

# SKYWALL NEWS IN BRIEF



OPENWORKS

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

## A NOTE FROM OUR MANAGING DIRECTOR, CHRIS DOWN

### R&D ACCELERATES WITH FURTHER INVESTMENT

Further progress in our product development has been the theme since spring alongside receiving investment from a fantastic local business. Adderstone Group has invested a seven-figure sum into OpenWorks Engineering to support further aggressive research and development in new products and counter drone technologies.

*“We were determined to partner with a local investor to expand our production capability and accelerate the development of new products. We are confident that, in Adderstone, we have secured the perfect investment partner to help us grow the business and support our existing customers.”*



CHRIS DOWN, MANAGING DIRECTOR

## SKYWALL300 MOBILE RESPONSE – MAY

### SKYWALL300 MOBILE RESPONSE NOW IN BUILD



OpenWorks has now taken the SkyWall300 vehicle concept into the build stage. SkyWall300 will be mounted on a specially prepared commercial vehicle with a custom-built cover to conceal the system during transportation or when in standby. The cover will automatically open to deploy the fully autonomous counter-drone system as soon as a drone threat has been detected. This mobile solution will soon be on test and can be fully integrated with drone detection systems via C2 offering situational awareness and fast response.

## LATEST NEWS:

### US MARINE CAPTURES DRONES WITH SKYWALL100

OpenWorks, together with US partners Liteye, was invited to provide a SkyWall100 system for evaluation by the USMC at Quantico VA. This followed the successful demonstrations at the NATO NNTEX event held in December 2018 at the same location. The purpose of this second event was to give basic training to a US Marine and evaluate the effectiveness of the Marine using the system.

After receiving only minimal training the Marine engaged and captured several drones, including static and fast-moving targets at various ranges and altitude. The test clearly demonstrated that even with limited training, the SkyWall100 system with its advanced targeting SmartScope, is an effective counter-drone capability.



## SKYWALL300 CAPTURES FIXED-WING DRONES – JUNE

### FURTHER TESTING PROVES SKYWALL300 CAPABILITY

Defeating fixed-wing drones presents unique challenges and recent events in Saudi Arabia, where two oil pumping stations were damaged by explosive-laden fixed-wing drones, further illustrates the need to counter this threat.

SkyWall300 is highly effective at countering fixed-wing drones, helped by AI target acquisition and tracking capabilities developed with OpenWorks' technical partner Antmicro, a world leading developer headquartered in Poznan, Poland. In recent tests SkyWall300 has proven effective at capturing fast moving drones at long range. Once captured, the drone can be recovered for forensic examination.



## MEETING THE GROWING DEMAND FOR SKYWALL

OpenWorks' new production and testing facility, is bigger to meet the ever-increasing worldwide demand and orders for SkyWall100. The new facility will allow an increased throughput of acceptance testing and will help reduce lead times to fulfill short-notice and larger orders of SkyWall100 systems.



The new training site has already seen a number of law enforcement agencies trained on SkyWall100. The site will also support new product testing and development as well as dedicated demonstration areas that can be tailored to show a unique range of drone threat scenarios and how SkyWall products can defend against them.

OpenWorks and Antmicro continue to further develop the autonomous target acquisition and tracking capabilities of SkyWall300. Antmicro's edge AI technology brings highly capable performance when tracking targets against complex backgrounds and following fixed-winged threats. The latest upgrades continue to bring new features that have recently proven the ability to track and capture both fast moving multirotor and fixed-wing drones. In recent tests SkyWall300 tracked drones at ranges approaching 1,000m.

Recent SkyWall100 upgrades include an improved capability in the SmartScope targeting system, further improving the existing high capture rate when engaging fast moving traversing drones.

## RECEIVING FURTHER INVESTMENT - BOOSTING R&D

Whilst Adderstone Group is known primarily as one of the largest property development businesses in the region, it has a long and successful track record at founding and growing a range of investments. The funding is Adderstone Group's second investment into an engineering business.

Ian Baggett, CEO and Founder of Adderstone Group said: "OpenWorks' achievements to date have been astounding. They are an extremely talented group of engineers who not only foresaw a massive need to protect against rogue drones but have gone on to design, patent, manufacture and monetise what is acknowledged to be world leading technology from their base in Stocksfield. My team and I look forward to doing whatever we can to help our new colleagues continue to grow a world leading business that protects the public and infrastructure from this burgeoning threat."

OpenWorks Directors are confident that the significant investment from Adderstone Group will enable OpenWorks to increase capacity to manufacture their award-winning SkyWall drone defence products, accelerate research and development of the next generation of SkyWall products and ultimately add significant value to the business.



## THE RELEASE OF SKYWALL300 AT SECURITY & POLICING 2019

It was just over three years ago when OpenWorks first released SkyWall100 to the world at Security and Policing. Since then law enforcement agencies across the world are now using SkyWall100 to protect airports, VIPs and critical national infrastructure.



OpenWorks used this year's Security and Policing to release the SkyWall300 automatic drone capture system. SkyWall300 has already undergone successful testing with the US military using the prototype and the system is now on sale with the first deployment expected before the end of this year. Delegations from around the world were impressed with SkyWall300's ability to capture a drone with the push of a button.

### UPCOMING EVENT:



## SKYWALL ON DISPLAY AT MILIPOL PARIS

19TH - 22ND NOVEMBER 2019

The 21st edition of the show will be held from 19th to 22nd November 2019 at the Paris-Nord Villepinte Exhibition Centre.

Please come and visit us in the UK Pavilion, Hall 5A.