases

- **Drinking Water Generation:** Decentralized production of potable water from atmospheric moisture.
- **Water Supply for Institutions:** Clean drinking water for schools, hospitals, campuses and workplaces.
- **Remote & Water-Stressed Areas:** Off-grid water generation using atmospheric moisture and solar power.

Tech Domain	Fund Raised
Water Tech	₹1Cr
TRL Stage	**Startup Stage**
TRL 9	Growth Stage

Product

VayuJal develops Atmospheric Water Generators (AWGs) that extract moisture from ambient air and convert it into safe drinking water.

- **Air-to-Water Technology:** Uses controlled condensation and nano-engineered surfaces to efficiently capture atmospheric moisture.
- **Water Purification:** Multi-stage treatment using UV, ozone, membrane and carbon filtration removes contaminants and makes the water potable.
- **Mineralization:** Adds essential minerals such as calcium and magnesium to improve the quality of the generated drinking water.

Clients

Competitive Advantage

- Patented biomimetic and nano-engineered surfaces improve atmospheric moisture condensation.
- Produces drinking water without groundwater or municipal water connections.
- Eight-stage purification and mineralization process designed to meet WHO/BIS drinking-water standards.
- Modular systems from small units to ~3,000 LPD, with potential for solar/off-grid operation.

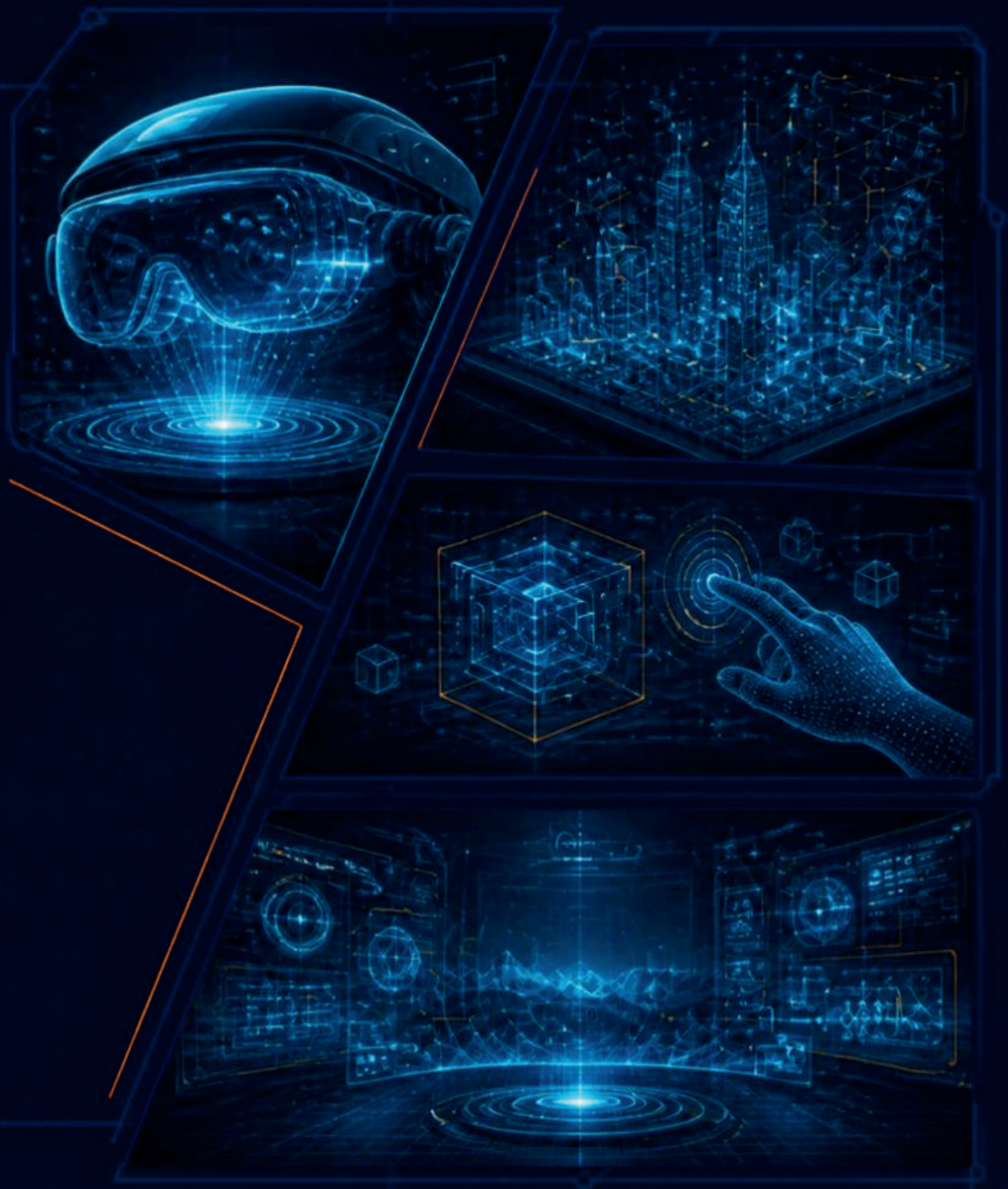
Product Image





iTNT
TAMILNADU TECHNOLOGY HUB

AR/VR/XR



FocuzAR Solutions

Founded in	Location	Employees
2018	Chennai	50+

Team



Arun Prasath
Co-Founder & CEO

With 16+ years of IT industry experience. He leads the development of AR, VR, MR, AI and IoT solutions, including FocuzAR's flagship Xwall phygital gaming platform for education, fitness and skill development



Sankar K
Co-Founder & CTO

Technology leader with 18 years of industrial experience, Sankar K drives FocuzAR's technology development across AR, VR, MR, IoT and emerging immersive technologies.

www.focuzar.com

contact@focuzar.com

Immersive AR, VR, MR and AI solutions for industrial training, remote assistance, visualization and interactive experiences.

Brief

FocuzAR Provides end-to-end capabilities in AR/VR/MR, AI, computer vision and IoT, enabling immersive simulations, interactive training, remote assistance, digital visualization and phygital experiences across industrial and enterprise applications.

Use Cases

- **Immersive Training & Simulation:** AR/VR-based training and industrial simulations.
- **Remote Assistance & Visualization:** AR-enabled remote support and digital visualization.
- **Phygital & Interactive Experiences:** AI-powered interactive learning, gaming and engagement.

Tech Domain	Fund Raised
AR/VR/XR	NA
TRL Stage	**Startup Stage**
TRL 9	Growth

Product

FocuzAR develops immersive technology solutions integrating AR/VR/MR, AI, computer vision, body tracking and IoT.

- **Xwall.io**: AI and computer-vision-powered interactive platform using body tracking for touchless learning, gaming, sports and fitness experiences.
- **Xassist.ai**: AR-based remote assistance platform enabling real-time visual guidance, annotations and expert support for field and industrial operations.
- **Focuz AR Engine:** AR/VR/MR development platform supporting 3D visualization, spatial tracking, simulation and customized immersive applications.

Clients

Competitive Advantage

- Proprietary AR/XR technology stack
- Integrated AI, computer vision and body tracking
- End-to-end hardware, software and immersive-content capabilities
- Applications across industrial, enterprise, education and experiential markets

Product Image





VReon Tech India

Founded in	Location	Employees
2017	**Chennai**	**15+**

Team



Dr. M. Ramasubramani
Founder & CEO

An experienced entrepreneur and former IPS officer, leading VREON's immersive technology initiatives across education, training, digital innovation, and enterprise applications.

Immersive AR/VR solutions for education, training and enterprise applications.

Brief

VREON Tech develops immersive technology solutions using AR, VR and XR to create interactive learning, training, simulation and visualization experiences. Its current flagship product, EdXAR, applies XR technology to NEET-UG preparation through 3D content, AR/VR experiences, assessments and performance analytics.

