

A Polish company providing an in-house developed anti-drone system for tracking and neutralising a wide range of unmanned aerial vehicles is looking for Japanese partners from military and civil sectors

Summary

Profile type	Company's country	POD reference
Business Offer	Poland	BOPL20241021009
Profile status	Type of partnership	Targeted countries
PUBLISHED	Commercial agreement	• World
Contact Person	Term of validity	Last update
Noriko MITA	6 Dec 2024 6 Dec 2025	6 Dec 2024

General Information

Short summary

A Polish company is offering their anti-drone system, which effectively detects, tracks, classifies and neutralises unmanned aerial vehicles (UAVs) by utilising a 3DMIMO radar connected to a drone jamming system. The company is looking for commercial partners in Japan

Full description

Advanced Protection Systems is a Polish company based in Gdynia, founded by two scientists, Dr. Maciej Klemm and Dr. Radosław Piesiewicz. APS develops pioneering FIELDctrl 3D MIMO radars and based on it SKYctrl anti-drone systems, which effectively detect, track, classify and neutralise UAVs. In addition, used ML algorithms allow to automatically differentiate birds from drones. FIELDctrl and SKYctrl are entirely developed in Poland and are the intellectual property of the company.

With a task force of more than 170 technology, military and business experts, as well as scientists, engineers and programmers, Advanced Protection Systems independently develops, manufactures and implements every component of the technology: from the antennas, electronics and mechatronics to software, assembly, tests and final implementation.



In 10 years, APS has completed over 75 projects, protecting the airspace over critical infrastructure, public events, borders, airports, prisons and valuable military assets. The company provides solutions for the Polish and Ukrainian Armed Forces and is proud to have deployments in many NATO countries such as Poland, the UK, Norway, the Czech Republic, Finland, and Estonia, as well as Saudi Arabia, Singapore, Malaysia and South Korea.

The company is looking for Japanese partners from both civil and military sectors in order to enter this market with its products and services from the field of UAV detection and neutralisation.

Advantages and innovations

1. Full control over technology and compliance – All APS solutions are fully IATA-free, meaning they can be safely used at airports without interfering with air traffic. APS independently designs, manufactures, and implements all components of its systems, from antennas and electronics to software and mechatronics.
2. Innovation – The SKYctrl system, based on FIELDctrl radars and advanced ML algorithms, enables precise detection and neutralization of drones while also distinguishing between threats, reducing false alarms caused by birds.
3. Proprietary CyView C2 Command System – APS’s CyView C2 system is user-friendly and highly customizable, allowing it to be tailored to the specific needs of users. Its ease of use and efficiency have been confirmed by references, including from the Ukrainian Armed Forces Commander, who successfully implemented the system.
4. Versatility – APS solutions can be applied in both military and civilian markets. The company provides protection for critical infrastructure, airports, prisons, public events, and VIP protection.
5. Integration capability of any sensors and effectors – APS products are highly flexible, allowing for the integration of various sensors and neutralization devices to meet the specific needs of clients.

APS won many prestigious awards, including the President of the Republic of Poland's International Success Award, the Armed Forces Operational Command Award at the XXX MSPO in the Forces Protection category for the SKYctrl container system as well Defender Award at the XXVI MSPO.

Innovations introduced by the company:

Drone Interceptor Project – A new APS project focused on developing a physical interception drone for various threats in the airspace.

APS is actively seeking business partners who can collaborate with us on the implementation of our advanced anti-drone solutions. These partners may play several key roles, including acting as system integrators, radars, software or complete anti-drone system d

Technical specification or expertise sought

Stage of development

Sustainable Development goals

- **Not relevant**



IPR Status

IPR Notes

Partner Sought

Expected role of the partner

The company is looking for multiple types of partners:

Business Implementers – Partners who can help us deploy our FIELDctrl radars, SKYctrl systems, and CyView C2 command solutions in various environments. They can assist in integrating our technology into existing defense and security systems or in offering our solutions as part of their own portfolios.

Radar/Software Solution Providers – Companies seeking high-performance radar systems or advanced software for drone detection and neutralization. These partners can collaborate with us to supply tailored solutions to end customers.

Comprehensive Anti-Drone System Providers – Partners interested in offering a full-scale anti-drone defense package to their clients from various sectors.

Characteristics of Partners:

Military and Defense Focus – Partners with expertise in military procurement, who can facilitate the introduction of our technology to armed forces, border protection agencies, and critical military infrastructure. These partners should have strong relationships with decision-makers responsible for defense technologies and anti-drone protection.

Civilian Market Access – Partners with established connections in civilian markets, such as airports, critical infrastructure facilities, or private security firms. We are looking for partners and clients who are seeking protection from unauthorized drone intrusions, particularly in sensitive locations like government buildings, strategic facilities or VIP facilities.

Strategic Access Partners – Partners with networks in industries requiring anti-drone solutions, such as airports, prisons, or high-security locations. These partners would assist APS in reaching the key decision-makers who are responsible for implementing anti-drone defense systems.

Type of partnership

Type and size of the partner

Commercial agreement

- R&D Institution
- University
- SME ≤ 10
- Big company
- SME 11-49
- Other
- SME 50 - 249

Dissemination

Technology keywords

Market keywords

- **03008001 - Military electronics (excluding communications)**

Targeted countries

Sector groups involved

- **World**