

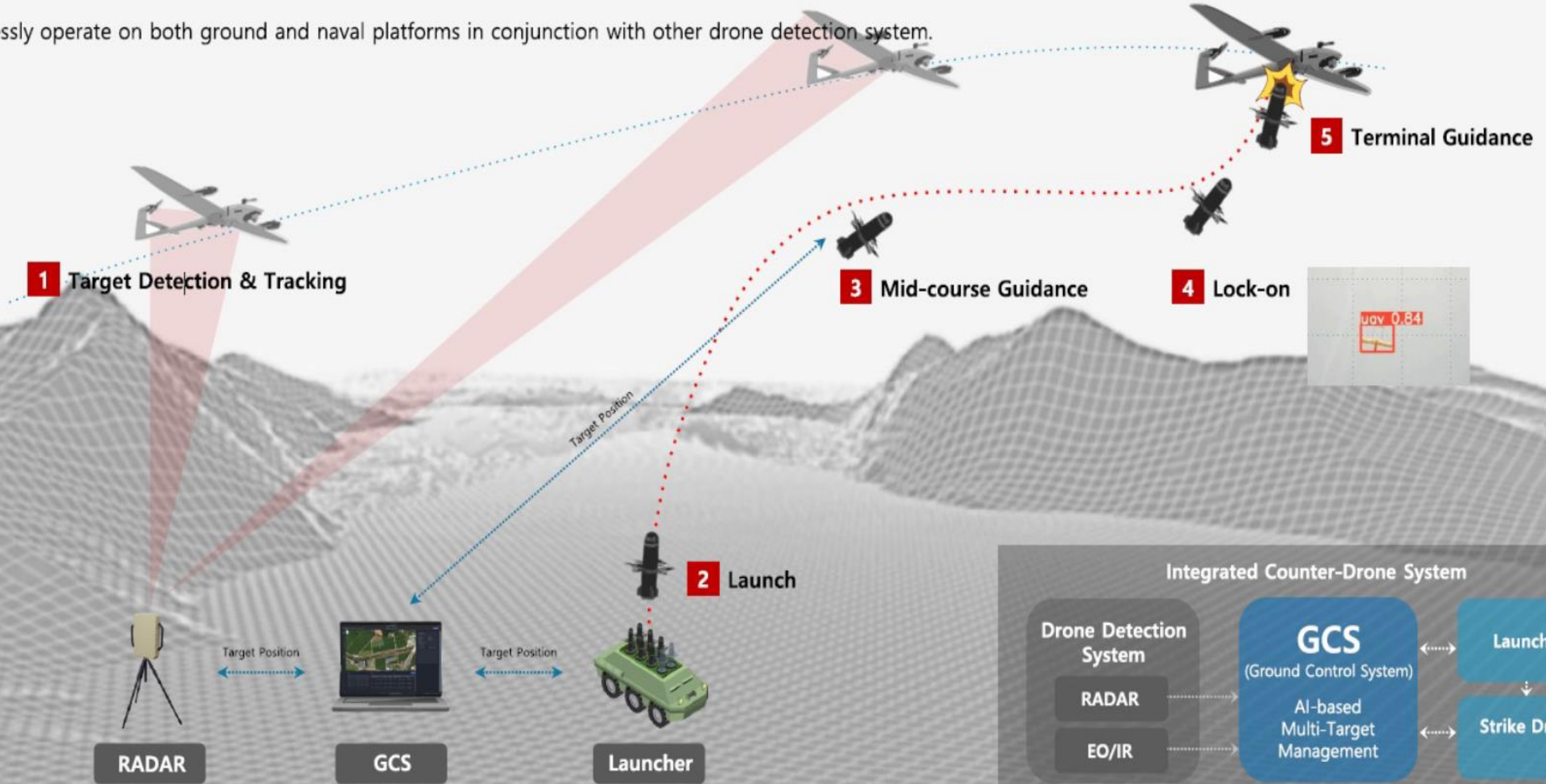
C-UAS(Counter Unmanned Aerial System) Solution



CONCEPT OF OPERATIONS

Counter-UAS Hard kill Solution

Seamlessly operate on both ground and naval platforms in conjunction with other drone detection system.



