PRESS RELEASE FOR EUROSATORY 2024

APS PROMOTE ANTI DRONE TECHNOLOGY TO GLOBAL DELEGATIONS

Advanced Protection Systems (APS) one of the world leaders in anti-drone technology are exhibiting a range of technologies at Eurosatory 2024, reflecting their commitment to Europe and global markets.

Via their SKYctrl system APS can deploy the most effective anti-drone systems to force protection, military installations , protect airports, Government Buildings, wind farms, critical national infrastructure, oil and gas installations, prisons, VIP buildings, and public events.

APS have a high level of configurability and cost-effective scalability of their deployments. They are constantly developing cutting-edge technologies in-house and can accommodate efficiently to a fast-paced improvements in hostile drones' technology and evolving battlefield tactics.

APS is developing innovative SKYctrl anti-drone systems based on the proprietary FIELDctrl 3D MIMO radar. They effectively detect, classify, track, and neutralise UAVs (unmanned aerial vehicles). Based on artificial intelligence and machine learning algorithms, the device automatically classifies and distinguishes UAVs from other similar targets such as birds.

APS radars have implemented algorithms that automatically differentiate between drones and other aerial targets with great level of confidence. Often competition does a poor job on this making it extremely difficult to automate cuing process of other sensors and effectors and making kill chain ineffective or impossible within short time available.

APS is learning fast from the battlefield in Ukraine and experience from military cooperations and implemented required improvements efficiently. APS operate a full cycle: precise radar detection, accurate radar tracking, reliable radar classification, EOIR identification optional, soft-kill mitigation, hard-kill neutralization.

This is supported using a prediction tool to guarantee optimum level of radar coverage under varied deployment environments. Whilst classifying any object APS can provide a clear view of the airspace via precise tracking of tracked aerial targets, competition very often shows only detection plots that reflect to the great part clutter noise and not aerial targets or has serious problems with altitude indication, missing real target height by few hundred meters.

APS radars detect hovering drones and near Zero-Doppler flying drones (not radially towards/away from the radar but zigzag or circular flight paths).

Macej Klemm CEO of APS said:

"Eurosatory 2024 is an important opportunity to promote our world leading range of anti-drone capabilities to visiting overseas and French delegations. We are trusted partner and are receptive to industrial partnerships."