



Defense
Drone Art Show
Inspection
Smart City

Limits, Redefined.

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CG-AC

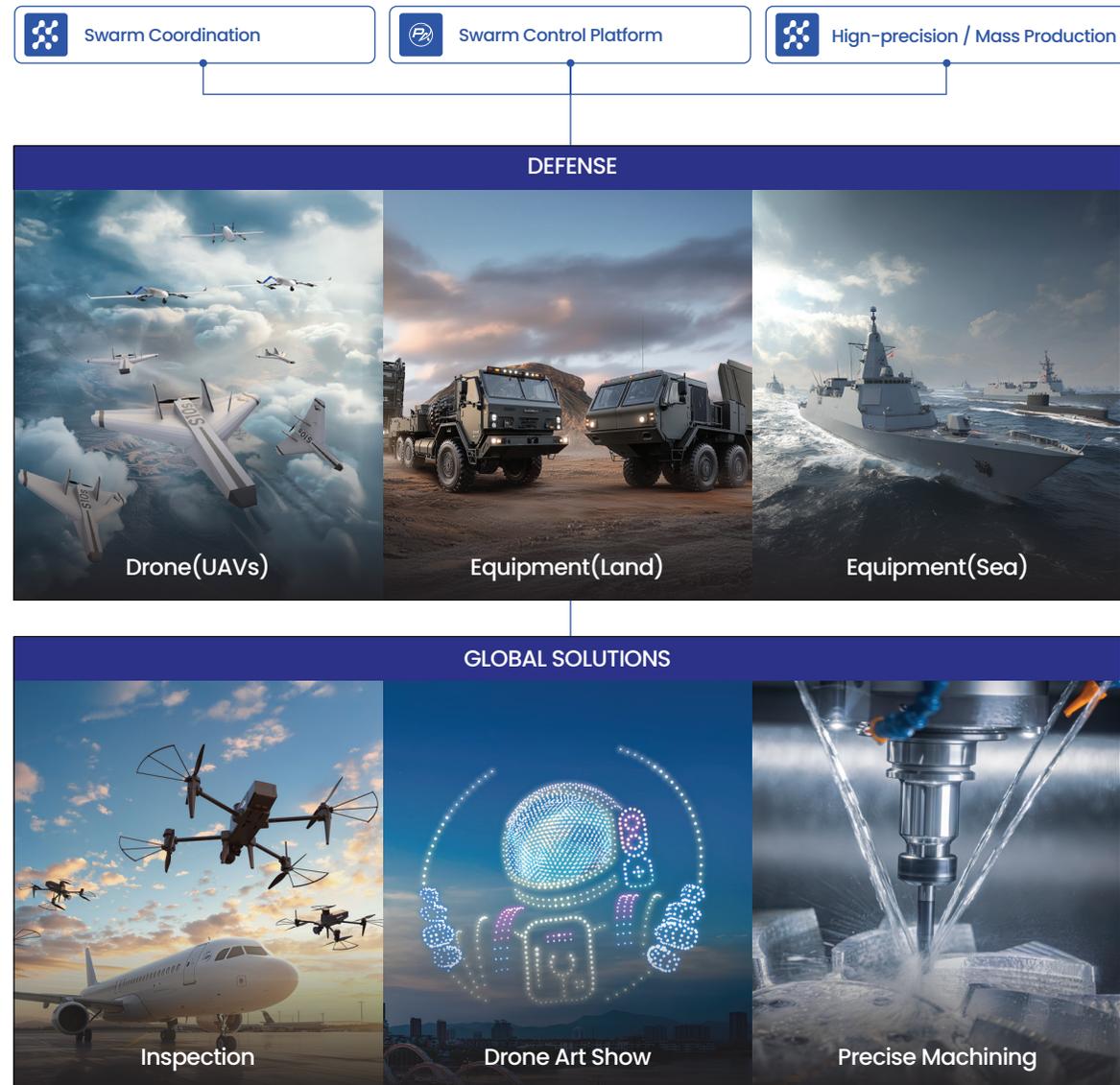
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We connect people and the world through intelligent swarm technology. By bridging the boundaries between technology and art, everyday life and industry, we are redefining how the world connects—across the sky, the land, and the sea.