'KINETIC INTERCEPTOR' HIGH-SPEED COUNTER-UAS DRONE.

A **350 km/h** counter UAS/Aircraft platform, operating 'kinetically' i.e. direct impact, or with a 1 or 1.5 kg explosive payload.

RAPID, DECISIVE DRONE NEUTRALIZATION

Delivers swift, decisive kinetic strikes to effectively neutralize drones and their payloads.

AI-POWERED PRECISION TARGETING

Employs precision-guided autonomous flight with AI-driven target recognition, providing real-time FPV(First-person View) feedback and accurate drone elimination, enabling effective neutralization of aerial and ground threats.

VERSATILE THREAT RESPONSE

Features dual-mode capability for both kinetic and explosive strikes, adaptable to single drones or swarm formations.

A rapidly deployable battery of counter UAS/aircraft drones at a fraction of traditional Counter Drone or even Anti-Aircraft missile systems price point. '\$ per target' value is unmatched.



KINETIC INTERCEPTOR

MASTER MISSIONS AT SPEEDS UP TO 350 KM/H

Designed with cutting-edge battery and rotor technology for rapid, high-speed maneuvers, Sensortec C-UAS reaches speeds of up to 350 km/h with a lightweight build, ensuring superior agility. It also supports an additional 1 kg of explosives for precise mid-air detonations.

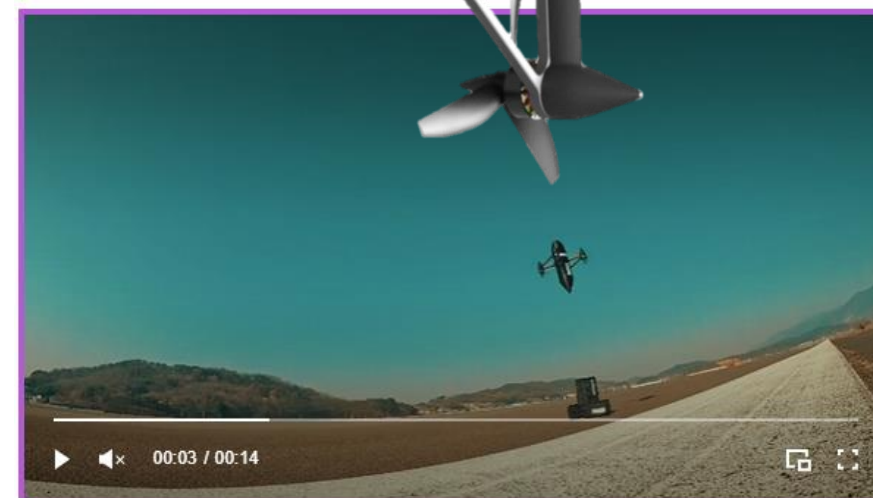
AUTONOMOUS FLIGHT AND FPV MODE

ENSURES SEAMLESS PROTECTION FOR BOTH AERIAL & GROUND SAFETY

Leveraging advanced guidance algorithms, Sensortec C-UAS calculates exact interception trajectories from target flight path analysis for pinpoint accuracy. Sensortec C-UAS supports both autonomous flight and FPV (First-person View) modes, allowing precise strikes on aerial and ground targets.

Specification	Class 1	Class 2
Size	322 x 230 x 230 mm	320 x 320 x 500 mm
Weight	2 kg	5 kg
Extra Payload Capability	1 kg	6.5 kg / 1.5 kg
Max Horizontal Speed	250 km/h	350 km/h
Max Horizontal Range	5 Km	5 Km
Operational Ceiling	3 Km	3 Km
Operating Time	Max 10 minutes	Max 10 minutes+
Operational Temp. Range	-10°C to 40°C	-20°C to 45°C

*Class-1 and Class-2 are classified according to payload capacity and operational range.



SECURITY BEYOND LIMITS

In the few years since 2000, SensorTec has grown into an international company that it is today. We are among the most innovative technological companies in the world, manufacturing and developing intelligent security and surveillance solutions specifically for largescale projects for military, law enforcement, public authorities and private sectors.