Use Cases

- Immersive NEET-UG learning through AR/VR experiences.
- Training and simulation for education and enterprises.
- AR/VR visualization for architecture and business applications.

www.vreontech.com
info@vreontech.com

Tech Domain	Fund Raised
AI/ML	Not Disclosed
TRL Stage	**Startup Stage**
TRL 7	Revenue

Product

VREON Tech develops AR/VR-powered applications and immersive digital experiences across education, enterprise and visualization.

- **EdXAR:** AR/VR learning platform for NEET-UG with 3D models, videos, assessments and performance analytics.
- **EdXAR Vision:** AR/VR-based learning experiences for school students using interactive 3D content and multimedia.
- **JevelAR:** AR-based jewellery visualization solution for jewellery retailers and e-commerce businesses.
- **Custom XR Solutions:** Enterprise AR/VR applications for training, simulation, visualization and interactive experiences.

Clients

queen mira international school

CHALLANI JEWELLERY MART

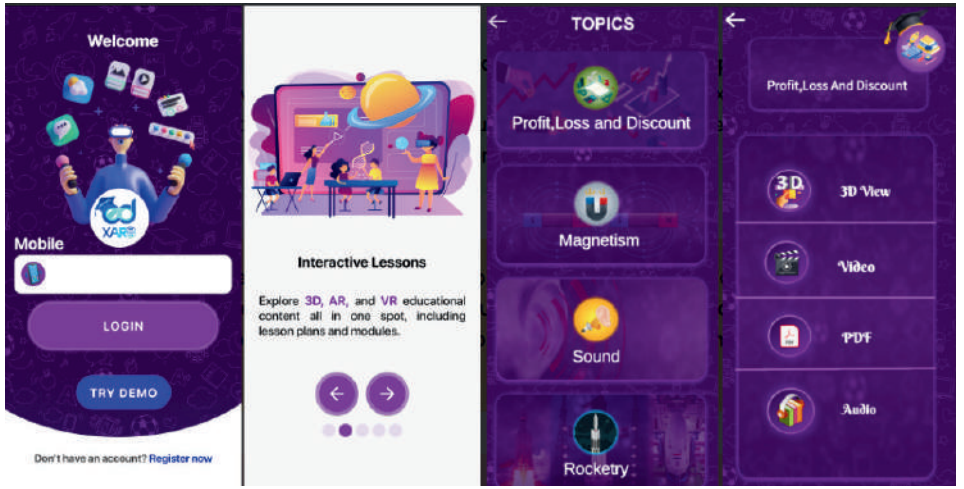
COIMBATORE Smart city

TAMILNADU POLICE

Competitive Advantage

- Combines AR, VR and XR with custom software development.
- EdXAR integrates immersive learning with assessments and performance analytics.
- Experience across education, enterprise training, simulation and visualization.
- Indigenous XR product development with DPIIT recognition and iTNT Hub ecosystem support.

Product Image



InnoXR

Founded in	Location	Employees
2024	**Chennai**	**6**

Team



Goutham Srinath
Founder & CEO

Technology entrepreneur focused on spatial computing, holographic displays and AI-powered retail experiences, leading InnoXR Labs from its student-originated prototype toward commercial hardware deployments.



Benita Grace
Co-Founder & COO

Technology entrepreneur and co-founder contributing to product development, business growth and market outreach, with a focus on taking InnoXR's immersive display technology into retail and experiential applications.

innoxrlabs.com

innoxr.labs@gmail.com

Interactive holographic displays for immersive retail and brand experiences.

Brief

InnoXR Labs is a Chennai-based MarTech and deep-tech startup developing HoloInteract, an interactive holographic display platform designed to bring glasses-free 3D and spatial computing experiences into physical retail, events and brand activations. The platform combines holographic display hardware, real-time interaction, computer vision, edge AI and rapid 3D-content generation to transform static physical spaces into interactive digital experiences.

Use Cases

- Interactive retail displays for engaging customers with 3D product experiences.
- Brand activations and product launches using immersive holographic experiences.
- Events and experiential marketing with interactive spatial displays and digital content.

Tech Domain	Fund Raised
AR/VR	NA
TRL Stage	**Startup Stage**
TRL 6	Pilot

Product

HoloInteract is an interactive holographic display platform that combines glasses-free 3D visualization, real-time interaction and AI-powered analytics to create immersive experiences for retail, events and brand marketing.

- **Interactive Holographic Display:** Presents products and digital content as glasses-free 3D experiences designed to attract and engage physical-store visitors.
- **AI-Powered Interaction:** Uses computer vision, gesture recognition and edge AI to enable users to interact naturally with displayed content.
- **Rapid 3D Content Creation:** Uses proprietary image-to-3D conversion software and a library of visual effects to create customised holographic content in significantly shorter development cycles.

Competitive Advantage

- Combines holographic hardware with AI-powered interaction, creating a more interactive experience than conventional digital signage.
- Glasses-free spatial computing allows customers to view and interact with 3D content without requiring headsets or wearable devices.
- Rapid proprietary content pipeline enables customised 3D product experiences to be created in days rather than months.
- Integrated hardware, software and analytics approach enables InnoXR to connect immersive visual experiences with customer interaction and physical-retail intelligence.

Product Image





iTNT
TAMILNADU TECHNOLOGY HUB

CONSTRUCTION TECH



Tvasta Manufacturing Solutions

Founded in	Location	Employees
2016	**Chennai**	**20+**

Team



Adithya VS
Co-Founder & CEO

An IIT Madras mechanical engineering alumnus who leads Tvasta's strategic vision, successfully pioneering India's first commercial-scale 3D concrete printing technology to radically transform traditional, labor-intensive construction methods.



Parivarthan Reddy
Co-Founder & CTO

An IIT Madras graduate managing business operations and industrial scaling, focused on integrating automated printing workflows into mainstream infrastructure development and establishing key corporate partnerships.

www.tvasta.construction

info@tvastagroup.in

tvasta

Indigenous 3D printing technologies for faster, sustainable, and automated construction.

Brief

Tvasta Manufacturing develops industrial 3D printing technologies for construction, enabling automated and sustainable building processes. Its solutions combine large-scale 3D printers, specialised concrete materials and digital design workflows to reduce construction time, material waste and labour requirements while supporting scalable, cost-effective infrastructure development across residential, commercial and industrial applications.

Use Cases

- Rapid construction of affordable and customised housing.
- 3D printing for public and disaster-relief infrastructure.
- Automated construction for industrial and commercial projects.

Tech Domain	Fund Raised
Construction Tech	INR 3cr
TRL Stage	**Startup Stage**
TRL 9	Revenue

Product

Tvasta provides a complete 3D construction ecosystem combining printers, software, materials and project execution.

- **Nirmaan 3D Printers:** Gantry and robotic-arm systems for R&D, off-site and large-scale on-site construction.
- **Construction Software:** Tools for slicing, simulation and real-time print control.
- **Sustainable Materials:** Specialised concrete mixes designed for strength, durability and reduced cement consumption.
- **Turnkey Construction:** End-to-end support covering design, printing, assembly and project execution.

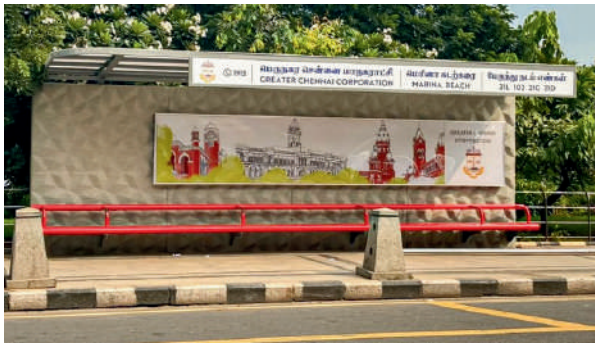
Clients

Competitive Advantage

- Proprietary combination of 3D printers, materials, software and construction methodology.
- Proven large-scale deployment, including India's first 3D-printed house.
- Enables complex architectural forms without conventional formwork.
- Focuses on reducing construction time and material waste.

