OPENSIGHT integrated with ARTEMIS
Smith Myers to optimise airborne search results

FlySight announces the collaboration with Smith Myers to exploit the full integration of OPENSIGHT features with ARTEMIS Mobile Phone identification, geolocation and communication sensor

Meet with our team at EUROPEAN ROTORS 2022, 8-10 November, Cologne, Germany (Hall K_08/1214) and Smith Myers (Hall K_H8 / 1610)

The agreement, announced ahead of EUROPEAN ROTORS, combines OPENSIGHT-mc and ARTEMIS for deployment in SAR/ISR missions, where the augmented reality engine can be used to optimise search results.

Designed to work with any FlySight hardware options, ARTEMIS can detect a phone at extended ranges and provide unique capabilities such as mass-mapping and geofencing to minimise crew workload.

ARTEMIS turns any mobile phone into a rescue beacon, only requiring two antennas to generate a latitude/longitude fix at up to 19 nautical miles (35km), offering a radical and effective alternative to traditional airborne sensors:

> Texting and calls in no service areas

> Possible automatic cueing of EO/IR (Electro -Optical/Infra-Red)

> Deployment as a stand-alone with embedded mapping or integrate with leading mission system providers

> Making missions in low light/ IMC (Instrument Meteorological Conditions) safer and increasing the odds for a positive outcome

> Available in several SWaP configurations for manned/unmanned platforms

Video support: www.vimeo.com/763727006

The same information can also be exploited directly by the augmented reality engine, where the georeferenced positions are overlayed directly on top of the video together with the localisation uncertainty, thus allowing the operator to use the EO system to confirm the localisation outcome, and can be used to steer the turret automatically in order to frame the desired location.

Andrea Masini, CTO
FlySight Srl

ARTEMIS allows the operator to search for and geolocate the mobile phones of persons in distress during search and rescue operations and natural disasters.
The integration of the location information from ARTEMIS into OPENSIGHT creates a clearer operational picture for the operator and simply put, leads to more positive outcomes.

Andrew Murno, Director
Smith Myers

ARTEMIS airborne capabilities are available for use on manned rotary and fixed-wing platforms and drones. Images show ARTEMIS integrated with Open Sight Mission Console software specifically designed by FlySight to provide support for payload operators in airborne scenarios.

About Smith Myers

ARTEMIS has been in active service saving lives around the world. The global customer base includes deployment with the Royal Norwegian Airforce for Search and Rescue duties with the Leonardo AW101 SAR Queen, and has received many international awards, including the coveted Royal Aeronautical Society Silver medal.

Smith Myers Communications Ltd is an award-winning UK company specialising in the design, development, manufacture and support of application specific cellular network and handset capabilities for Network Operators, Government Agencies, Law Enforcement, Military, and Search and Rescue organisations. Awards include: Royal Aeronautical Society Silver Medal; ADS Security Innovation Awards, British Engineering Excellence Award, and ICCA (International Critical Communications) Award.

For more information visit : www.smithmyers.com and www.artemis.smithmyers.com

About FlySight

The FlySight team provides solutions for the design and development of state-of-the-art C4ISR systems (Command, Control, Computer, Communication for Intelligence Surveillance and Reconnaissance). The solutions proposed are based on AI (Artificial Intelligence) approaches exploiting the latest cognitive signal processing and adaptive data fusion algorithms. Our applications are researched and targeted for avionics, naval and underwater sectors, providing geospatial situational awareness both for the on-ground and the on-board segments. Real-time PED (Processing Exploitation and Dissemination) is allowed by the integration of our products in already existing architectures thanks to the interoperability of our systems with STANAG and OGC (Open Geospatial Consortium) standards. Moreover, the adoption of Deep Learning methodologies coupled to Augmented Reality enables the definition of disruptive ISTAR (Intelligence Surveillance Target Acquisition and Reconnaissance) systems.

For more information visit : www.flysight.it and www.opensight.it

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