We believe that serving the needs of our clients efficiently can only be achieved by delivering complete solutions. In order to achieve that, we design and manufacture all the critical components of our systems, including hardware, software and embedded computer vision. Our entire product range is manufactured and developed in accordance with the highest quality requirements.

KEY FIGURES

300+

TECHNICAL SUPPORT ENGINEER AND TECHNICIAN

4

BRANCHE OFFICES

HQ and Manufacturing Facilities:
Cambridgeshire, UK.
Budapest, Hungary.

Sales and Technical Support Offices:
Dubai, UAE.
Riyadh, KSA.

SensorTec provides integrated solutions, which combine a wide range of devices, sensors, and software, such as surveillance cameras, surveillance radars, video analytic software and C3. All of our solutions are designed to work in harmony and provide a comprehensive multi-layer approach to deliver situation awareness and interactive intelligence.



END-TO-END
SENORTEC SOLUTIONS



Borders
Video Surveillance



Airports
Video Surveillance



Seaports
Video Surveillance



Critical Infrastructure
Video Surveillance



Safe & Smart City
Video Surveillance



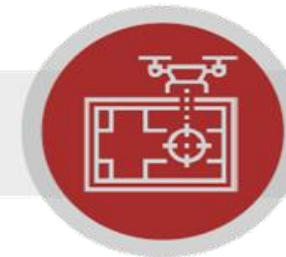
Stadiums & Crowds
Video Surveillance



Traffic Management
& Violations Detection



Highway
Video Surveillance



Anti-Drone/UAV
Intelligent System



Mobile (In-Vehicle)
Video Surveillance

SELECTED INTERNATIONAL REFERENCES

BORDERS SURVEILLANCE AND SECURITY

Hungarian Land Borders - Hungary.
Egyptian Land and Sea Borders - Egypt.
Kuwaiti Land and Sea Borders - Kuwait.

AIRPORTS SURVEILLANCE AND SECURITY

LaGuardia Airport - New York.
Hungarian Airport - Hungary.
Mumbai Airport - India.
Turkish Airport - Turkey.
Alexandria Airport - Egypt.

SEAPORTS SURVEILLANCE AND SECURITY

Hungarian Waterway - Hungary.
Sea Ports - Kuwait.
Sea Port - UAE.

CRITICAL INFRASTRUCTURE SECURITY

Ministry of Defense - Egypt.
Egyptian Monument Authorities - Egypt.
Manarat Al Saadiat Cultural Museum - UAE.
Private Palace - Kuwait.
Saudi Arabia Embassy - Geneva.



CITY SURVEILLANCE AND SECURITY

Delhi City - India.
Luxor City - Egypt.
Sharm El Sheikh City - Egypt.
Cairo City - Egypt.
Port Saeed City - Egypt.

STADIUMS AND CROWDS SURVEILLANCE

Manchester City Stadium - UK.
Budapest Szusza Ferenc Stadium - Hungary.
Rijeka Stadium - Croatia.
Beşiktaş Stadium - Turkey.
Atatürk Olympic Stadium - Turkey.
Fenerbahçe Şükrü Saracoğlu Stadium - Turkey.
Luzhniki Stadium Moscow - Russia.
Spartak Moscow - Russia.
Mecca Religious Sites - KSA.
Dubai Festival Plaza - UAE.
Pyramids Touristic Area - Egypt.

TRAFFIC LAW ENFORCEMENT

Traffic Management And Violation Detection - Cairo, Egypt.
Traffic Management And Violation Detection - Kuwait.
Traffic Management - Armenia.
Traffic Management - Hungary.

UAS THREAT

Recent global conflicts such as the Russian-Ukraine and Palestinian-Israeli wars have demonstrated the widespread use of unmanned aerials (UAVs), playing a pivotal role in ISR missions, as well as performing direct combat roles, heightening concerns in both military and civilian airspace.

As the usage of UAS has expanded, new threats such as unauthorized surveillance, privacy violations, airspace obstruction, espionage, smuggling, and terrorist acts are emerging problems which the world faces.

