

GLOBAL LINK RESCUE

Two solutions for communication during an aerial rescue operation

AFF (Aerial Fire Fighting)



HELITRACKING (Search and Rescue)



AD-WAIBE

INNOVATION & DIGITAL TECHNOLOGIES

~ 100 Aircrafts & 100 Rescue Centers equipped in France



Civilian Security

SAR : 40 helicopters
Fire Fighting : 23 Aircrafts
+ 3 drones



Air Force

SAR : 20 hélicoptères



Marine + Police

20 helicopters
Order in progress



100 Operations Center

Rescue center
Crisis center
Hospitals
Fire Fighters
Police
...

Military Missions



French Special Forces

10 Helicopters – Satellite version

RADIO COMMUNICATION IS ALWAYS AN ISSUE DURING RESCUE OPERATION

Helicopter

(Search and Rescue)

Low altitude, no radar, no radio
Difficulty to communicate with ground
No visibility on rescuers

Aircraft

(Fire Fighting)

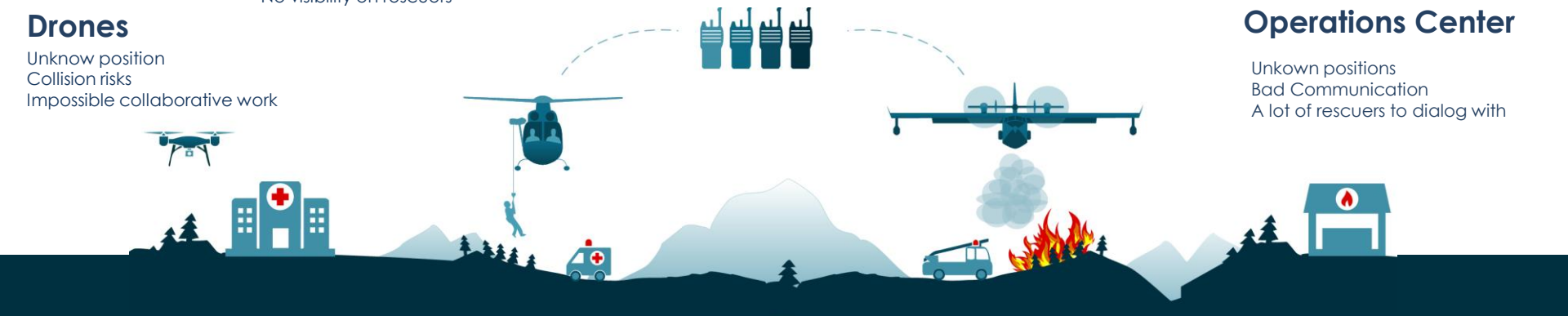
No direct communication with Fire fighters
No tactical situation
Short range communication