Through Expansion of Swarm Technology, We Continue to Redefine Limits and Create a New Future

Through our advanced swarm coordination technology, PABLO AIR provides customized solutions across defense, culture, and commercial industries - pioneering an innovative and sustainable mobility ecosystem. With this vision, we are advancing toward becoming a leading platform company in unmanned systems.



2018

FOUNDED

270+

EMPLOYEES

75M+ USD

INVESTMENT

29M+ USD

REVENUE

* Selected as an Innovation Icon by Korea Credit Guarantee Fund, securing USD 14M in guarantees

*As of 2024

Strategic Investors



Investors



PARTNERS(Defense)



Partners

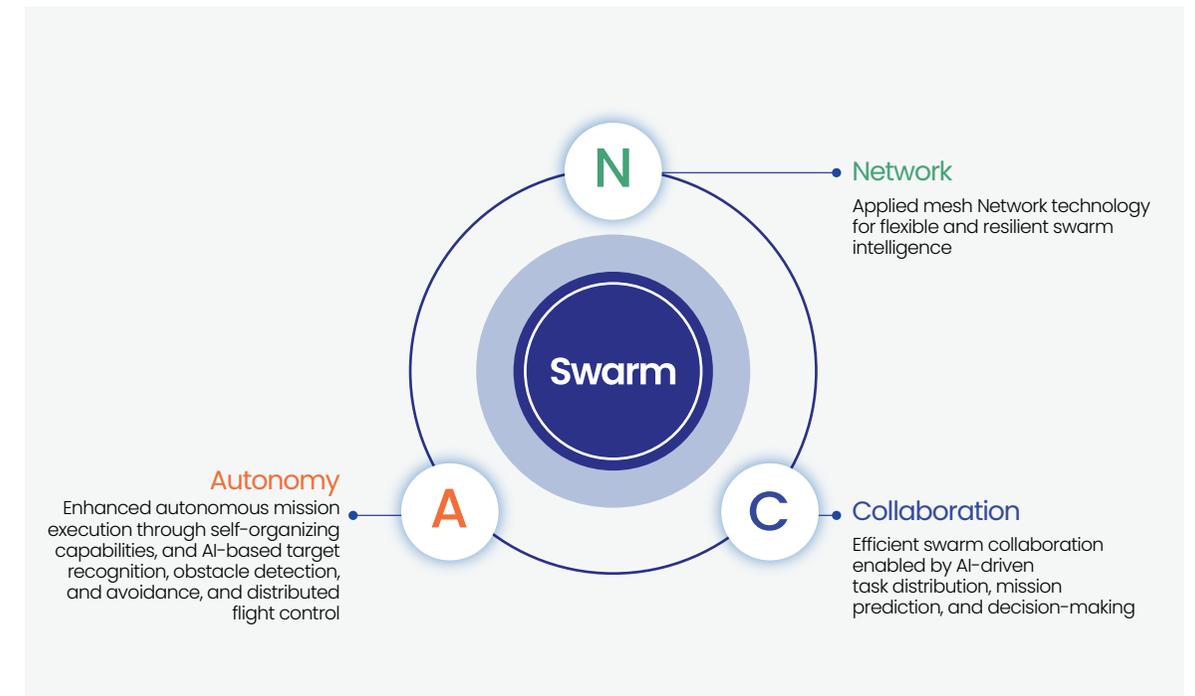


Swarm Coordination Technology

To implement PABLO AIR's 'Swarm Coordination' technology, our proprietary Swarm Intelligence Software serves as a platform that enables multiple unmanned aerial vehicles to collaborate intelligently in executing a common mission.

Advancing Swarm Intelligence Through Swarm Coordination Technology

Even without assigning individual commands to each aircraft, every UAV controlled by the Swarm Intelligence Software autonomously determines its own flight path and executes decisions to accomplish a unified mission most efficiently.



Levels of Swarm

Levels of Swarm are classified from 0 to 5 based on the degree of NCA technology implementation.