Product Image





Sugora Infrastructure

Founded in	Location	Employees
2023	**Chennai**	**3**

Team



Sugan D
CEO

Materials Science & Engineering professional and entrepreneur with experience in materials research, product development, prototyping and construction technology, currently working on technology-driven solutions for the construction-material ecosystem.



Sakthi D
Operations Executive

Entrepreneur and business professional with experience in business operations and office management, currently serving as Director at Sugora Infrastructure and contributing to its construction-material business and operations.

sugoraInfrastructure

sugorainfrastructure@gmail.com

Advanced Composite Roofing for High-Strength & Zero Maintenance

Brief

Sugora Infrastructure develops corrosion-free FRP roofing solutions for industrial, agricultural, and poultry sheds, addressing premature metal roof failure through lightweight, durable, repairable composites tailored for cost-sensitive Indian infrastructure markets segments. At this stage, the work demonstrates material selection logic and small-scale fabrication feasibility, but long-term durability, standard compliance, and large-scale manufacturability remain unvalidated

Use Cases

- Industrial shed roofing requiring lightweight and corrosion-resistant sheets.
- Poultry farm roofing with durable composite materials.
- Agricultural and domestic shed roofing with easier maintenance and repair.

Tech Domain	Fund Raised
Sustainability	NA
TRL Stage	**Startup Stage**
TRL 3	Prototype

Product

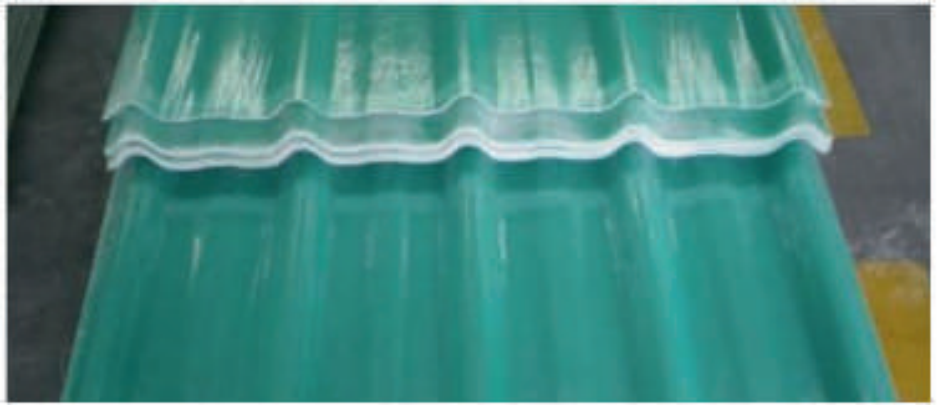
The proposed product is an FRP roofing sheet designed to address premature corrosion and failure associated with conventional metal roofing. It uses a composite construction involving reinforcement, surface layer, resin matrix and moulding.

- FRP Roofing Sheet: Lightweight composite roofing designed for industrial, agricultural, poultry and domestic shed applications.
- Composite Manufacturing: Uses reinforcement, surface layer, resin matrix, tools and moulds to form the roofing sheet.
- Performance Benefits: Designed to provide high strength-to-weight ratio, corrosion resistance, high fracture toughness, easy repair and high workability.

Competitive Advantage

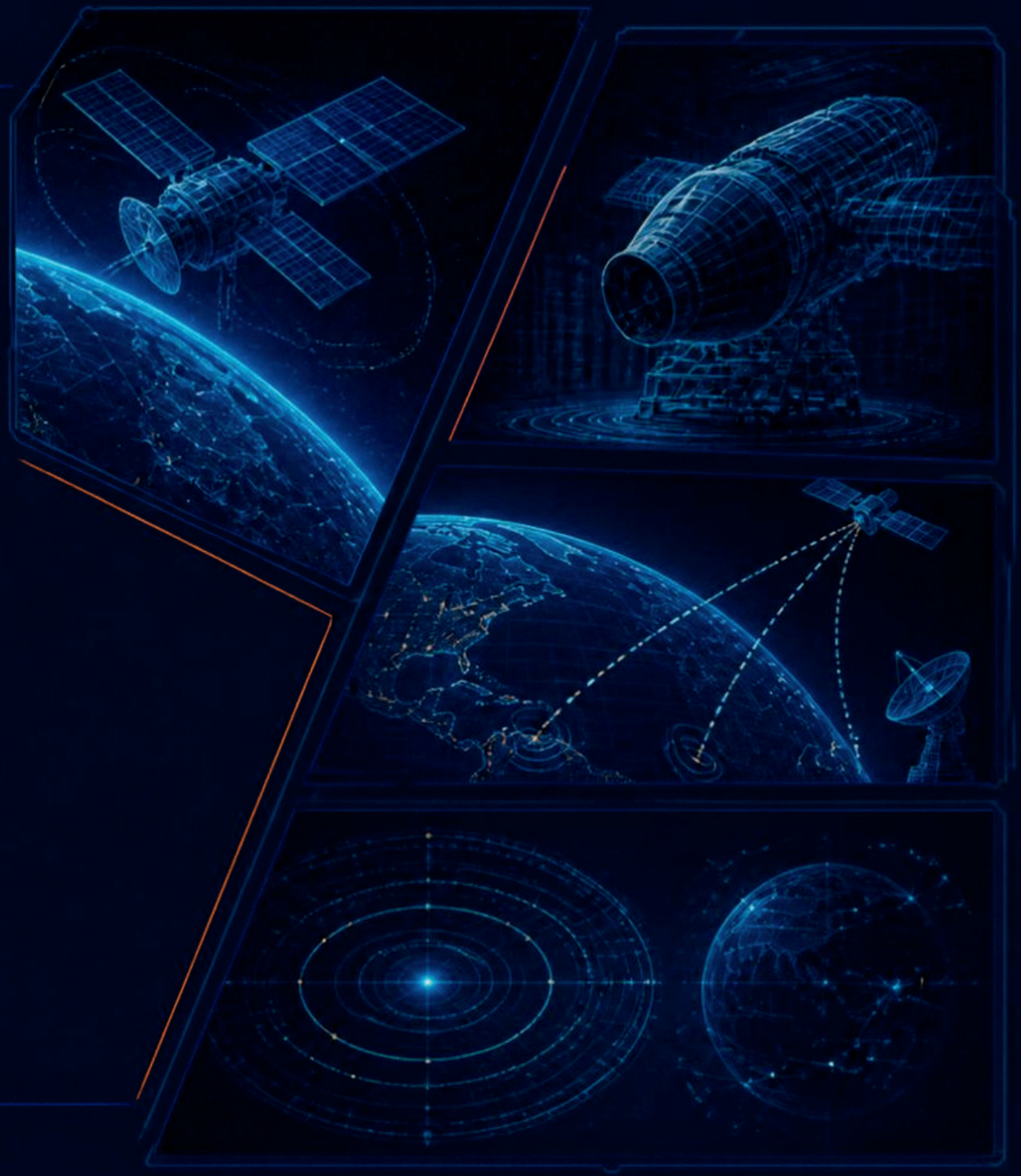
- Ecosystem Orchestration Model: Avoids asset-heavy warehousing to act as a unified, connected network optimizing manufacturers, dealers, and contractors
- Single-Point Multi-Product Sourcing: Aggregates a wide array of infrastructure materials at one location, saving customers significant procurement time.
- Ecosystem-Wide Demand Pooling: Consolidates market demand to give manufacturers predictable order volumes and dealers better inventory visibility.
- Disintermediated Distribution Network: Bypasses traditional multi-layered middlemen to deliver materials directly at optimized prices and times.

