



Inspection Beyond Limits

We design products and operational solutions that enable stable inspection missions even in extreme environments where GNSS availability is limited.



Swarm AI-Driven Efficiency & Endurance

Leveraging advanced swarm AI technology and heterogeneous mobility collaboration, we maximize efficiency and endurance in inspection operations.



Supply-Stable, Sustainment Manufacturing

With mass-production capabilities covering design, assembly, and quality verification, we ensure stability across supply chain management and long-term product sustainment.



End-to-End Inspection Training

We provide comprehensive training services covering the entire PABLO AIR inspection solution—from product operation to software utilization—even for customers with no prior inspection drone experience.

Head Office

5F, 82, Venture-ro, Yeonsu-gu, Incheon, ROK

USA

3135 Kashiwa St. Torrance CA 90505, USA

R&D Center

(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, Yangcheon-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

Office

(Seoul) #317-8, 57, Magokjungang 8-ro 7-gil, Gangseo-gu, Seoul, ROK



CG-AC

Tel +82 070-5222-6968

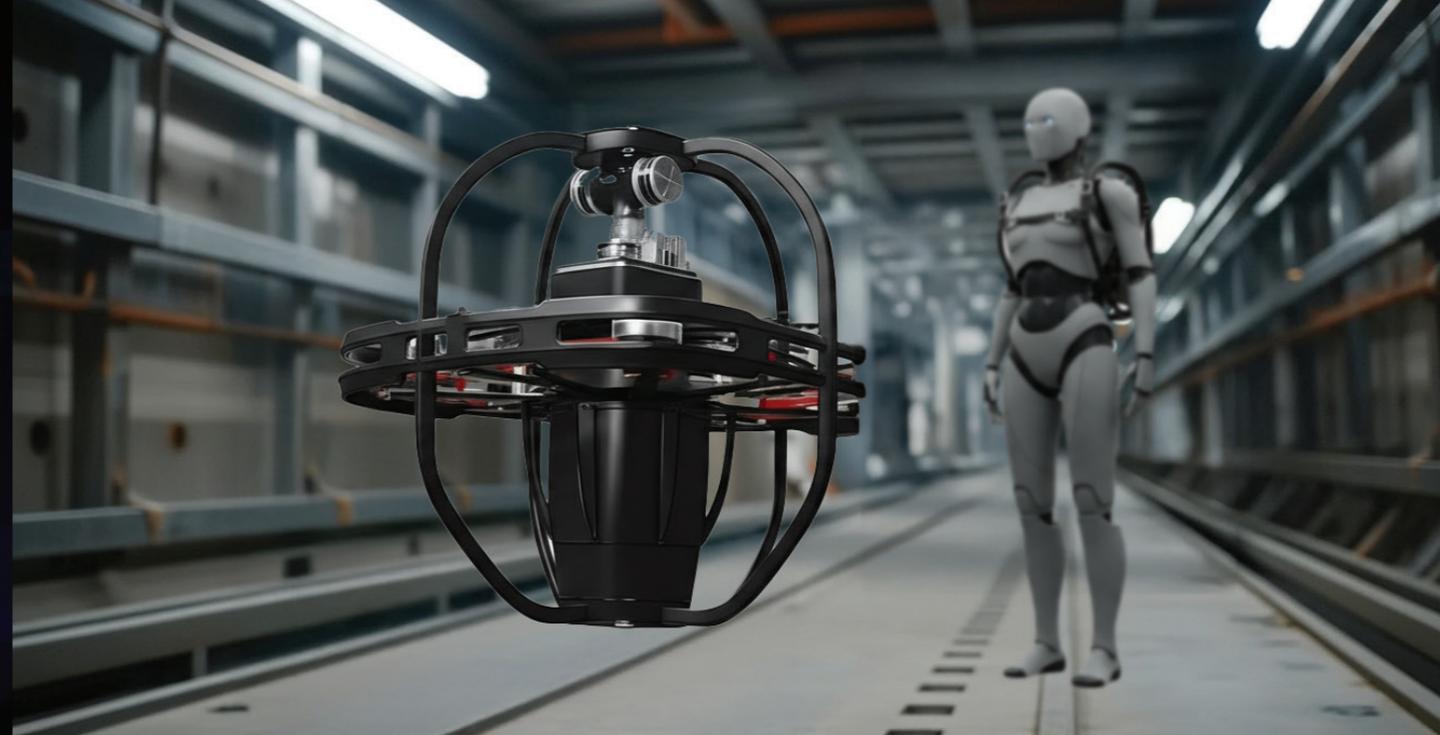
Fax +82 070-8220-6968

Email pabloair@pabloair.com

Pablos

Pablos embodies the values of accuracy, speed, and reliability offered by inspection solutions. Leveraging PABLO AIR's swarm AI technology and dedicated drones optimized for inspection missions, it delivers inspection business solutions across a wide range of industrial environments.





Swarm AI-Based Aircraft Exterior Inspection System – InspeX

PABLO AIR delivers an aircraft exterior inspection solution that maximizes safety and efficiency through next-generation swarm AI drone technology. Co-developed with Korean Air, InspeX has been recognized for its technological excellence and industrial impact with a CES 2026 Innovation Award in the Drone category, positioning it to drive innovation in the global aircraft MRO market.



Mesh network-based real-time decision-making and collaboration



AI-driven big data analysis for micro-defect detection and reporting



LiDAR-based SLAM enabling autonomous flight in GNSS-denied environments



Intuitive user interface designed for ease of use, even for non-experts

Pablos I10s A drone dedicated to aircraft exterior inspection capable of precise autonomous flight



Weight	4,100g	Flight Time	35min
Operating Temperature	-5 °C ~ 40°C	IP rating	IP44
Communication	WiFi (5.8GHz) - 0.5 mm (VLOS)	Wind Resistance	6m/s
Battery SPEC	6S 17,000mAh	Full Charge Voltage	22.2V
Battery Type	Lithium-Ion	Battery Weight	1,380g
Camera	Resolution : EO 8MP Option zoom : 10x or EO 20MP	LiDAR	Vertical : 90 (+45 to -45) Horizontal : 360 Accuracy : 0.1cm

Integrating Swarm AI Drones and Robots – Hybrid Inspection Platform

The drone-robot hybrid inspection platform overcomes the limitations of drone-only operations, including mission duration constraints and mobility restrictions in specific environments. By addressing inspection needs across facility assessment and quality management, it sets a new standard for inspection applications throughout industrial processes.



Enhanced mission endurance and efficiency through heterogeneous mobility collaboration



SLAM-enabled autonomous operation in GNSS-denied environments



Maximized mission capability through high mobility and advanced flight performance



Inspection capability in extreme environments using high-performance optical systems

Development of Inspection Drones Optimized for Mission and Environment



F40u

A dedicated drone acting as a first responder at inspection sites, combining rapid mobility with high-performance optical payloads



Compact inspection drone

A compact inspection drone optimized for confined and obstacle-dense environments, enabling reliable inspection even under extreme conditions

Application Areas for the Hybrid Inspection Platform



Industrial Plant & Refinery Facility



Railway & Underground Infrastructure



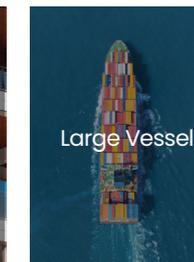
Building & Construction Structure



Energy Facility



Structure at risk of collapse



Large Vessel