

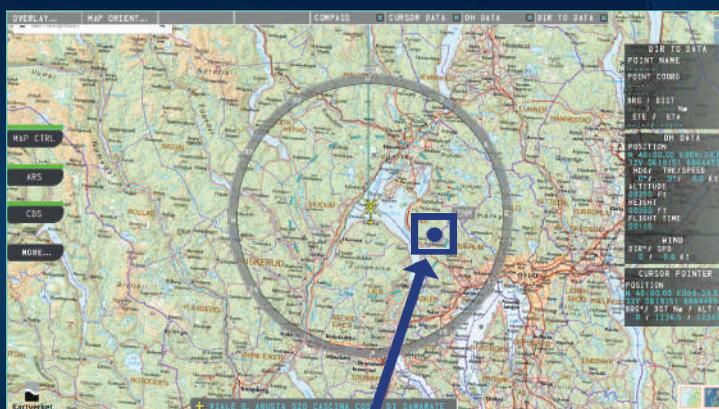


OPENSIGHT - MC

On Board Mission Console

OpenSIGHT Mission Console

OpenSIGHT Mission Console exploits onboard equipment information in an **augmented reality** environment to enable **Geospatial Situational Awareness on airborne MCC (Mission Console Computer)**. It provides a new approach for **Intelligence Surveillance and Reconnaissance** enabling **real-time mission analysis** and dissemination in a **COP (Common Operating Picture)**. The proposed HMI (Human Machine Interface) allows for complex operations through a few intuitive and smart interactions.

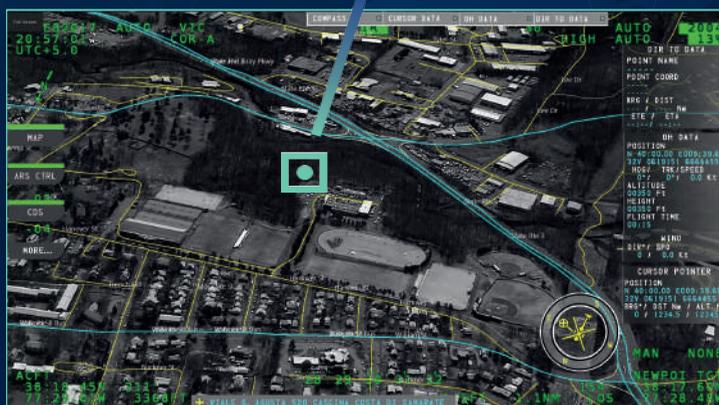


2D, 3D and CDS maps

To exploit different map views in 2D, 3D or in the same format as displayed to the pilot by the CDS (Cockpit Display System)

Mission point selection

To add and share with the CDS a new Point of Interest with just a click on real time video stream shown by the MCC



Vector maps overlay

To overlay geospatial information (e.g. primary/ secondary roads, building numbers, building names) as an augmented reality content over the live-streaming videos acquired by the platform



AIS overlay

To show the AIS (Automatic Identification System) picture on the video stream and on map simultaneously



Real-time video processing

To emphasize live-streaming information by means of smart functions: video enhancing, super resolution, fog suppression and false colours

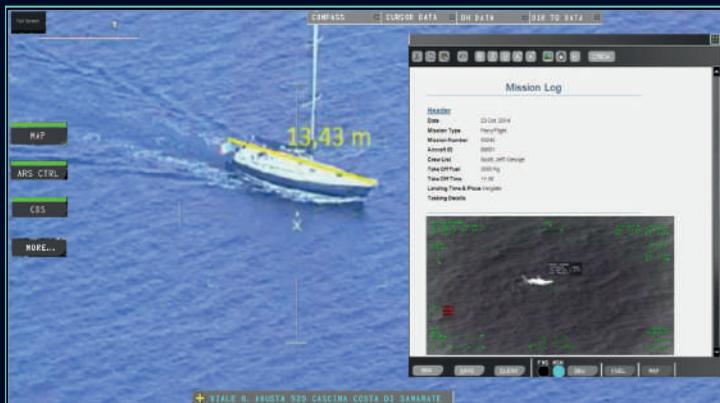
Real-time information

To access geographical information by clicking on map contents or textual search, according to on board customized GDB (Geo Data Base)



Measurements on video and map

To measure lengths and areas on the real time video or on the MCC map



Smart reporting

To generate reports in few steps (e.g. an automatic mission report document is saved by just a click). The Reports can be easily shared with all the actors of the COP

The OpenSIGHT Mission Console can be interfaced to legacy command and control infrastructures thanks to the availability of an over IP communication link, in order to share any information (such as video, images, detection reports) and any decision (commands and actions).

OpenSIGHT is STANAG compliant.



OpenSIGHT and FlySight is a brand of **Flyby S.r.l.**

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