

SKYWALL NEWS IN BRIEF



OPENWORKS ENGINEERING'S ROUND UP OF NEWS, UPDATES AND DEVELOPMENTS

A NOTE FROM OUR MANAGING DIRECTOR, CHRIS DOWN

ADVANCES IN OPTICAL CLASSIFICATION AND TRACKING TECHNOLOGY MAKES 2021 INCREDIBLY EXCITING

After 5 years of success creating award winning UAS capture systems, OpenWorks has developed it's integrated tracking technology into a standalone family of products. Making use of strategic relationships with leading developers of optronics and camera systems, industry leading AI classification and tracking with motion control is now available for use with existing systems.

"We have always been proud of our ability to develop new capabilities quickly and we are already testing the product on a range of low cost and high performing surveillance camera systems from leading manufacturers. Watch this space for more announcements soon"



LATEST NEWS

MORE EUROPEAN POLICE CHOOSE SKYWALL NET CAPTURE FOLLOWING COMPETITIVE TENDER

SkyWall Patrol was operated in a live urban environment in a series of tests. These tests were conducted at the end of 2019 as part of the Internal Security Fund - Police project SKYFALL, an EU-funded programme. The system was then down selected as part of a formal evaluation, due to SkyWall Patrol's un-matched range and performance, while providing a low collateral damage and physical defeat of the target drones.

The result of the tender process is a framework agreement that gives the participating European law enforcement authorities with equipment immediately to provide an initial operational capability and a range of training activities through EU ISF funding. Furthermore, the framework agreement allows the Member States to purchase these systems in order to roll out the capacity on a larger scale.

SkyWall Patrol gives a mobile operator the ability to physically capture a drone in a net, used in conjunction with electronic countermeasures for a layered defence, or in environments where electronic attack cannot be deployed. The system can be networked through command-and-control systems to enhanced situational awareness and gives a tactical advantage to mission commanders.

James Cross, Director and founder of OpenWorks commented, "We are excited to announce that SkyWall Patrol will form an important part of the counter-drone response for more law enforcement authorities in Europe. The evaluation was incredibly challenging and we learned a lot from being pushed harder than ever during day and night tests in an urban environment. The whole OpenWorks team will be working hard to deliver the equipment quickly and looking forward to learning more from a new group of end users."

SKYTRACK

SKYTRACK LAUNCHES AT S&P AND CUSTOMER DELIVERIES BEGIN



SkyTrack will be officially launched at the Security and Policing Event in March. Days later the first customer system will leave the UK to be delivered.

The first SkyTrack delivery combines OpenWorks propriety SkyAI optical classification and tracking motion control with the latest cooled mid-wave thermal cameras to provide class 1 UAS detection and tracking up to 2.5km. A variety of hardware options are available to offer a range of performance to suit all budgets.

TURN YOUR CAMERA INTO A SKYTRACK...WITH SKYAI



SkyAI uses the latest developments in deep-learning neural network classification to quickly and reliably detect a target and achieve an industry leading tracking performance by controlling the camera motion.



FALSE ALARM REJECTION AND HIGH QUALITY ROBUST TRACKING FOR ANY CAMERA

SkyAI is the latest product to be released by OpenWorks. It is the artificial intelligence and motion control used in SkyTrack and SkyWall Auto, packaged for use on other hardware solutions.

SkyAI is what allows SkyWall Auto to connect to any C-UAS radar or RF detection and quickly lock onto the UAS using optical detection and tracking. It allows SkyTrack to search for a threat found by a primary sensor and quickly locate it, confirm the threat and provide smooth and accurate tracking.

False alarms from primary sensors are rejected, reducing operator distraction. Targets can be tracked against complex backgrounds without disruption and SkyAI motion control ensures targets are not lost even if they momentarily disappear behind trees or buildings.



EXTERNAL CONTROLLER



SKYWALL PATROL USERS EXPAND OPERATIONS

The SkyWall Patrol system was first deployed by close protection teams and other specialist law enforcement and military groups. Nearly 5 years on and law enforcement groups are working with OpenWorks to explore national capability roll outs.

New operator training courses have been developed over the last 2 years that reduce the time and cost taken to train new operators to allow more largescale deployments of the net-capture capability in a cost effective way.

SKYAI CAN SEE THE TARGET - CAN YOU?



Find out more here: <https://openworksengineering.com/skytrack-challenge-did-you-find-the-target/>

MBDA AND PARTNERS LAUNCH SKY WARDEN

SKYWALL AUTO PROVIDES INTEGRATED LOW COLLATERAL-DAMAGE DEFEAT

MBDA launches Team Sky Warden at IDEX, to offer an integrated and highly capable C-UAS solution to the military and security forces. SkyWall Net Capture is selected to provide UAS defeat with low collateral damage risk and without the need to use electronic attack.

OpenWorks is proud to be working with the Sky Warden partners to provide a flexible and capable C-UAS capability with MBDA. There will be more announcements coming through 2021 as the system will undergo live demonstrations across Europe.



UPCOMING EVENT:

Home Office
SECURITY & POLICING
HOME OFFICE EVENT

SKYWALL SYSTEMS ON DISPLAY AT THE VIRTUAL SECURITY AND POLICING

09TH - 11TH MARCH 2021

Register online for this free event to learn about our latest developments.