Product Image



iTNT
TAMILNADU TECHNOLOGY HUB

SPACE TECH



Thazhal Geospatial Analytics

Founded in	Location	Employees
2021	**Coimbatore**	**5**

Team



Kandasamy S
Founder

A geospatial technology entrepreneur and Co-Founder of Thazhal, leading the development of satellite-driven intelligence, climate-risk assessment and infrastructure monitoring solutions using remote sensing and AI.

Thazhal.in

contact@thazhal.in

AI-powered satellite remote sensing for real-time climate risk and surface water intelligence.

Brief

Thazhal Geospatial Analytics develops geospatial and AI solutions for environmental monitoring, infrastructure monitoring and climate-risk intelligence. The company combines satellite imagery, remote sensing, GIS, drones, IoT and AI to convert location-based data into actionable insights for infrastructure, environmental and sustainability applications.

Use Cases

- Monitors infrastructure and natural assets using satellite imagery, geospatial analytics and AI-based risk assessment.
- Assesses climate-related risks such as floods, landslides, fire hazards and environmental changes.
- Supports agriculture and land management through satellite-based crop, boundary and terrain intelligence.

Tech Domain	Fund Raised
Space Tech	Not Disclosed
TRL Stage	**Startup Stage**
TRL 8	Revenue

Product

Thazhal develops geospatial intelligence products that combine satellite imagery, AI and spatial analytics to monitor infrastructure, assess environmental risks and support climate-resilient decision-making.

- Fire Audit: Uses AI, indoor video and spatial data to identify fire-prone materials, hotspot zones and missing safety infrastructure, generating building-level risk insights.
- Climate & Infrastructure Intelligence: Uses Earth observation and geospatial analytics to identify climate risks, monitor assets and support infrastructure-risk assessment.
- Water & Agriculture Intelligence: Applies geospatial technology to digital water twins, surface-water management, crop intelligence and automated land/boundary analysis.

Client

FEDERAL BANK
YOUR PERFECT BANKING PARTNER

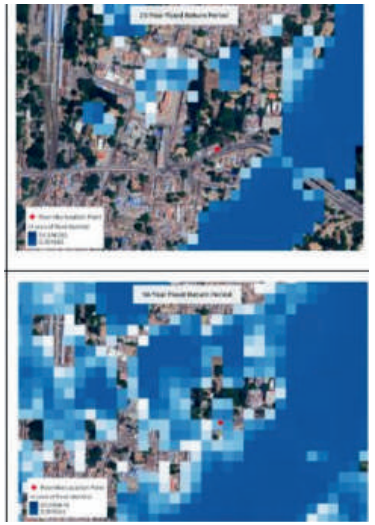
GDI
INTEGRATED GEOSPATIAL DATA-SHARING INTERFACE

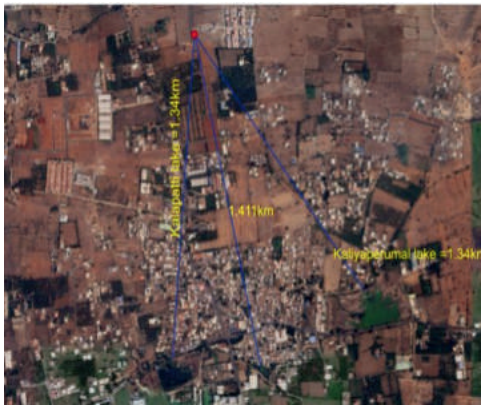
தென்காசி மாவட்டம்
TENKASI DISTRICT

EcoSattva
ENVIRONMENTAL SOLUTIONS

Competitive Advantage

- Combines satellite imagery, remote sensing, GIS, AI, drones and IoT into integrated geospatial intelligence solutions.
- Applies deep-tech geospatial analytics to both infrastructure monitoring and climate/environmental risk assessment.
- Develops domain-specific products such as Fire Audit, climate-risk intelligence and water intelligence rather than relying solely on generic GIS services.
- Has demonstrated international and institutional exposure through programmes involving JETRO/METI, Infosys, IIT Tirupati and iTNT Hub.





Tospace

Founded in	Location	Employees
2021	**Karur**	**10**

Team



Adnaan M
Founder & CEO

Leading his work in affordable space technology, Pocket Qube satellites, launch services and STEM-focused aerospace initiatives. He has also represented ToSpace in academic and industry space-technology programmes.



Ramesh Pradeep
Co-Founder & CTO

A hardware-technology specialist and co-founder/CTO of ToSpace, contributing to the development of its satellite and aerospace systems.

www.tospace.in

adnaan.m@tospace.in

PocketQube satellites and affordable space-access solutions.

Brief

ToSpace develops miniaturised satellite technologies and affordable space-access solutions, focusing on PocketQube platforms, LoRa-based satellite connectivity, high-altitude balloon launches and STEM-oriented space technology. The company also works on drones and space-technology education initiatives.

Use Cases

- Low-cost satellite connectivity for IoT applications.
- High-altitude balloon launches for research.
- PocketQube platforms for STEM and education.
- Satellite technology for remote sensing applications.

Tech Domain	Fund Raised
Space Tech	Not Disclosed
TRL Stage	**Startup Stage**
TRL 4	Prototype

Product

ToSpace develops miniaturised satellite and space-access technologies focused on affordable deployment and connectivity.

- PocketQube Platform: Compact satellite platform designed for low-cost space missions and IoT applications.
- LoRa Satellite Connectivity: Low-power, long-range communication architecture for IoT/M2M applications.
- Launch Aggregation: Facilitates affordable access to space for PocketQube and small satellite missions.
- High-Altitude Platforms: Balloon-based launch and research services for testing and near-space experiments.

Clients

Competitive Advantage

- Focuses on ultra-small and cost-efficient PocketQube satellite platforms.
- Combines satellite technology with low-power LoRa connectivity.
- Provides an integrated pathway covering development, launch aggregation and STEM applications.
- Has demonstrated international collaboration through PocketQube/high-altitude research activities.

Product Image









Trinav Space Tech

Founded in	Location	Employees
2025	**Chennai**	**2**

Team



Gowtham S
Founder & CEO

Entrepreneur and technology professional working at the intersection of space technology, geospatial intelligence and electronics, with a focus on developing practical downstream applications of satellite and spatial data.

t-spacetech.com

gowtham@t-spacetech.com

space tech

Satellite-driven geospatial intelligence for renewable energy and infrastructure planning.

Brief

Trinav SpaceTech develops downstream space and geospatial technologies that combine satellite data, remote sensing, GIS, drone analytics and spatial intelligence to support infrastructure planning and renewable-energy development. Its flagship MEiLP™ platform is positioned as a geospatial intelligence solution for identifying and optimising locations for solar and wind assets, while the company's broader capabilities cover Earth observation, geospatial mapping, navigation and UAV-based analytics.

Use Cases

- Renewable-energy site selection and optimisation using satellite and spatial data.
- UAV-based infrastructure inspection and powerline detection using GIS, computer vision and onboard processing.
- Geospatial mapping and location intelligence for infrastructure, logistics, defence and urban-development applications.

Tech Domain	Fund Raised
Space Tech	INR 10L
TRL Stage	**Startup Stage**
TRL 6	Pilot

Product

MEiLP™ (Multi-Energy intelligent Location Platform) is Trinav SpaceTech's geospatial intelligence platform designed to optimise renewable-energy site selection and infrastructure planning by combining satellite data, GIS modelling, drone analytics and proprietary algorithms.

