

INDIAN ENGINEERING

FOR A SAFER TOMORROW

Building intelligent systems for
the next generation of technology.



DRONE
TECHNOLOGY



DEFENCE
TECHNOLOGIES



EMBEDDED
SYSTEMS



INSTAGRAM



LINKEDIN

UAV SYSTEMS | EMBEDDED SYSTEMS | AI & AUTONOMOUS SYSTEMS

SECURE COMMUNICATION | DEFENCE TECHNOLOGY | ENGINEERING SOLUTIONS

COMPANY PROFILE 2026

Contents

03	About Us
04	What We Do
05	Make in India
06	Technology & R&D
08	Product Portfolio
09	Vision Nano
10	Vision 1.0
11	Vision 2.0
12	Vision 3.0 VTOL
13	Vision 4.0
14	Shell Dropping System
15	Software Suite
16	Applications
17	Defence Engagement
18	Services & Support
19	Our Team
20	Contact



01 — ABOUT US

Engineering unmanned systems in India

Decouvertes Future Tech Private Limited is a Pune-based company that designs and manufactures drones, defence electronics and embedded systems.

Design, integration and flight testing are all carried out in-house, so every Vision platform is built and proven by one team.

2023

Established

Pune

Headquarters

5

UAV platforms

3

Software products

OUR VISION

To be a trusted Indian developer of unmanned and autonomous systems for defence and industry.

OUR MISSION

To design, build and support reliable UAV and embedded systems that meet our customers' operational needs.

02 — WHAT WE DO

Six capabilities, one integrated team

Airframes, electronics, software and testing under one roof, so complete systems can be developed and adapted quickly.

01

UAV Systems

Multirotor, coaxial and fixed-wing VTOL platforms, from 250 g to 12 kg.

02

Defence Technology

Platforms for surveillance and artillery fire direction in contested environments.

03

Embedded Systems

In-house PCB design, firmware, sensor integration and telemetry.

04

AI and Autonomy

Onboard autonomy for mission planning and intelligent flight.

05

Secure Communication

Digital video, data links and field communication modules.

06

Engineering Solutions

Product design, rapid prototyping, 3D printing and R&D support.



03 — MAKE IN INDIA

Indigenous technology for a self-reliant India

We design and build our drones, electronics and software in India, in support of Make in India and Atmanirbhar Bharat.

BUILT IN-HOUSE

01 Airframes

Carbon-fibre and composite structures.

02 Electronics

Flight electronics, PCBs and firmware.

03 Software

Ground Control, Deco View and AI Vision.

04 Testing

Every platform flight tested before delivery.

WHY IT MATTERS

Security of supply

Fewer dependencies on imported systems.

Control of data

Hardware, firmware and software owned end to end.

Local support

An Indian team for customisation and repair.



04 — TECHNOLOGY AND R&D

Core technologies we develop

Our research focuses on the technologies that make unmanned systems smarter, safer and more reliable in the field.

FOCUS AREAS

01 AI and autonomy

Onboard intelligence for autonomous flight, detection and tracking.

02 GPS-denied navigation

Reliable navigation where satellite signals are jammed or unavailable.

03 Secure communication

Robust digital video, telemetry and control links.

04 Embedded electronics

Flight electronics, PCBs and firmware designed in-house.

05 Efficient airframes

Multirotor, coaxial and VTOL designs for range and payload.

OUR TECHNOLOGY STACK

- | | |
|----------|-----------------|
| 1 | Airframe |
| 2 | Flight control |
| 3 | Data link |
| 4 | Ground software |
| 5 | AI layer |



05 — OUR PRODUCTS

Built for the mission

Five Vision UAV platforms, a dual-safety payload system and our own control software, all designed and built in India.

05 — PRODUCT PORTFOLIO

The Vision family

Five UAV platforms for training, surveillance, long-range mapping and heavy-payload missions.



