



A NOTE FROM OUR MANAGING DIRECTOR, CHRIS DOWN

AUTONOMOUS SKYWALL300 IS PROVEN

SkyWall300 successfully demonstrated its net capture capabilities at the Black Dart 2018 test event last month, a major milestone in the SkyWall300 programme. Providing an autonomous and remotely operated net-capture system, SkyWall300 will offer a completely unique breakthrough capability when it becomes available in 2019.

“With the first ever physical capture of a fixed wing UAS, the SkyWall300 low-collateral net-capture system was shown to be highly effective against a range of targets and we are excited to add the final elements to the system to provide an initial operational capability next year”

CHRIS DOWN, MANAGING DIRECTOR



LATEST NEWS:

SKYWALL300 NEUTRALISES FIXED WING UAS AT BLACK DART 2018

The SkyWall300 counter-UAS system was independently evaluated by the US Government at the prestigious Black Dart 2018 event in Indiana over a two-week period in September 2018. This unique net-capture system showed that it was able to reliably neutralise the threat from a range of rotary and fixed-wing UAS aircraft flying diverse sorties.

Not only was this the first time that SkyWall300 was shown at Black Dart, it also represented the first joint marketing of SkyWall technology by Liteye Systems Inc (the US partner and distributor for SkyWall technology) and OpenWorks Engineering (the UK based OEM). Liteye and OpenWorks have joined forces in the US to support military, law enforcement and security authorities with their counter-UAS missions.

INTEGRATED C-UAS CAPABILITY - APRIL

PROTECTING THE BERLIN AIR SHOW WITH GUARDION

German policing authorities deployed SkyWall100 again at the Berlin Air Show as part of a system called GUARDION. This saw SkyWall100 deployed alongside other technologies from across Europe; radar detection systems and electronic counter-measures work with SkyWall to track and stop any confirmed threats.

All deployed technologies and products can be linked together using a command and control system that was originally developed for the military: TARANIS® by ESG Elektronik system- und Logistik- GmbH. Based near Munich in Germany, ESG identified the most capable products that mitigate the UAS threat and integrated them into a layered defence to achieve a highly capable complete system, called “GUARDION”.



GUARDION is the Counter-UAS solution of ESG and its cooperation partners Rohde & Schwarz and Diehl Defence, as well as other GUARDION trusted suppliers such as OpenWorks Engineering.

ROBIN RADAR ELVIRA®, ESG TARANIS® AND SKYLINK/SKYWALL100

SkyLink, the module that allows SkyWall100 to be integrated with end-to-end C-UAS systems, was successfully tested with the GUARDION solution. ESG and Robin Radar provided the UAS detection, classification and tracking capability, utilising the ESG Taranis® command and control system and Robin radars ELVIRA®, a purpose-built UAS detection radar.



The SkyLink module allowed detection and command data to be sent to the mobile SkyWall100 launcher, while the location and status of the launcher was reported back to the command and control system. When the UAS threat was detected, an alarm was activated on the SkyWall100 system and the bearing of the target was immediately visible on the SkyLink unit. This allowed the operator to quickly prepare for an engagement before using the launcher's built-in SmartScope that directed the operator to rapidly find the UAS in the sky using arrows displayed in the eye-piece.

OpenWorks continues its development of the SkyWall100 and SkyWall300 products to ensure SkyWall systems continue to be the most capable net capture solutions available.

To help facilitate the growing demand for SkyWall and OpenWorks' appetite for continued research and development, the team has grown and facilities are being expanded with more office space, additional workshops, new conference rooms and additional outdoor training sites.

FURTHER SKYWALL100 TEST AND EVALUATION - JULY

SKYWALL100 HAS BEEN INDEPENDENTLY VERIFIED BY MORE AUTHORITIES

The SkyWall100 handheld net capture system has been assessed by two more authorities in Europe to independently verify the capability offered. One authority is supporting a law enforcement mission and the other is supporting military missions.

The military authority tested SkyWall100 alongside several handheld jamming systems. Capturing 100% of the targets flown, SkyWall100 demonstrated the benefits of physical UAS capture, such as having access to the UAS for forensic investigation and the ability to deploy a counter-measure in a spectrum sensitive environment.



OPENWORKS AND LITEYE INC. JOIN FORCES

OpenWorks Engineering Ltd and Liteye Systems Inc., have formed a partnership to support military, law enforcement and security authorities with their counter-UAS missions. The two companies have joined forces to add an integrated low-collateral-damage C-UAS defeat layer to Liteye's already successful counter unmanned systems offerings.

Liteye are specialists in the development and deployment of a range of counter-UAS products and systems. Having already deployed fully integrated detect, track and defeat systems with US military customers since 2016, Liteye is continually striving to enhance its system's capabilities and work with its customers in support of their evolving missions.

"To be effective in the ongoing battle against unmanned systems the solution must be adaptive and able to include different layers of ability," stated Kenneth Geyer, CEO of Liteye. "OpenWorks SkyWall100 and SkyWall300 products provide us with yet another defeat capability in our offering, providing the end-users with the options they need."

UPCOMING EVENT:



SKYWALL100 ON DISPLAY AT MILIPOL QATAR

29TH - 31ST OCTOBER 2018

The 12th edition of the show will be held from 29th to 31st October 2018 at the Doha Exhibition and Convention Center (DECC).

Please come and visit us on stand L060 in the UK pavilion.