- Renewable Site Intelligence: Analyses spatial and Earth-observation data to identify suitable locations for solar and wind projects.
- Geospatial Optimisation: Supports land-use assessment, spatial modelling and infrastructure planning to improve asset-location decisions.
- Drone & Satellite Analytics: Combines UAV-derived information with satellite imagery and GIS workflows for high-resolution infrastructure intelligence.

Competitive Advantage

- Combines satellite, GIS and drone intelligence into a unified geospatial workflow for infrastructure and renewable-energy planning.
- Focuses on renewable-energy site optimisation, addressing location, land-use and infrastructure-planning challenges rather than providing generic mapping services.
- Develops downstream applications of space technology, converting Earth-observation data into actionable intelligence for commercial and government users.
- Combines software and spatial engineering capabilities, including GIS, UAV mission planning, computer vision and geospatial analytics for specialised infrastructure applications.

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TAMILNADU TECHNOLOGY HUB

HEALTHCARE



HELYXON MedTech

Founded in	Location	Employees
2024	**Chennai**	**30**

Team



Vijai Shankar Raja
Managing Director

A technocrat and serial entrepreneur with over 30 years of healthcare-industry experience, Vijai previously founded CURA Healthcare and co-founded AVANTTEC before building HELYXON.



Sridhar R
CEO

Sridhar Ranganathan is a co-founder and senior leader at HELYXON, contributing to the company's development of digital healthcare and remote patient-monitoring solutions.

HELYXON

IoT-enabled remote patient monitoring and digital healthcare solutions

Brief

HELYXON develops integrated digital healthcare solutions that enable remote patient monitoring, teleconsultation and continuous doctor-patient engagement. Its ecosystem combines medical-grade IoT devices with platforms such as EPICare and iVITAL+ for monitoring patients across home, hospital and community settings.

Use Cases

- Remote monitoring of patient vital signs.
- Teleconsultation and virtual healthcare delivery.
- Continuous monitoring across home and hospital settings.

www.helyxon.com
info@helyxon.in

Tech Domain	Fund Raised
Healthcare	$7.8M USD
TRL Stage	**Startup Stage**
TRL 9	Growth

Product

HELYXON develops IoT-enabled remote healthcare products and digital platforms for continuous patient monitoring and virtual care.

- **OXY-2:** Compact remote monitoring device for SpO_2, heart rate, temperature and respiration.
- **EPICare:** Tele-engagement platform integrating patient records, vitals, teleconsultation and e-prescriptions.
- **iVITAL+:** Mobile application for real-time monitoring and alerts from OXY-2 devices.
- **Fever Watch:** Continuous temperature monitoring solution for remote patient care.

Clients

PHILIPS SIEMENS Healthineers Apollo HOSPITALS TOUCHING LIVES SIMS SRM INSTITUTES FOR MEDICAL SCIENCE

Competitive Advantage

- Combines medical IoT devices with a unified digital healthcare platform.
- Enables real-time vital monitoring with remote alerts and escalation.
- Supports care across home, hospital, community and teleconsultation settings.
- Developed through healthcare research and collaboration with IIT Madras.

Product Image



Erytos Technologies

Founded in	Location	Employees
2025	**Chennai**	**4**

Team



Dinesh Kumar R
Founder

leading the development of connected, AI-enabled solutions focused on elder safety, independent living and human-centred healthcare technology. He introduced Gerytos as the company's first product.



Sivapradeep N
Co-Founder

working alongside Dinesh Kumar Ramesh to develop intelligent, human-centred technologies that address real-world safety and care challenges.

erytos.com

dineshkumarr@erytos.com

AI-powered, contactless elder-care monitoring and companionship.

Brief

Erytos Technologies develops intelligent, privacy-first technologies that connect the physical and digital worlds. Its flagship product, Gerytos, is an AI-powered contactless elder-care companion that uses sensors and AI to monitor seniors, detect and predict falls, track vital signs, and provide voice-based emotional engagement without cameras or wearable devices.

Use Cases

- Contactless monitoring of elderly people in care facilities.
- Early detection of falls and abnormal activity.
- Remote monitoring of vital signs and wellbeing.

Tech Domain	Fund Raised
Assistive Devices	INR 9L (Grant)
TRL Stage	**Startup Stage**
TRL 5	Prototype

Product

Gerytos is an AI-powered, contactless elder-care monitoring system designed to improve senior safety and wellbeing without cameras or wearable devices.

- Contactless Monitoring: Uses sensors to continuously detect presence, movement and activity patterns without physical devices.
- Predictive Health & Safety: Uses AI to detect falls, monitor heart rate and breathing rate, and generate real-time alerts.
- AI Companion: Provides voice-based interaction and emotional engagement to support seniors and reduce isolation.

Competitive Advantage

- Privacy-first monitoring eliminates the need for cameras and wearable devices while still providing continuous visibility into senior activity.
- Combines safety and emotional wellbeing, bringing fall detection, vital monitoring and AI companionship into a single platform.
- AI-based predictive care aims to identify abnormal activity and potential risks rather than simply recording health information.
- Contactless and scalable architecture is designed for deployment across senior living communities, assisted-care facilities and individual homes.

Product Image



Epixo Robotics

Founded in	Location	Employees
2023	**Chennai**	**2**

Team



Sivanand Chevuri
Founder

Robotics entrepreneur focused on developing automated material-recovery systems that combine AI, robotics and industrial automation for safer and more efficient waste processing.



Sudhan Sadanand
Co-Founder

Sudhan Sadanand is a co-founder of Epixo Robotics, contributing to the development and commercialisation of its Autonomous Recovery Cell technology for complex waste streams.

www.epixo.io

hello@epixo.io

AI-powered robotic systems for automated biomedical waste sorting and recovery.

Brief

Epixo Robotics develops AI-powered Autonomous Recovery Cells that automate material identification, sorting and recovery from complex waste streams. Its current focus is biomedical waste, where computer vision, robotic handling, magnetic separation and industrial automation are used to reduce hazardous manual handling and recover recyclable materials from mixed waste.

Use Cases

- Automated sorting of biomedical waste without manual handling.
- Recovery of recyclable plastics from contaminated waste streams.
- Sensor-based waste composition tracking and EPR verification.

Tech Domain	Fund Raised
Circular Economy	INR 10L (Grant)
TRL Stage	**Startup Stage**
TRL 4	Prototype

Product

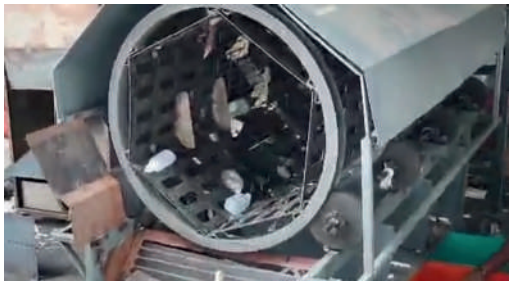
Epixo's Autonomous Recovery Cell combines AI-powered computer vision, robotic handling and mechanical separation to automatically identify, sort and recover materials from hazardous biomedical waste streams.

- AI Vision Sorting: Uses YOLOv8-powered computer vision to identify syringes, IV tubes, gloves, vials and other waste materials in real time.
- Automated Material Separation: Uses robotic/mechanical sorting and NdFeB magnetic separation to isolate steel sharps and route recyclable materials into graded streams.
- Verified Waste Intelligence: The Reflexi platform records weight, composition, timestamps and camera-verified sorting data to create traceable waste and EPR records.

Competitive Advantage

- Eliminates hazardous manual sorting by combining computer vision, robotic handling and automated separation for contaminated biomedical waste.
- Combines physical recovery with digital intelligence, capturing verified waste composition and processing data alongside the sorting operation.
- Real-world commercial deployment demonstrates the system operating on actual biomedical waste, with reported throughput exceeding 300 kg per day.
- Modular Autonomous Recovery Cell approach can potentially be adapted beyond biomedical waste to other complex waste streams requiring automated identification and material recovery.