COAXIAL X8

Vision 4.0

12 kg MTOW · 5 kg payload · 50 min



FIXED-WING VTOL

Vision 3.0 VTOL

50 km range · 45 min · 1.2 kg payload



FOLDABLE QUADCOPTER

Vision 2.0

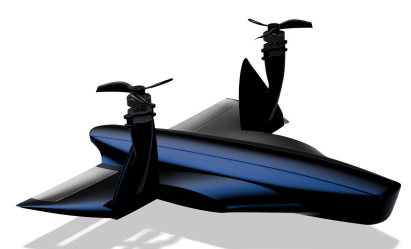
4 kg MTOW · 25 km range



TRAINING PLATFORM

Vision 1.0

1.8 kg MTOW · 25 min



NANO DRONE

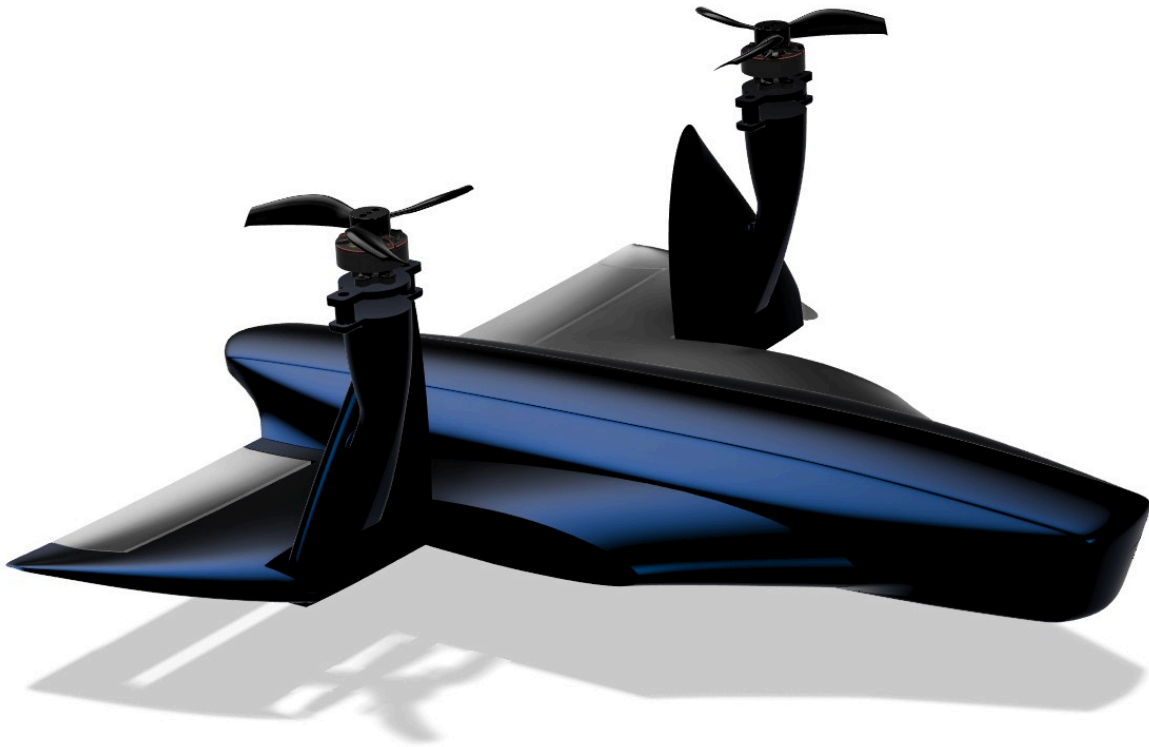
Vision Nano

250 g · 25 min · 20 MP

05 — PRODUCT PORTFOLIO

Vision Nano

Nano drone, 250 g class



250 g

Weight

25 min

Endurance

5 km

Range

20 MP

Camera

A compact 250 g drone with a 20 MP camera for video recording, recreational flying and training new pilots.

KEY FEATURES

Nano class

Compact, portable and easy to fly.

20 MP camera

High-resolution photos and video.

Pilot training

Suited to new pilots and programmes.