Drones

Unknow position
Collision risks
Impossible collaborative work

Operations Center

Unknow positions
Bad Communication
A lot of rescuers to dialog with

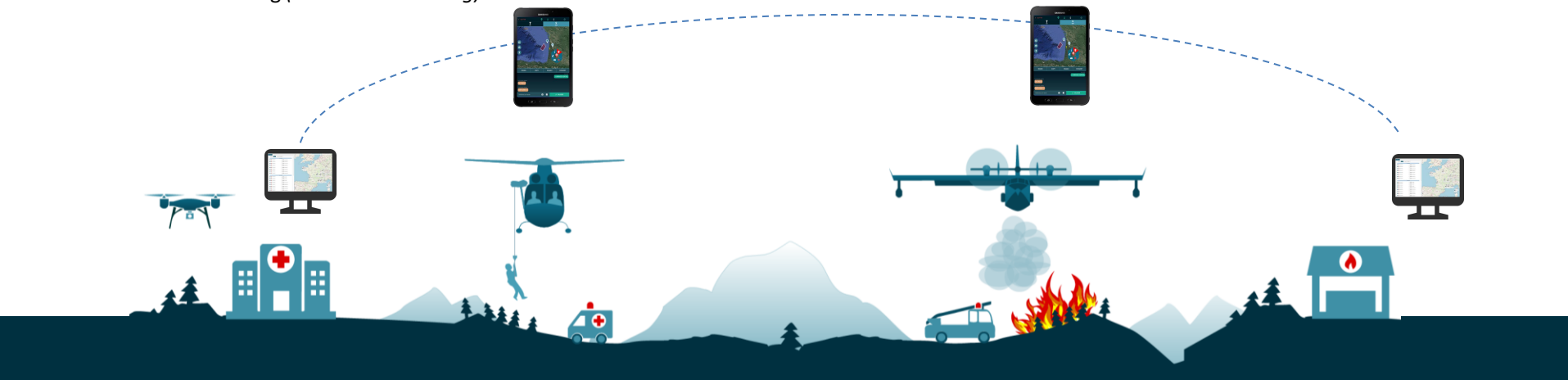


TIME LOST
OVERCONSUMPTION
FIRE SPREAD
VITAL RISK

Universal messaging tailored for aerial rescue missions, incorporating tactical situational awareness.

- + Chat with free or predefined messages
- + Geographical markers on cartography
- + Image / video transfer
- + Position sharing (*Blue Force Tracking*)

Direct communication with Rescue Center



Mission teams

Aircraft
Helicopters
Drones
...



Position Tracker



Tablet App

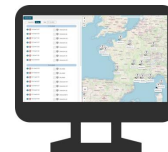
3G/4G/5G

Worldwide



Satellite

Operations Center



Web App

Rescue center
Crisis center
Hospital
Fire Fighters
...

HARDWARE & SOFTWARE

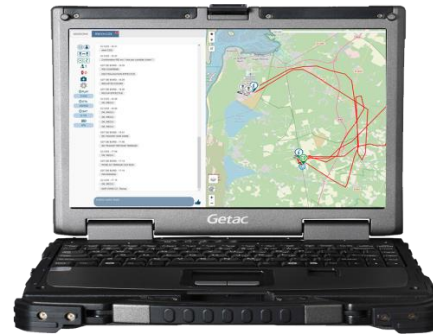
HELICOPTER /
AIRCRAFT



iOS / Android app

3G / 4G / 5G
↔
(Internet)

RESCUE CENTER

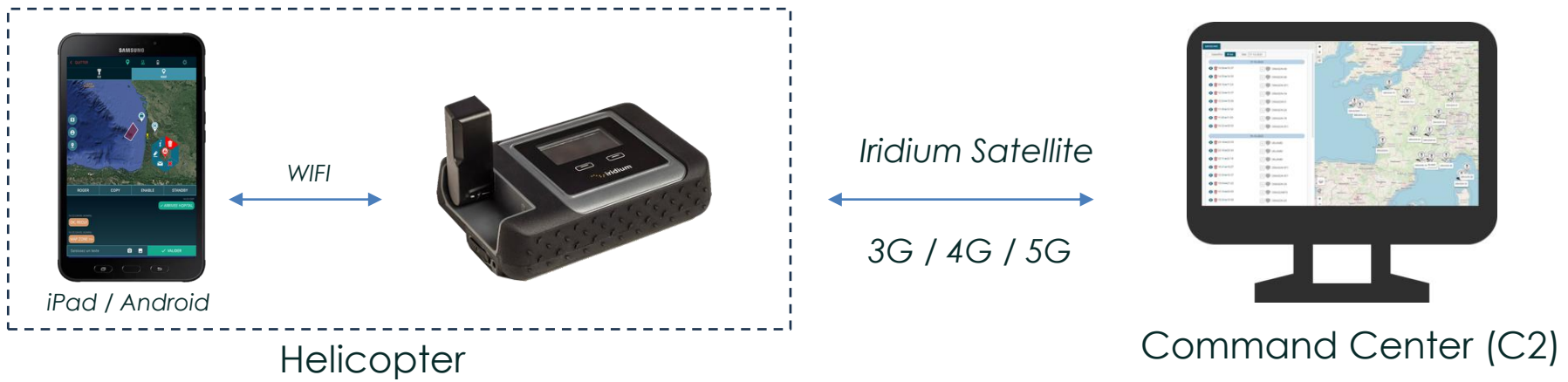


Web App

Satellite System

- Autonomous / portable
- 20 sec transfer time
- ~1 € per flight hour
- 15 hours Autonomy