Product Image

IBT Aura

Founded in	Location	Employees
2025	**Salem**	**5**

Team



Vishwanath K
Founder & CEO

leading the development of wearable healthcare technology that combines biomedical sensing, AI and connected health insights. He is a biomedical engineering student at Anna University and focuses on product development, entrepreneurship and building accessible health-tech solutions.



Adithisri V
Co-Founder & COO

driving the company's operations, product development and growth. A Biomedical Engineering graduate from CEG, Anna University, she is focused on building intelligent wearable healthcare technologies and expanding their real-world applications.

ibtaura.com

NA

AI-powered wearable healthcare devices that track real-time cognitive focus and emotion detection biosignals.

Brief

IBT Aura is developing a connected wearable health platform that continuously captures physiological information and uses AI to convert the data into understandable, personalised insights. Its Aura Clarus ecosystem combines wearable hardware with mobile and desktop applications, with applications spanning fitness, wellness and continuous health monitoring.

Use Cases

- Continuous monitoring of physiological and wellness parameters.
- Personalised fitness insights across running, cycling and workouts.
- AI-assisted interpretation of health and activity data.

Tech Domain	Fund Raised
MedTech	₹25L (Pre-Seed)
TRL Stage	**Startup Stage**
TRL 6	Pilot

Product

IBT Aura develops wearable healthcare technology that continuously captures physiological and wellness data and converts it into personalised insights. Its solutions combine wearable sensors, mobile applications and AI-based analytics for continuous health monitoring.

- **Aura Clarus:** Wearable technology designed for continuous physiological monitoring.
- **Health Analytics:** Processes biometric data to provide personalised health and wellness insights.
- **Connected Platform:** Integrates wearable data with mobile applications for continuous tracking and analysis.

Competitive Advantage

- Integrates wearable sensing, mobile applications and AI-based health analytics.
- Enables continuous collection of physiological and wellness data.
- Provides personalised insights rather than relying only on raw sensor readings.
- Combines hardware and software into a connected health-monitoring ecosystem.

Product Image





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ENTERPRISE TECH



Inblue Infotech

Founded in	Location	Employees
2022	Chennai	10+

Team



Muralikrishnan
Founder

leading the development of AI- and IoT-powered building management solutions focused on energy efficiency, automation, and smarter infrastructure operations.

AI- and IoT-powered solutions for smart buildings, manufacturing automation, and business operations.

Brief

Inblue Infotech develops integrated IoT, AI, automation and software solutions that connect physical infrastructure with digital intelligence. Its solutions enable real-time monitoring, predictive maintenance, energy analytics, smart building management, industrial operations and facility management through a unified hardware and software ecosystem.

Use Cases

- Monitor production, machine health and operational performance in real time.
- Use AI/ML for machine health monitoring and early fault detection.
- Optimize HVAC, lighting, energy consumption and indoor air quality.
- Track power, water flow, energy usage and detect leakages.

inblueinfotech
office@inblueinfotech.com

Tech Domain	Fund Raised
AI & IoT	Not Disclosed
TRL Stage	**Startup Stage**
TRL 6	Pilot

Product

Inblue Infotech develops AI and IoT-enabled Building Management Systems that monitor, control and optimise building infrastructure. Its platform connects different building systems to provide centralised visibility, automated control and energy-efficiency insights.

- **AI-BMS:** Integrates HVAC, lighting, lifts and other building systems.
- **Energy Management:** Analyses consumption and optimises energy-intensive operations.
- **Smart Monitoring:** Provides real-time building performance, safety and operational insights.

Clients

BOSCH, HDFC BANK, DLF, KONE

Competitive Advantage

- Integrates HVAC, lighting, lifts and other building systems on one platform.
- Uses AI and IoT to optimise energy consumption and operations.
- Provides real-time monitoring for building performance and infrastructure.
- Demonstrated measurable energy savings through real-world pilot deployment.

Product Image







White AI Analytics

Founded in	Location	Employees
2025	**Chennai**	**7**

Team



Nachiyappan V
Founder & CEO

Nachiyappan Vellaiyan, Founder & CEO of FINCORPx, brings 9+ years of experience in accounting, finance, audit, and financial operations, driving the company's mission to automate and transform SME financial management.

www.fincorpx.com

nachiyappan@fincorpx.com

FINCORP X
Financial Corpus Xceleration

AI/ML Accounting that thinks ahead.

Brief

FINCORPx is an AI-powered finance platform that automates accounting, bookkeeping, reconciliation and financial management for businesses. Its solutions help digitise expense processing, extract data from bills and receipts, track cash flow, manage receivables and payables, and provide real-time financial insights for faster business decisions.

Use Cases

- Automated bookkeeping, invoice processing, and transaction reconciliation
- Real-time financial reporting, expense tracking, and business performance insights
- Cash-flow forecasting, financial planning, and early risk identification

Tech Domain	Fund Raised
AI/ML	INR 1.70 Cr
TRL Stage	**Startup Stage**
TRL 7	Revenue

Product

FincorpX is an AI-powered accounting and financial management platform that automates bookkeeping, reconciliation, compliance and financial reporting while providing real-time cash-flow and business insights.

- **AI-Powered Bookkeeping:** Automates transaction classification, bookkeeping, invoice processing and reconciliation using AI and OCR.
- **Financial Intelligence:** Provides real-time dashboards, financial reporting, cash-flow tracking, forecasting and performance analysis.
- **Tax & Compliance:** Supports GST/VAT reconciliation, tax filing and compliance with human finance professionals for review and support.

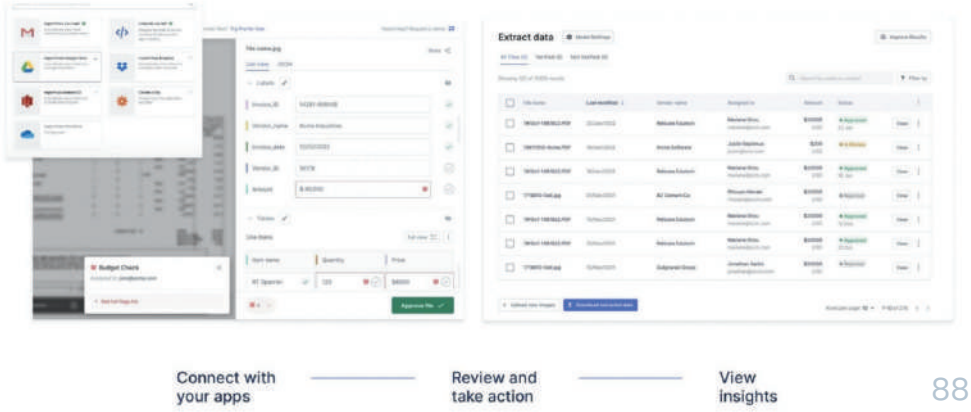
Clients

BAGGAGE TAXI.com · XMA · Medway Hospitals The way to better health · DUBAI SOUND ACADEMY · LEXDASH · Faggro Agro Transit Refined · Sprint6 Smart Restroom Solutions

Competitive Advantage

- Zero-Touch Automated Bookkeeping: Eliminates error-prone manual accounting spreadsheets by utilizing automated, hands-free transactional processing.
- 3-to-6 Month Predictive Cash Forecasting: Uses predictive data engines to project a business's exact cash position half a year in advance.
- Unified Cross-Platform Visibility: Automatically maps and reconciles real-time data across banking feeds, invoicing workflows, and GST compliance layers.
- Automated Reconciliation & Anomaly Detection: Instantly flags financial discrepancies and fraud risks, shifting accounting from historical reporting to active threat mitigation.

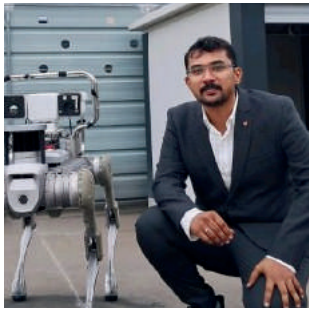
Product Image



Hivecrest Technologies

Founded in	Location	Employees
2020	**Coimbatore**	**8**

Team



Poovendhan
Founder & CEO

Leading the development of intelligent systems, AI solutions, automation, and enterprise software focused on improving operational efficiency and business decision-making.

www.hivecrest.tech

ceo@hivecrest.tech

Building practical AI-powered software solutions that automate business processes and solve real-world Operational challenges.

Brief

Hivecrest Technologies develops AI and intelligent automation solutions for agriculture, manufacturing, and defence. Its capabilities span computer vision, robotics, intelligent systems, and enterprise automation, enabling real-time monitoring, operational intelligence, process optimization, and safety enhancement. The startup builds customized technology solutions that improve efficiency, reduce manual intervention, and support data-driven decision-making across industrial environments.

Use Cases

- Converts commercial video feeds into real-time hazard and intrusion threat detection.
- Deploys automated natural-language calling agents for customer outreach and lead qualification’
- Consolidates fragmented tools into one automated dashboard for tracking internal workflows.

Tech Domain	Fund Raised
AI/ML	₹1.7Cr (Pre-Seed)
TRL Stage	**Startup Stage**
TRL 6	Pilot

Product

Hivecrest Technologies develops AI-powered enterprise software designed to automate repetitive business processes and improve operational efficiency. Its solutions combine artificial intelligence, computer vision and customised software platforms for different business requirements.

- **AI Calling:** Automates customer communication, follow-ups and engagement through AI-powered calling.
- **Video Analytics:** Uses computer vision to monitor activities and generate operational insights.
- **Enterprise Software:** Develops customised web applications and platforms for business workflows.

Clients

Craftsman Automation · Mahindra Rise · Tamil Nadu Highways Department

Competitive Advantage

- Develops customised AI solutions based on specific business requirements.
- Combines AI, computer vision, automation and enterprise software capabilities.
- Provides end-to-end development from solution design to deployment.
- Targets operational efficiency through automation of repetitive business processes.

Product Image



Lexdash Technologies

Founded in	Location	Employees
2023	**Chennai**	**10**

Team



Kandavel A
Co-Founder

a technology entrepreneur and software developer with experience in AI, distributed systems, networking and developer tools, contributing to LexDash's technology and product development. His profile lists LexDash as his company and highlights extensive work across software and open-source technologies.



Mohan Sundar
CEO

Technology entrepreneur and software developer with experience in building AI and software products, with a strong background in open-source development, distributed systems and cybersecurity. He leads LexDash's product and business development.

www.lexdash.app

info@lexdash.app

AI-powered multilingual document intelligence and localization seamlessly verified by human translation experts.

Brief

LexDash Technologies is an AI-powered legal tech startup that provides multilingual document intelligence and translation services. Founded in 2023, the Chennai-based platform leverages an AI co-pilot combined with human verification to deliver rapid, secure, and legally vetted translations for corporations and global law practices.

Use Cases

- Translating business, legal and financial documents.
- Localizing websites, software, audio and video content.
- AI-assisted translation with certified human verification.

Tech Domain	Fund Raised
AI/ML	Not Disclosed
TRL Stage	**Startup Stage**
TRL 8	Revenue

Product

LexDash combines AI translation, OCR and human expertise to deliver fast multilingual content translation.

- **AI Translation Copilot:** Translates documents, text, audio and video across 75+ languages.
- **OCR Translation:** Processes scanned documents and images containing text.
- **Human Verification:** Professional translators can review and certify AI-generated translations.
- **Enterprise Platform:** Supports glossary management, team workflows, tracking and multiple content formats

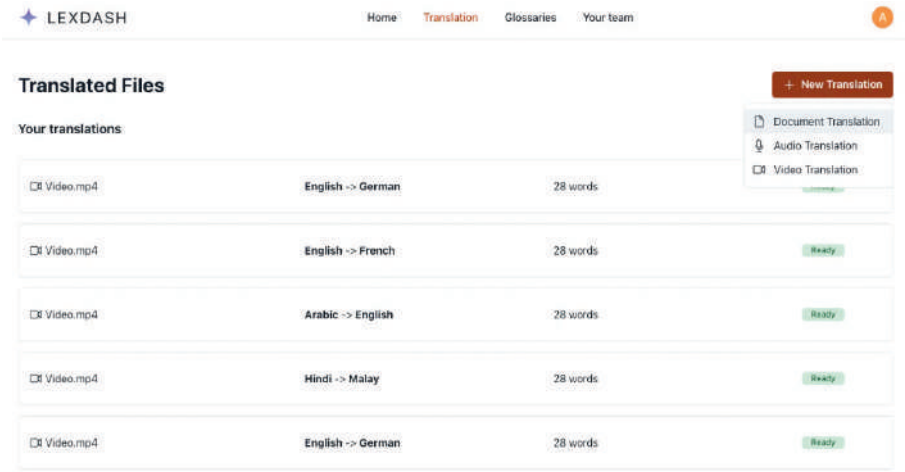
Clients

marico Pidilite CEAT AXIS FINANCE

Competitive Advantage

- Combines AI-generated translation with professional human verification.
- Supports 75+ languages and multiple content formats.
- Offers OCR capabilities for scanned and image-based documents.
- Built for business-critical translations requiring accuracy and certification.

Product Image



Cogno Valley

Founded in	Location	Employees
2023	**Chennai**	**5+**

Team



Bernard Shaw
Founder & CEO

Entrepreneur and technology leader focused on applying AI, computer vision and video intelligence to public safety, law enforcement and defence challenges.



Aldrin Chella Daniel
Co-Founder & CTO

Technology professional specialising in AI, computer vision and video analytics, driving Cogno Valley's development of scalable visual-intelligence and surveillance systems.

cognovalley.ai

bernie@cognovelley.ai

AI-powered video forensics and real-time surveillance threat detection.

Brief

Cogno Valley develops AI-powered video intelligence and forensic analytics for law enforcement, public safety and defence applications. Its technology analyses live and recorded CCTV footage to identify, locate and track missing persons, suspects, vehicles, weapons and other threats. The platform combines computer vision, facial and object recognition, video analytics and automated alerting to reduce the time and manual effort involved in surveillance and investigations.

Use Cases

- Real-time surveillance and threat detection from live CCTV feeds.
- Tracking missing persons and suspects across multiple camera networks.
- Video forensics and post-incident investigation using historical surveillance footage.

Tech Domain	Fund Raised
AI/ML	₹1.7Cr (Pre-Seed)
TRL Stage	**Startup Stage**
TRL 6	Pilot

Product

Cogno Valley develops AI-powered video intelligence platforms that analyse live and recorded CCTV footage to identify, track and investigate people, vehicles and potential threats for law enforcement and security applications.

- **Cogno LiveID:** Uses AI-based image matching to identify and track missing persons, absconders and persons of interest across CCTV footage.
- **Cogno Trace & Track:** Searches live and historical CCTV/DVR footage to locate suspects, missing persons, vehicles and other entities.
- **Preventive Surveillance:** Analyses live video to detect weapons, aggressive behaviour and other security threats, generating alerts for patrol and emergency response teams.

