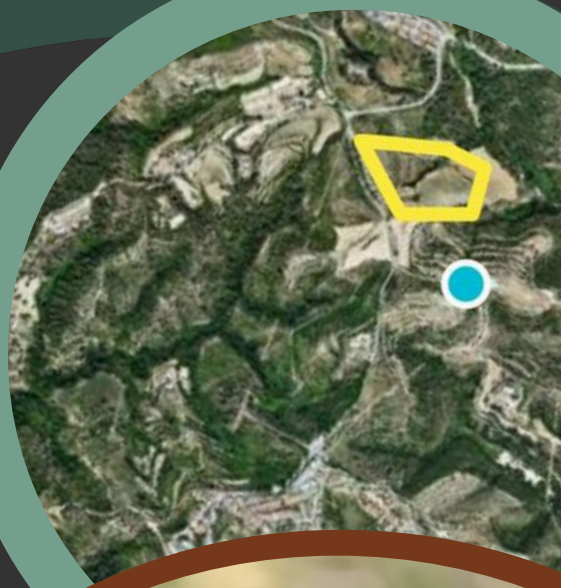
SALUS

Image by Matt Palmer from Unsplash



PERIMETERS

Data collection of perimeters and points of interest in active fires

Wildfire Risk Solutions for Spain

Perimeters app

The need for immediate information

The forest fire is a dynamic event. The response capacity is directly linked to the quality and speed of the cartographic information.

The application allows equipping the operator aboard the aircraft (data collection helicopter) with an efficient tool to digitize the perimeter and the intensity of the fire in real-time.

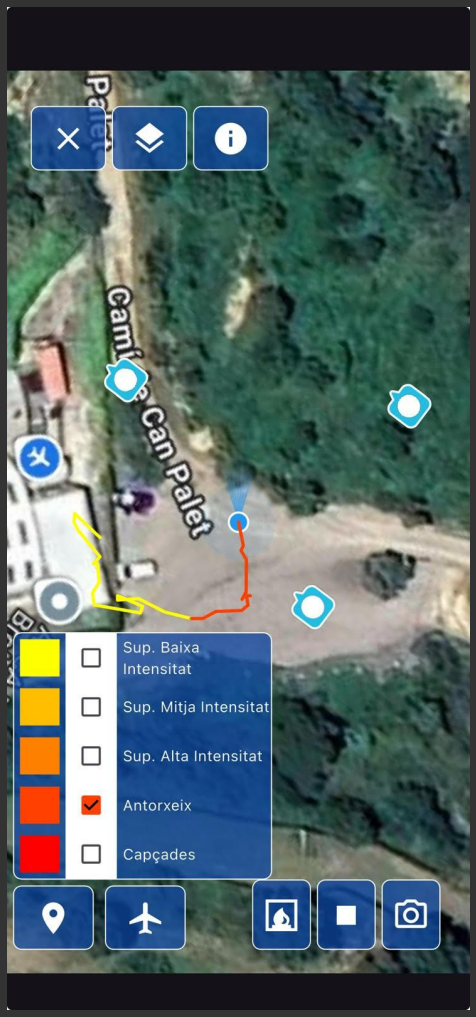
The application allows transforming the flight path into a crucial cartographic data point for immediate decision-making on the ground and in the air.

- **Real-time data capture:** The application digitizes the perimeter and intensity while the helicopter flies.
- **Immediate integration:** The information is ready to be sent in the shortest possible time.
- **Georeferenced information:** Each flight segment becomes a precise data point with GPS coordinates.

Tactical data capture

The application turns the helicopter into a geographical data acquisition platform.

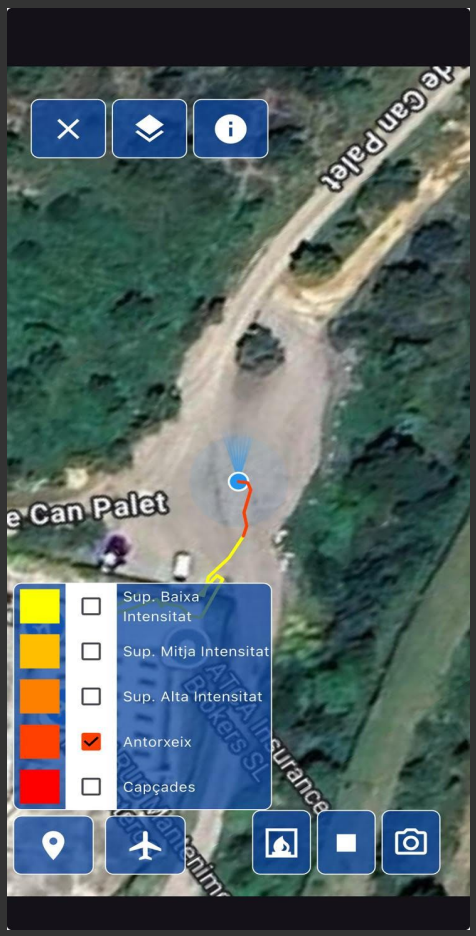
Objective: to turn every flight mission into a high-fidelity data capture mission. We provide the operator with the capacity to digitize the reality of the fire at the right moment, transforming the flight path into a cartographic asset.



Dynamic georeferencing

The system eliminates the gap between aerial observation and cartographic data.

- The operator starts the capture with a single command, triggering the registration of cartographic data. The application digitizes the perimeter and intensity while the helicopter flies.
- The system uses the aircraft's GPS to automatically and precisely trace the confinement line, creating a digital 'track'.



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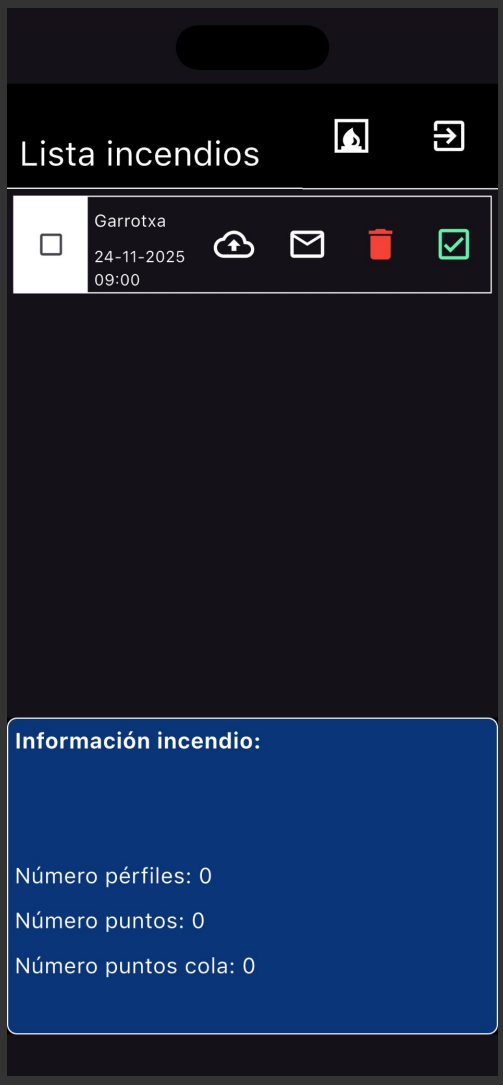
Integration and final use of the data (Salus System)

The information captured in flight reaches its maximum value once it is shared with the simulation system

After finishing the flight and validating the perimeter, the operator proceeds to send the data.

The georeferenced perimeter and intensity areas are automatically transferred to the Salus platform.

Salus uses this updated perimeter to calculate the actual burned surface, improving the accuracy of the propagation models.



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