- 53.9% attacks were by Iranian-affiliated militia.
- 50.8% Attacks were successful.
- 7.3% Attacks were intercepted by defensive measure.
- MENA 91.62% / Americas 2.58% / Europe 1.34% / Asia 4.46%.
- Mexico shows upsurge attempts by the drug cartels, 0 attempts in 2020 to 22 attempts in 2023.

Figure 1. Number of Attacks by Year

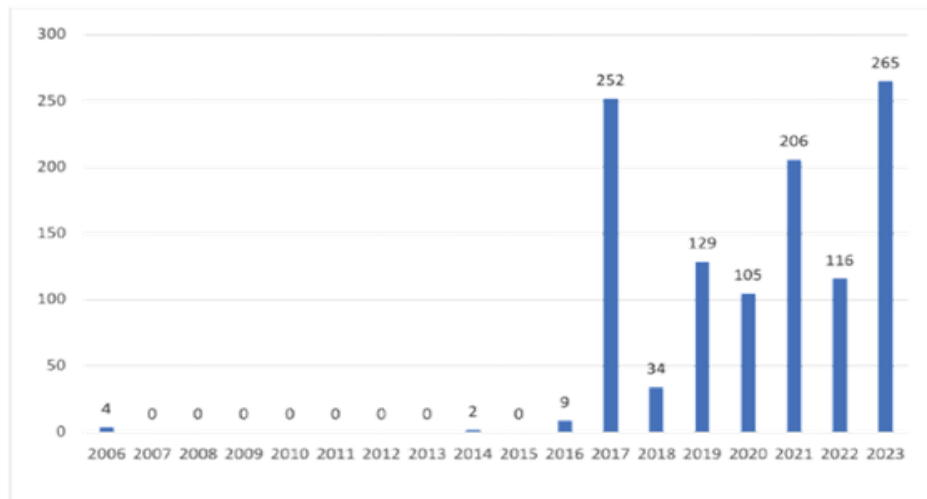
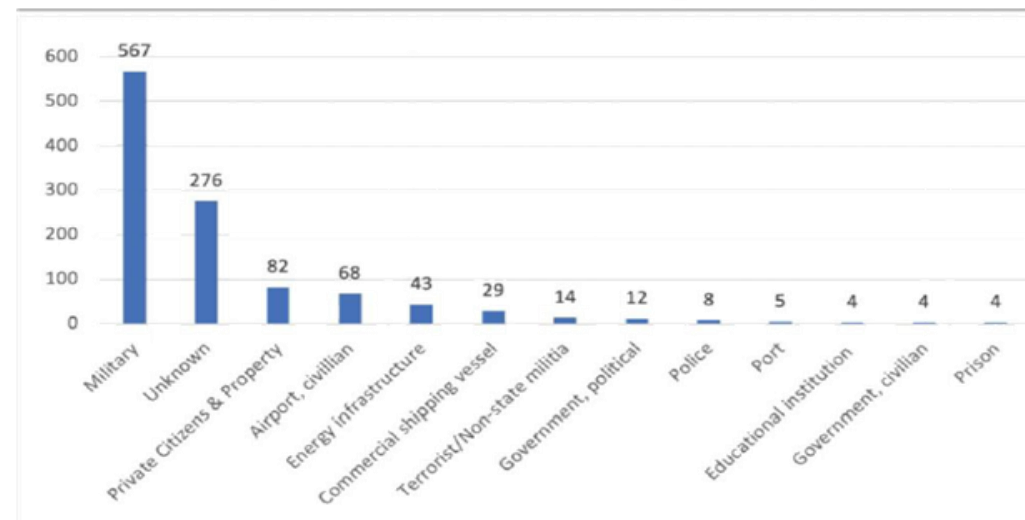


Figure 5. Number of Attacks by Target Category



C-UAS MARKET OVERVIEW

Counter UAS systems have become a priority for many military and government agencies, as well as critical infrastructure facilities such as airports, seaports, power plants, and government buildings. The C-UAS market size was estimated at \$1.6 billion in 2024 and is expected to grow to \$2.1 billion in 2025 and then grow at a CAGR of 24.7% until 2034 to form a \$14.6 billion market.