Competitive Advantage

- AI-powered video forensics automates the search and analysis of large volumes of CCTV footage, reducing dependence on manual investigation.
- Real-time and historical video analysis enables both preventive surveillance and post-incident investigation from the same technology stack.
- Multi-object intelligence allows the platform to identify and track people, vehicles, weapons and other incident indicators across surveillance networks.
- High-speed proprietary processing architecture is designed for rapid forensic searches, with iTNT reporting up to 10× faster processing for its missing-person and absconder tracking solution.

Product Image



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Others



EDIODE Electronics

Founded in	Location	Employees
2023	**Karur**	**4**

Team



Suresh Velusamy
Founder & Director

An electronics repair professional and entrepreneur who co-founded Ediode Electronics to address the challenges faced by technicians in diagnosing and repairing increasingly complex television systems.



Prasanth Velusamy
Co-Founder & Director

An electronics professional and co-founder of Ediode Electronics, involved in developing indigenous repair technologies and solutions for improving electronics maintenance.

www.edio.in

ediotelevision@gmail.com

AI-powered repair technology for electronics and sustainable maintenance

startup Brief

Ediode Electronics combines AI, electronics diagnostics and repair technology to support technicians and reduce electronic waste. Its solutions include repair tools, electronic spares and learning resources for technicians, students and project centres.

Use Cases

- Faster diagnosis and repair of LED/LCD TVs.
- Access to refurbished electronic spare parts.
- Technical training and support for repair technicians.

Tech Domain	Fund Raised
Electronics	INR 60L
TRL Stage	**Startup Stage**
TRL 3	Prototype

Product

Ediode develops AI-assisted electronics repair tools and a circular marketplace for electronic spares.

- EDIO SmartClone: Diagnoses LED/Smart TV faults and guides technicians toward the required repair.
- Electronic Spare Marketplace: Provides LED/LCD spare parts, including refurbished components, supporting affordable repair.
- Repair Intelligence: Combines device databases, diagnostic tools and repair knowledge to simplify troubleshooting.
- Z-AI Lab: Provides hands-on electronics learning and technical support for students, innovators and project centres.

Competitive Advantage

- Reduces TV fault-diagnosis time through automated repair intelligence.
- Combines repair hardware with electronic spare-part availability.
- Promotes refurbished components and repair to reduce e-waste.
- Developed specifically around the practical needs of electronics technicians.

Product Image





Sicrest Semiconductors

Founded in	Location	Employees
2023	**Chennai**	**2**

Team



Kandeeban A
Co-Founder & Director

Semiconductor professional and entrepreneur specialising in VLSI design, architecture and verification, with a focus on developing indigenous semiconductor capabilities and mentoring engineers in advanced chip-design methodologies.



Saish Amonkar
Co-Founder & Director

25+ years in the semiconductor industry Ex - Intel & AMD Leads IP design strategy and silicon realization

sicrestsemiconductors.com sales@sicrestsemiconductors.com

Indigenous EdgeAI IPs for Low-Power Intelligent Devices

Startup Brief

SiCrest Semiconductors is a deep-tech semiconductor company developing indigenous silicon IP, chip-design solutions, advanced verification capabilities and AI-oriented hardware. Its technology portfolio spans RISC-V architectures, digital and mixed-signal verification, formal verification, RF chip validation and Edge-AI acceleration. The company is also developing reusable semiconductor IP intended for applications including edge computing, industrial systems, intelligent electronics and AI inference.

Use Cases

- Edge AI acceleration for real-time intelligent devices.
- Semiconductor design and verification for SoC development.
- RF and mixed-signal chip validation for electronic systems.

Tech Domain	Fund Raised
Semiconductor	NA
TRL Stage	**Startup Stage**
TRL 4	Prototype

Product

SiCrest Semiconductors develops indigenous semiconductor IP and engineering solutions for chip design, verification, and Edge-AI applications.

- **Edge-AI Accelerator:** Develops SCS_NNetSoC_V1, a configurable neural-network inference IP designed for low-power, low-latency AI processing at the edge.
- **VLSI Design & Verification:** Provides RTL design, digital/mixed-signal verification, formal verification, and SoC architecture support for semiconductor development.
- **RF & Silicon Validation:** Offers RF chip validation and specialised semiconductor engineering services to improve design reliability and silicon performance.

Competitive Advantage

- Combines semiconductor design, verification, RF validation and proprietary IP development under one technology platform.
- Develops indigenous Edge-AI accelerator IP focused on low-power and low-latency inference for intelligent devices.
- Strong expertise in advanced VLSI and formal verification supports reliable and efficient SoC development.
- Integrates RISC-V, AI hardware and verification capabilities to address emerging semiconductor and edge-computing applications.

Spark Invotech

Founded in	Location	Employees
2023	**Chennai**	**2**

Team



Hari pradosh
COO

specializing in developing custom embedded systems, automotive electronics, and IoT hardware solutions.

Indigenous automotive, IoT and industrial electronics solutions.

Startup Brief

Spark Invotech develops electronics and IoT-based technology solutions for automotive, industrial and emerging technology applications. Its work focuses on combining embedded systems, connected devices and application-specific electronics to address operational and monitoring requirements across sectors including automotive and agritech.

Use Cases

- IoT-based monitoring for automotive and industrial applications.
- Embedded electronics for connected and intelligent systems.
- Technology solutions for agritech and operational monitoring.

sparkinvotech
haripradoshgiri123@gmail.com

Tech Domain	Fund Raised
IoT/Automation	NA
TRL Stage	**Startup Stage**
TRL 6	Pilot

Product

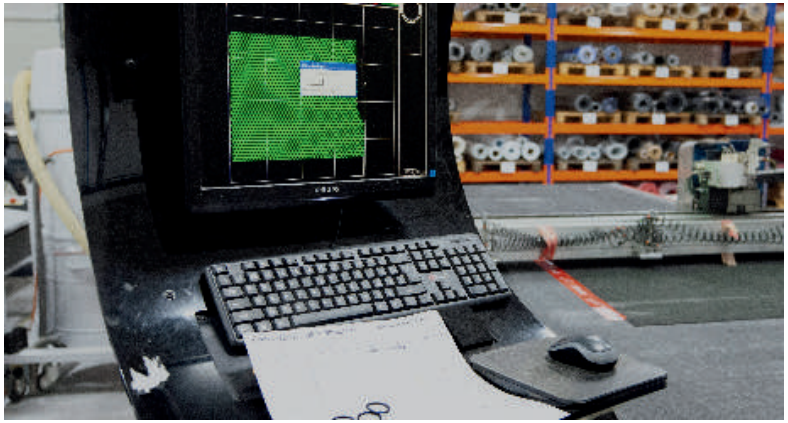
Spark Invotech develops indigenous electronics and IoT solutions for automotive, marine and industrial applications. Its solutions combine embedded electronics, connected sensors and cloud-based monitoring to improve operational visibility and system performance.

- **Automotive Electronics:** Develops vehicle monitoring and electronic control solutions.
- **Marine Solutions:** Enables monitoring of marine engines and vessel systems.
- **Industrial IoT:** Connects industrial equipment with real-time monitoring and analytics.

Competitive Advantage

- Develops indigenous electronics and IoT solutions across multiple industries.
- Combines embedded hardware, sensors, connectivity and cloud-based monitoring.
- Applies its technology across automotive, marine and industrial environments.
- Provides integrated hardware-to-software solutions rather than standalone electronic components.

Product Image



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TAMILNADU TECHNOLOGY HUB

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Anna University Campus, Kotturpuram
Chennai, Tamil Nadu - 600025

Madurai Regional Hub

Anna University Madurai Campus
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Follow Us

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Salman Complex, Pudukottai Main Rd
Mandaiyur, Tiruchirappalli - 621316

Coimbatore Regional Hub

Government College of Technology (GCT)
Campus, PJ-102, Platinum Jubilee building,
Thadagam Road, Coimbatore - 641013

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