Portable and autonomous satellite modem



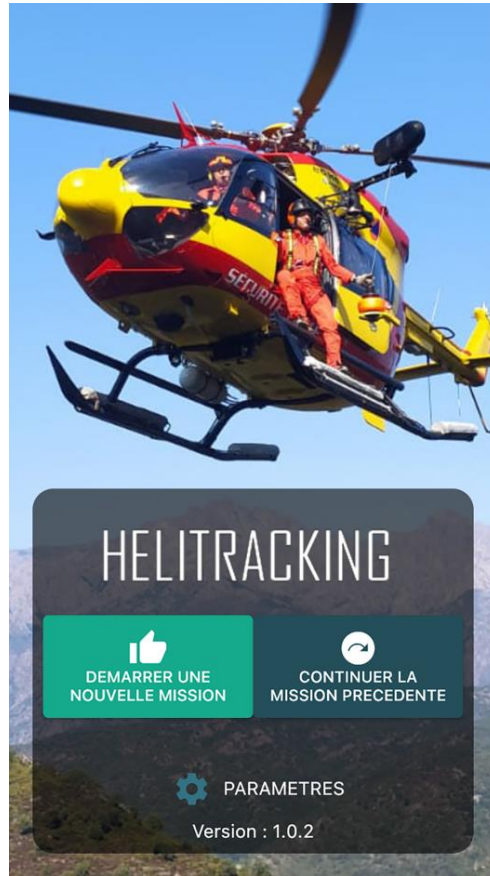
Position tracking : for drones or ground teams

Positions sent in the helicopters / aircraft, or to the rescue centers.

- To avoid collision between drones and aircrafts.
- To locate teams lost on ground.

- + GSM & Satellite position tracker
- + Works everywhere !
- + Light (< 100 grams)



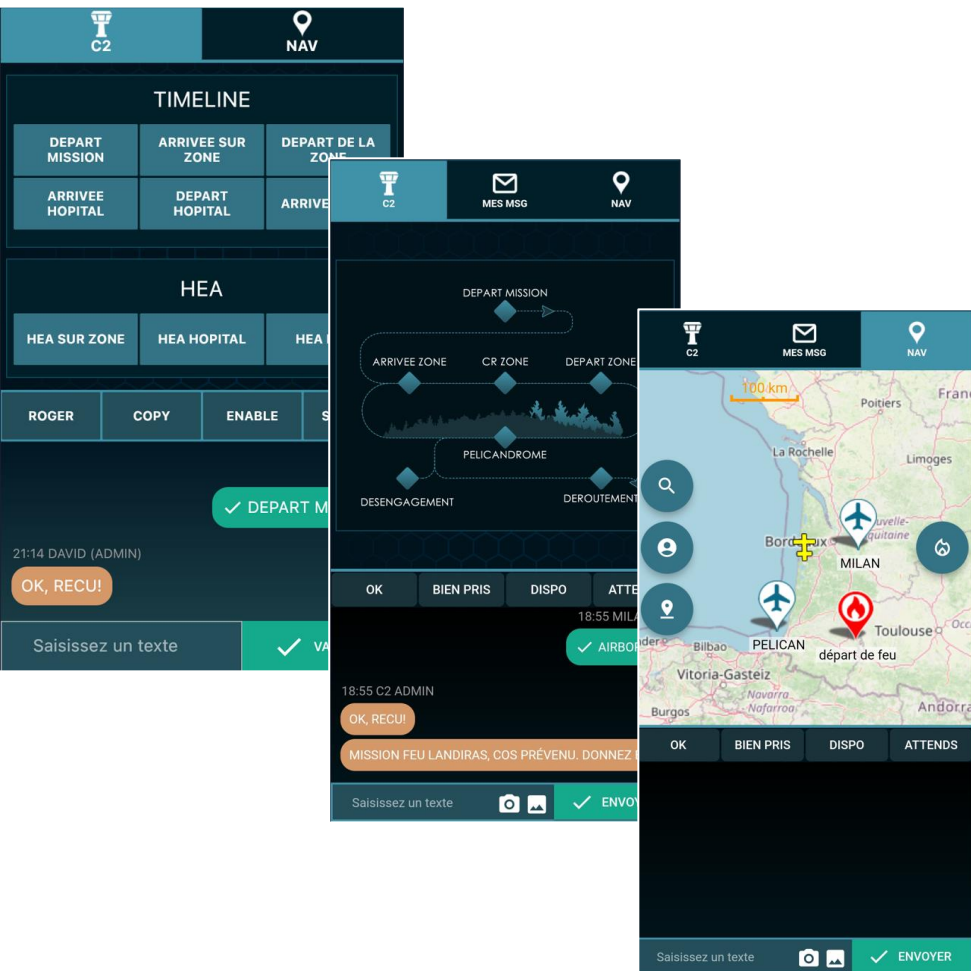


AIRCRAFT APPLICATION

TAILOR MADE

Interfaces are :