	LV.0	LV.1	LV.2	LV.3	LV.4	LV.5
	1	N	N	N _f	N _{sw}	N _{sw1} N _{sw2}
군집 수준	No Swarming	Operator Assistance	Centralized Swarming	Conditional Swarming	High Swarming	Full Swarming
Operator per UAS	1(RPIC) : 1(UAS)	1(RPIC) : n(UAS)	1(Safety Pilot) : N(UAS)	1(Safety Pilot) : N(UASSw)	M(SwS) : Nsw(UASSw)	M(SwS) : M2(SwS)
Observer	N/A	N/A	Low Complexity /Large Scale	Mid Complexity /Mid Scale	High Complexity /High Scale	Swarm to Swarm
Network	No Mesh (1:1)	No Mesh (1:n)	No Mesh (1:N)	Partially Mesh (1:NL:NF)	Fully Mesh (M:NSw)	Mesh to Mesh (NSw1: NSw2)
Collaboration	Auto or Manual Control	Centralized Control	Centralized Swarm Control	Decentralized Swarm Control with Leader(s) & Follower(s) and/or DAA	Decentralized Swarm Control	Distributed Swarm Control
Autonomy	None	None	None	Decentralized	Highly Self-organized	Fully Self-organized
					Swarm Intelligence	
					AS-IS TO-BE	

PabloM

Representing PABLO AIR's defense portfolio, the PabloM series forms the foundation of a next-generation military swarm-drone combat system that will redefine future battlefield paradigms.



Swarm Loitering Munition Drone (Strike)

- Simultaneous and Time-Phased High-Angle Swarm Loitering Munition Attacks
- Self-Powered Launch from Dedicated Launch Mounts
- AI-Based Swarm Flight, Terrain-Referenced Navigation, and Vision-Based Terminal Guidance
- Low-Cost, Rapid Mass Production
- Rapid Replacement of Modular Mission Payloads



Swarm Reconnaissance Drone

- Efficient Surveillance and Reconnaissance through Swarm Operations
- Wide-Area Missions with Long-Endurance Flight Capability
- Rapid Information Sharing via Mesh-Based Data Links
- Mission-Dependent Modular Main Wing Architecture (Interoperable between R20s and S20s)



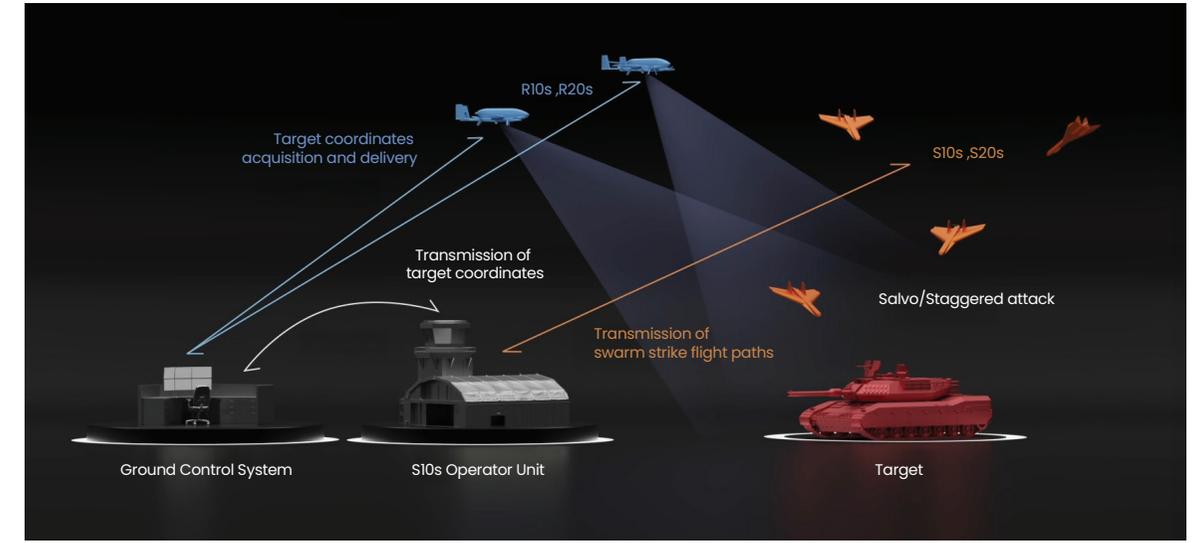
Swarm Interceptor Drone (Counter)

- Counter-UAS (Air-to-Air) Hard-Kill Missions
- Structured Interception Plans for Medium- and Short-Range Engagements
- High-Speed Operations Enabled by Swarm Intelligence and Vision AI
- Self-Powered Launch Capability Using Dedicated Mounts (C10s) and Dedicated Launch Cases (C05s)



Swarm Drone Combat System

PABLO AIR has established a three-pillar framework—reconnaissance, strike, and interception—optimized for future battlefields, spanning loitering munition attacks against ground targets to counter-drone interception using unmanned systems powered by swarm AI.