SPECIFICATIONS

Weight	250 g
Category	Nano
Endurance	25 min
Range	5 km
Camera	20 MP

Applications: Video recording, recreation, pilot training



05 — PRODUCT PORTFOLIO

Vision 1.0

Defence and training quadcopter

1.8 kg

MTOW

25 min

Endurance

2 km

Range

A robust carbon-fibre quadcopter for defence applications and drone-pilot training.

KEY FEATURES

Carbon-fibre X frame

Rigid, lightweight and field-ready.

Easy to deploy

Compact 1.8 kg platform.

Training-ready

Built for pilot training programmes.

SPECIFICATIONS

Type	Quadcopter (X)
Frame	Carbon fibre
MTOW	1.8 kg
Endurance	25 min
Range	2 km

Applications: Defence applications, drone-pilot training

05 — PRODUCT PORTFOLIO

Vision 2.0

Heavy-lift foldable quadcopter



4.0 kg

MTOW

25 km

Range

35 min

Hover endurance

500 g

Payload

A foldable carbon-fibre quadcopter for surveillance, artillery fire direction and training, with GPS-denied navigation and AI autonomy.

KEY FEATURES

DOAF system

Direction of Own Artillery Fire support.

GPS-denied navigation

Operates in contested areas.

AI autonomy

Autonomous flight and tasks.

Stabilised PTZ camera

Day and night monitoring.

SPECIFICATIONS

Configuration	Foldable quadcopter (X)
Frame	3K carbon fibre
MTOW	4.0 kg
Payload	Up to 500 g
Range	25 km
Wheelbase	690 mm
Flight time	25–30 min
Cruise speed	10–12 m/s
Wind resistance	8–10 m/s

Applications: Surveillance, DOAF, training, defence

05 — PRODUCT PORTFOLIO

Vision 3.0 VTOL

Fixed-wing VTOL UAV



50 km

Range

45 min

Endurance

70 km/h

Cruise speed

1.2 kg

Payload

Takes off and lands vertically, then cruises with fixed-wing efficiency. Built for long-range surveillance and mapping without a runway.

KEY FEATURES

VTOL configuration

No runway or launcher required.

Efficient cruise

Optimised airfoil for range.

Modular airframe

Quick mission changes.

GPS-denied and EW

Built for contested areas.

SPECIFICATIONS

Wingspan 1340 mm

Length 990 mm

AUW 1.5–3.0 kg

Payload Up to 1.2 kg

Battery 4S–6S Li-ion / LiPo

Flight modes Manual, Auto, Loiter, RTL

Applications: Surveillance, mapping, R&D, defence, training



05 — PRODUCT PORTFOLIO

Vision 4.0

Multi-mission coaxial UAV

12 kg

MTOW

5 kg

Payload

50 min

Flight time

35 km

Range

An X8 coaxial multirotor with eight motors for stable, redundant lift on heavy-payload, long-endurance missions.

KEY FEATURES

X8 coaxial layout

Stability and redundancy.

Open autopilot

PX4 / ArduPilot based.

Integrated link

Digital video and data, 10 km telemetry.

SPECIFICATIONS

Configuration	X8 coaxial
Frame	Carbon-fibre composite
Cruise speed	10 m/s
Wind resistance	17 m/s
Telemetry	Up to 10 km

Applications: Monitoring, remote sensing, survey, inspection, search and rescue

05 — PAYLOAD SYSTEMS

Dual-Safety Shell Dropping System

Payload release mechanism for unmanned aerial platforms



51 / 81 mm

Shell compatibility

2

Safety lock layers

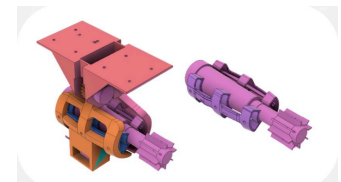
2

Servo motors

120 °C+

Heat resistant

A next-generation payload release mechanism for drones, engineered for reliability, safety and versatility. It supports both 51 mm and 81 mm shells, with advanced safety features and high-temperature resistant materials.



3D design model

KEY FEATURES

Dual safety locking

Bracket and housing locks, two independent layers.