DETECTION VS. INTERCEPTION PROPORTION BY USE CASE

Usage	Detection %	Interception %	Primary Methods
Battlefield C-UAS	50-60%	40-50%	Radars, EW Jamming, Hard Kill (Missiles/Lasers/Guns)
Urban Protection	70%	30%	RF Sensors, AI Filtering, Soft/Hard Kill
Border Security	60%	40%	Radars, RF Jamming, Soft/Hard Kill

UAS THREAT CATEGORIES

TARGET MARKET

The fastest growing threats to securities are UAS group 1,2 and 3.

Category	Weight (lbs)	Speed (kts)	Normal Operating Altitudes (ft)	Threat & COTS, Examples
Group 1: micro/mini UAS	0 - 20	<100	< 1,200 AGL	DJI MAVIC, Enterprise
Group 2: small tactical	21 - 55	101 - 250	< 3,500 AGL	SKY-09Ps
Group 3: tactical	56 - 1,320	101 - 250	< FL 180,000 MSL	Shahed
Group 4: Strategic or theater	> 1,320	Any speed	< FL 180,000 MSL	Forpost
Group 5: Strategic	> 1,320	Any speed	> FL 180,000 MSL	Wing Loong II

CONCEPT OF OPERATIONS

DETECT

- Via radar/electromagnetic, visual aircraft recognition, or procedural detection
- Early Engagement.

TRACK AND IDENTIFY

- Target identification via radar/electromagnetic, visual aircraft recognition, or procedural methods.

DEFEAT

- Kinetic/non-kinetic response
- Rules of engagement
- Report

SENSORTEC C-UAS SOLUTIONS PRODUCT BENEFITS

SPEED

Operates at speeds of up to 250 km/h, enabling rapid neutralization of aerial threats.

COST EFFECTIVENESS

Significantly Reduced Operational Costs:

Achieve UAV interception at a fraction of the price of traditional methods, representing a significant reduction in cost compared to ground to air missiles for example which have a value of approx. \$300,000 per interception.

HUMAN-IN-THE-LOOP CONTROL

Enhanced Precision with FPV Mode:

Enables operators to engage ground targets precisely using FPV(First-Person View) mode, integrating loaded explosives for targeted strikes.

AUTONOMOUS FLIGHT OPERATION

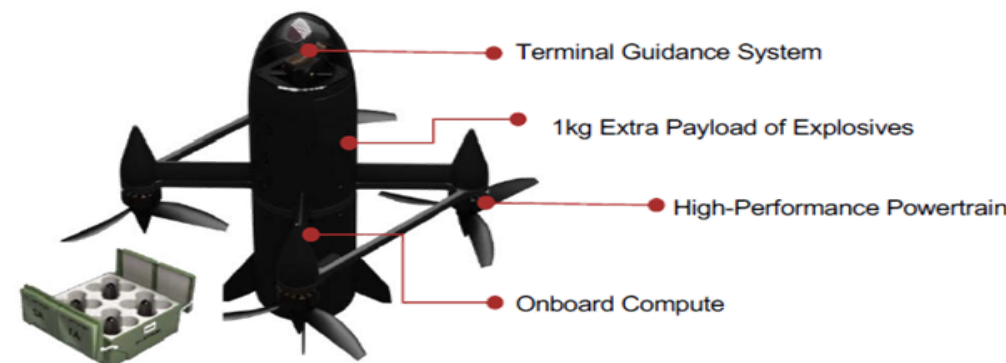
Advanced AI-Driven Autonomous Strike Capability:

Equipped with an Onboard AI Vision Seeker, the system supports fully autonomous flight and strike missions, minimizing the need for human intervention.