Swarm Reconnaissance and Strike System

Swarm reconnaissance drones (R10s/R20s) provide persistent surveillance, collecting real-time target intelligence during extended flight operations. Based on this data, ground control systems deploy swarm loitering munitions (S10s/S20s), which autonomously generate flight paths and engage designated targets. Multiple loitering munitions conduct coordinated Salvo Strikes, simultaneously attacking from multiple directions to maximize effects relative to payload weight. Mission flexibility is further enhanced through combined operations with higher-payload variants such as the S20s (up to 5 kg). The R20s and S20s share a common airframe with modular wing configurations, enabling rapid mission transition in time-critical combat environments.

- Maximized combat capability through swarm operations
- Modular mission payloads enabling rapid replacement
- Cost-efficient and rapid mass production
- AI-based automatic path generation and terminal guidance



Swarm Interceptor Drone System

Upon detection of an airborne intruding target, an optimized interception system activates by engagement range medium (30km) or short (10km) deploying Counter-UAS Hard-Kill drones that autonomously launch from dedicated launchers, intercept targets through Vision AI swarm operations.

- Vision AI optimized for hard-kill missions
- Tiered interception missions based on engagement range
- Maximized combat capability through swarm operations

Supply of Critical Maritime Combat System Equipment

Backed by a range of advanced manufacturing equipment and experienced specialists, we are capable of delivering finished systems through a turnkey solution. We develop and produce in-house the system cabinets and multifunction consoles that serve as the brains of maritime combat systems.

Combat System – System Cabinet



Purpose & Key Functions

Provides sufficient mounting space and interfaces to protect components from internal and external elements, and operates in integration with various weapons, sensors, radars, and shipboard systems.

Key Products / Programs

FFX-III / FFG-II / PKMR / KDX-I(PIP) / LPH-II / ATX / PN FRIGATE / KDDX



Combat System – Multifunction Consoles & Others



Purpose & Key Functions

Delivers operator-customized interfaces for rapid response in tactical operations such as command & control, weapon assignment, and system control. Consoles feature vibration and shock mitigation for stability.

Key Products / Programs

FFX-III / KSS-III Batch-I / II

Localization of Defense Equipment and Components

Leveraging drive-control and precision manufacturing, we deliver durable land-based weapon system equipment. We develop and manufacture in-house various combat support equipment, including load platforms for Ribbon Bridge II and integrated cabinets for multifunction radar systems.

Ribbon Bridge II Load Platform



Purpose & Key Functions

Using winch and hydraulic equipment, both bridge and ramp bays can be loaded onto the vehicle without distinction.



Heat Exchanger

A mission-critical component that directly determines equipment reliability and performance across industries such as aerospace, defense, and energy, incorporating a fin-and-tube water-cooling system to maximize cost efficiency.



Pan-Tilt

A drive platform enabling precise pan and tilt control for sensors, cameras, and optical equipment, representing a core field-of-view control technology directly linked to system performance.



About PABLO AIR
Working from 2018
until now



A new integrated combat system using swarm technology spanning air, sea, and land mobility.

PABLO AIR aims to evolve into a global platform company for unmanned systems, building on our leading swarm-coordination and flight-control technologies, and proven precision-manufacturing capabilities. We are capable of handling everything in-house, from technology development and enhancement to combat-system design and manufacturing high-quality finished products.

PabloS Inspection

PABLO AIR delivers an aircraft exterior inspection solution that maximizes safety and efficiency using next-generation swarm-drone technology. PabloS, where the “S” represents Survey, Scan, and Safety, offers the following capabilities:



InspecX



- Co-developed with Korean Air, recipient of the CES 2026 Innovation Award®
- Adaptive mesh network for real-time comms and decisions
- LiDAR-based SLAM for operation in GNSS-limited environments
- AI-powered processing for micro-defect detection and reporting
- Intuitive UI designed to be used by experts and non-experts alike

Drone – Robot Hybrid Inspection Platform



A Hybrid Inspection Platform, Integrating Swarm AI Drones and Robotics

The “Drone–Robot Hybrid Inspection Platform” overcomes the limitations of standalone drone operations, including restricted mission duration and mobility constraints in specific operational environments. By doing so, it establishes a new standard in the rapidly growing inspection sector, addressing surging demand across a wide range of industrial processes—from facility inspection to quality control.