Dual servo motors

Synchronised servos with redundant actuation.

Gravity opening

Smooth, stable release even in dynamic flight.

High-temperature resistant

ASA brackets withstand over 120 °C.

Integrated parabola module

Consistent, reliable motion in high heat.

High durability cycle

Built for extended life and repeated use.

Compatibility: 51 mm shell (with modular bracket), 81 mm shell (without bracket)

Applications: Defence and military operations, aerial payload delivery, tactical missions, training and simulation

06 — SOFTWARE SUITE

Software that powers every mission

Our own software for planning, controlling and automating drone operations, from desktop to phone.



DESKTOP

Decouvertes Ground Control

Plan, fly and monitor missions across the Vision range.

Waypoint mission planning

Real-time telemetry

Live video and payload control

Flight logs



ANDROID

Deco View

Lightweight ground control on an Android phone for quick field use.

Runs on Android phones

Live video and telemetry

Pre-flight checks

Simple mission control



AI

AI Vision

Intelligent control for autonomous drones that see, decide and act.

Object detection and tracking

Autonomous navigation

Intelligent mission modes

Built for Vision platforms

ONE CONNECTED ECOSYSTEM

1

Vision UAV platforms

Nano, 1.0, 2.0, 3.0, 4.0

2

Secure data link

Telemetry, video, control

3

Decouvertes software

Ground Control, Deco View, AI Vision



07 — APPLICATIONS

Where our systems are used

From defence operations to training, each Vision platform is matched to the mission it serves.

01

Defence surveillance

Observation and reconnaissance, including GPS-denied areas.

Vision 1.0, 2.0, 3.0

02

Artillery fire direction

Observation support for directing own artillery fire.

Vision 2.0

03

Mapping and survey

Long-range coverage for mapping and remote sensing.

Vision 3.0, 4.0

04

Infrastructure inspection

Close inspection of structures and assets.

Vision 2.0, 4.0

05

Search and rescue

Heavy payload and long endurance for search.

Vision 4.0

06

Training and education

Pilot training and recreational flying.

Vision Nano, 1.0, 2.0



08 — DEFENCE ENGAGEMENT

Working alongside defence teams

Our engineers work directly with defence personnel through demonstrations, training and field trials.

01

Live demonstrations

Platforms shown and flown for defence teams on site.

02

Operator training

Hands-on sessions from assembly to mission flying.

03

Field trials

Testing in real conditions alongside end users.

04

User-driven design

Feedback from the field built into every update.

OUR COMMITMENT

Indigenous systems, built in India and refined with the people who use them in the field.

09 — SERVICES AND SUPPORT

Support from training to deployment

We stay with our customers beyond delivery, with training, customisation and long-term support.



01 Operator training

Hands-on training for teams operating Vision platforms.

02 Custom development

Airframes, payloads and software adapted to your mission.

03 Maintenance and repair

Servicing, spares and repairs by our in-house team.

04 Upgrades

Firmware, software and hardware upgrades over time.

WAYS TO WORK WITH US

Product supply

Ready-to-fly platforms with training.

Custom projects

Systems built around your mission.

Training programmes

For teams and institutions.

R&D collaboration

With research and industry partners.



10 — OUR TEAM

The people behind Decouvertes

A young, multidisciplinary team of engineers who design, build and fly every Vision platform.



Omprakash Soni
Chairperson



Shivam Soni
Founder & Director



Natasha Soni
Chief Financial Officer

EXPERTISE

Airframe and aerodynamics

Flight control and autonomy

Embedded hardware and firmware

RF and secure communication

Mechanical design and 3D printing

UAV operations and training

Let's build what's next.

For product demonstrations, tenders, partnerships and custom development, contact our team.

ADDRESS

A-414, Gera's Imperium Gateway,
Near Nashik Phata, Pune,
Maharashtra 411034, India

PHONE

+91 95611 03435

EMAIL

hello@decouvertes.in

WEBSITE

www.decouvertes.in



INSTAGRAM



LINKEDIN

INNOVATION
AUTONOMY
A SAFER TOMORROW