RAPID DEPLOYMENT CAPABILITY

Technology Readiness Level 8 (TRL 8):

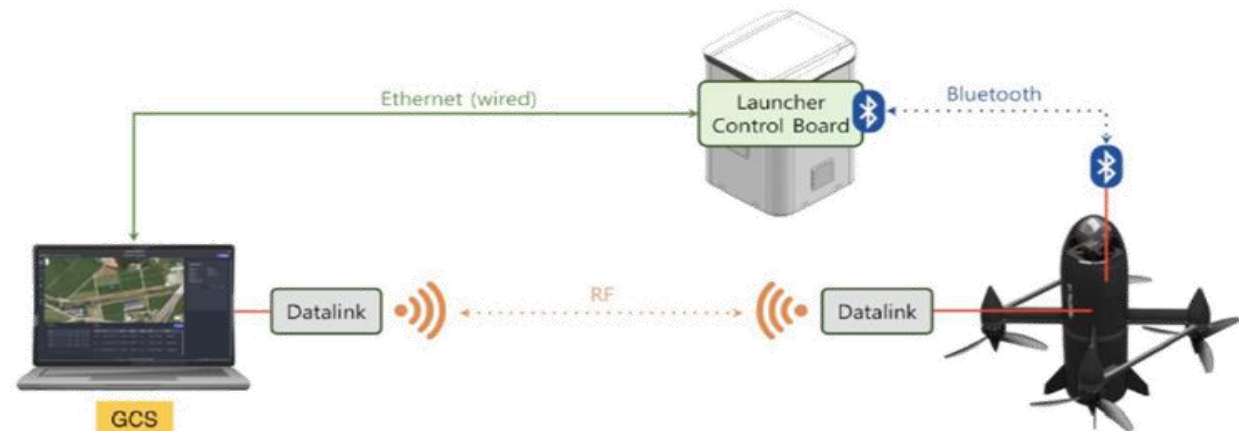
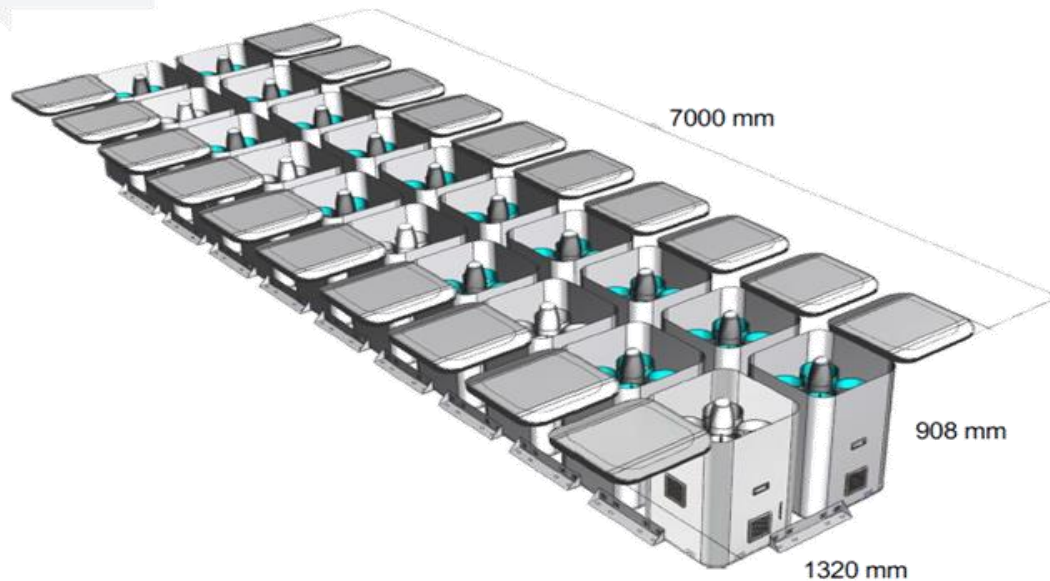
The system is fully developed and ready for immediate deployment, ensuring swift operational readiness and response.



Specification	Details
Size	322 x 230 x 230 mm
Weight	2 kg
Extra Payload Capability	1 kg
Max Horizontal Speed	250 km/h
Max Horizontal Range	5,000 m
Operational Ceiling	1,000 m
Operating Time	5 minutes+

SENSORTEC C-UAS LAUNCHER

Efficiently deployable as single or multiple units, the launcher ensures rapid and reliable reaction to drone threats with seamless integration.





APAC Surveillance
Area Perimeter Asset Control