PabloX Drone Art Show

PabloX, PABLO AIR’s brand for drone art shows, goes beyond traditional LED-only displays to deliver immersive performances that combine fireworks, water effects, and other spectacular elements.



PabloX F40

A pyro drone show platform optimized for pyrotechnics, based on patented technology and recognized by the Guinness World Records.

Korea’s only Guinness World Record pyro drone show company

PABLO AIR continues to expand the possibilities of drone shows with multimedia performances, daytime smoke drone shows, tower-fireworks drone shows, and aqua drone shows.



PabloX A20

Korea’s first autonomous unmanned water cluster drone.



PabloX G10

A multi-cue pyro drone capable of a large scale pyrotechnic displays.

UAM

PABLO AIR provides total aircraft management solution leading the UAM era

- Developed UAM traffic management platform (with LGU+) UrbanLinkX has been honored with the CES 2024 Innovation Award in the Smart City category
- Developed operating system for vertiport operation (with GS E&C)

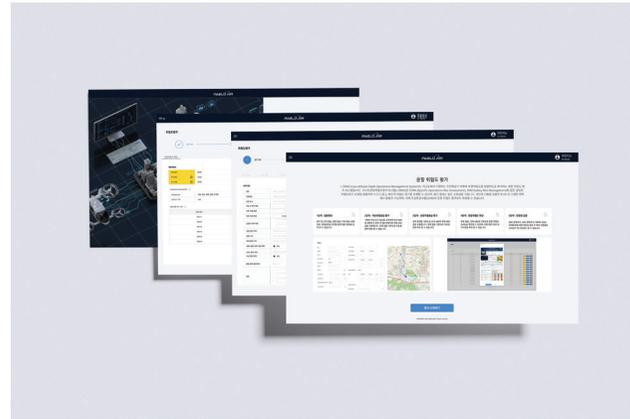


L-ORAS

Low-Altitude Flight Operations Risk Assessment System

L-ORAS evaluates and analyzes the operational risk of low-altitude unmanned aerial system by applying accredited assessment models (EASA SORA, FAA SRM).

With its user-friendly design, anyone can quickly and easily evaluate flight safety without needing expert knowledge. By identifying potential risks before flight, L-ORAS helps ensure safer and more reliable flights.



Delivery

Key Projects in Drone Delivery

- 2024 Drone Demonstration City – Incheon
- 2023 Drone Demonstration City – Yeongwol
- 2022 First Drone Delivery Center – Gapyeong (7-Eleven)
- 2022 Drone Sandbox Project – MOLIT
- 2020 Set a new record for the longest drone delivery overseas (80.6 km)



USA branch establishment (2021)

- 2025 Netflix RAM Fireworks Drone Show
- 2024 LA Dodgers Drone Show & LA Cai Show
- 2024 FAA Flight Approval for PabloX F Series
- 2024 Exported 1,200 PabloX F40 Show Drones
- 2024 MOU with Pyro Spectaculars
- 2022 Joined Advanced Air Mobility Alliance
- 2022 New York State Drone Delivery Demonstration
- 2022 Participated in NASA Urban Air Mobility Safety Project



Limits, Redefined.

Company	PABLO AIR CO., Ltd.
Chairman & Founder	Kim Young-Joon
Date of Establishment	2nd August 2018
Business Areas	Autonomous swarm control & hardware / Defense components & ultra-precision machining

Location	HQ	5F, 82, Venture-ro, Yeonsu-gu, Incheon, ROK
	R&D	(Daejeon) 48, Yuseong-daero 1184beon-gil, Yuseong-gu, Daejeon, ROK (Gwangmyeong) 67 Saebitgongwon-ro (Xi-Tower A-25th Floor), Gwangmyeong-si, Gyeonggi-do, ROK
	Manufacturing Center	(Songdo) #2004, 30, Songdomirae-ro, Yeonsu-gu, Incheon, ROK (Gimpo) 55, Hwanggeum 1-ro 80beon-gil, Yangchon-eup, Gimpo-si, Gyeonggi-do, ROK (Changwon 1) 85, Jukjeon-ro, Uichang-gu, Changwon-si, Gyeongsangnam-do, ROK (Changwon 2) 2 Gomjeol-gil 28beon-gil, Seongsan-gu, Changwon-si, Gyeongsangnam-do, ROK
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