- Co-designed with the end-users
- Dedicated to THEIR mission



USER EXPERIENCE

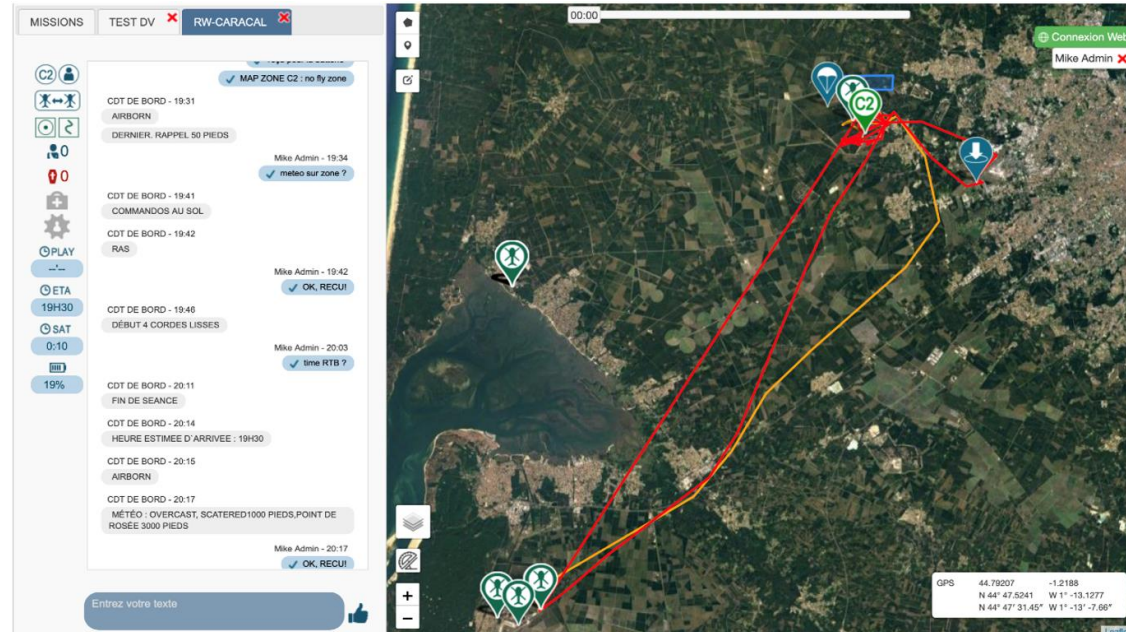
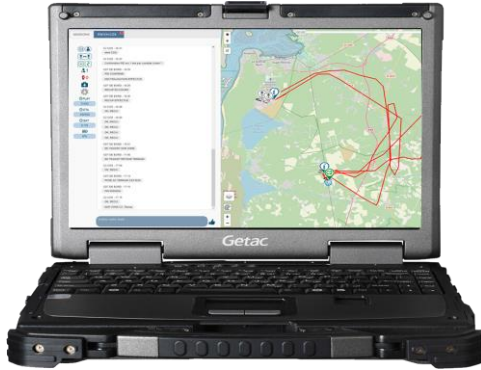
- Simple to use
- Reduced training
- No doubt during mission

APP FEATURES

- Chat with message acknowledgement
- Predefined text messages
- Free text messages
- Blue Force Tracking
- Offline Maps
- Tactical Situation
- Scalable (automatic updates)
- ...

C2 APPLICATION

- One chat per aircraft
- Aircraft / helicopter / drone : position & trajectory
- Real time update
- Tactical situation (Map markers, fire, ...)
- ETA / PLAY TIME
- Connection status
- ...



Free licences for all ground people
discussing with the mission team

(* regarding the server capacity)

A REAL GAIN FOR ALL TYPE OF RESCUE OPERATION

CHANCE OF SUCCESS INCREASED

- