



FLYSIGHT

COMPANY OVERVIEW



Advanced Software Solutions for Real-time Enhanced Situational Awareness, Mission Planning, and Debriefing

FlySight Srl is the Defense and Security division of Flyby Srl, an Italian hi-tech group specializing in the development of Decision Support Systems (DSS) that leverage cutting-edge technologies in Signal Processing and Big Data Analytics.

The FlySight team offers expertise in designing and developing state-of-the-art C4ISR systems (Command, Control, Computer, Communication for Intelligence Surveillance, and Reconnaissance).

Our solutions are rooted in Artificial Intelligence (AI) methodologies, harnessing the power of advanced cognitive signal processing and adaptive data fusion algorithms. Primarily applied in avionics, naval, and underwater domains, our solutions provide geospatial situational awareness for both on-ground and on-board segments, offering multi-domain, cross-platform, and open code solutions.

Real-time Processing, Exploitation, and Dissemination (PED) is seamlessly achieved through the integration of our products into existing architectures, thanks to the interoperability of our systems with STANAG and OGC (Open Geospatial Consortium) standards.

Furthermore, the incorporation of Deep Learning methodologies, combined with Augmented Reality, enables the creation of disruptive ISTAR (Intelligence Surveillance Target Acquisition and Reconnaissance) systems.



STRATEGIC CAPABILITIES

Powering Progress in multi-domain technologies

Augmented Reality in georeferenced scenario & Data Rendering



AI-based video analytics



Information fusion and enhanced cognitive solutions



Multi-platform Multi-sensor Management



PROUD OF WORKING WITH



COMPLIANCE

All the processes in the Company are managed according to UNI EN ISO 9001:2015 and EN 9100:2008 quality standards. For the more demanding Military and Space projects FlySight applies the rules and the quality requirements set down respectively by the MIL-STD-498 and by the ECSS standards.



FLAGSHIP PRODUCT



OPENSIGHT

A Comprehensive Geospatial Solution for Enhanced Mission Performance

OPENSIGHT® stands as a robust Geospatial Solution designed for Processing, Exploitation, and Dissemination (PED). This system is characterized by its versatility as a multi-domain, multi-platform, and open-code solution. Developed with over a decade of experience, OPENSIGHT is a modular and cost-effective system that has excelled in both on-board and on-ground solutions.

The core objective of OPENSIGHT is to exploit real-world information within a synthetic environment, empowering Geospatial Situational Awareness. It introduces a novel approach to Decision Support Systems, serving as a crucial component of Tactical Mission Command (TMC) or as a real-time mission analysis tool. The system facilitates real-time collaboration through the creation of a Common Operating Picture (COP) for scenarios.

KEY FEATURES

- **INTEGRATION CAPABILITIES**
Enables seamless integration of new solutions and brings fundamental capabilities to Legacy Command and Control environments.
- **REAL-TIME DATA PROCESSING**
Processes data from heterogeneous sensors in real-time, including Electro-optical, Infrared, Hyperspectral, Radar, LIDAR, and SONAR.
- **ADVANCED VISUALIZATION**
Layers information from multiple warfighting functions onto 3D map displays and Augmented Reality views.
- **COLLABORATIVE DECISION-MAKING**
Facilitates information and command sharing, ensuring all involved parties have a real-time, shared view of scenarios.

OPENSIGHT's built-in interoperability features, compliant with STANAG and MIL-STD, enable direct interfacing with NATO systems. Additionally, it seamlessly manages georeferenced data within existing geodatabases or provides innovative solutions for geospatial information management.



ON BOARD

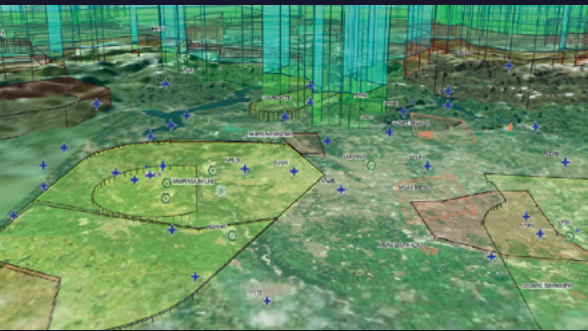


ON GROUND

LATITUDE
LONGITUDE
MOBILE-ID



OPENSIGHT extends its offerings to system integrators and end-customers through a range of versatile solutions



OPENSIGHT

SOFTWARE DEVELOPMENT KIT

It is the solution to enable an innovative approach for the development of new Intelligence Surveillance and Reconnaissance. By means of its tools, enables solutions for real-time mission analysis and dissemination in a COP (Common Operating Picture).

[BROCHURE](#)

[VIDEO](#)



OPENSIGHT

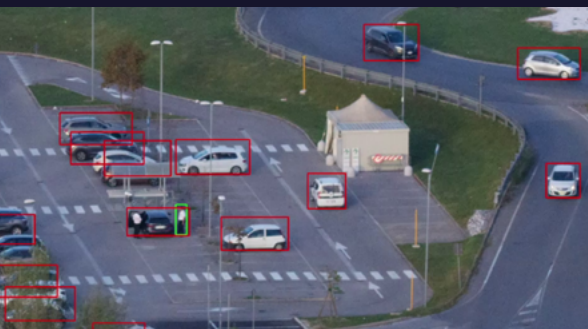
ENHANCED REALITY SYSTEM

Enabling Augmented Reality and advanced video acquisition and enhancement

It is the solution to get video processing, decoding, encoding, restreaming, and all video enhancement features, while allowing for the integration of augmented and mixed reality into existing legacy systems

[BROCHURE](#)

[VIDEO](#)



OPENSIGHT

AUTOMATIC TARGET RECOGNITION

Enabling automatic target detection classification and identification

It is the solution to exploit innovative Deep learning approach for detection, classification and identification of targets from images or video

[BROCHURE](#)

[VIDEO](#)



OPENSIGHT

MISSION CONSOLE

Enabling Augmented Reality for your airborne missions

It is a turnkey solution for airborne platforms. It exploits onboard equipment information in an augmented reality environment to enable Geospatial Situational Awareness on onboard tactical displays. OPENSIGHT Mission Console is even more agile and faster to integrate into any mission system, thanks to the Open Code provided to OPENSIGHT Software Development Kit (OPENSIGHT-sdk) users.

[BROCHURE](#)

[VIDEO](#)

SUCCESSFUL INTEGRATIONS

AVIONIC PLATFORMS

OPENSIGHT has been chosen for complete integration with the avionics platforms

LEONARDO Helicopters
Mission Cabin Computer (MCC) and Heliawareness



HENSOLDT Avionics GmbH
CaviMission



THALES
FlytX®



COMMUNICATION SYSTEMS

OPENSIGHT chosen partner for integration into the Mobile Phone identification, geolocation, and communication sensor Airborne phone location system

Smith Myers
Artemis



Centum Research & Technology
Lifeseeker



Axnes
PNG Wireless Intercom System (WICS)



HIGH-PERFORMANCE MISSION COMPUTERS

OPENSIGHT has been integrated into the high-performance Mission Computers

AiTech Systems
A172 and A179 Lightning



GOMA Elettronica
MAG2A EVO



Viewpoint
MANTIS





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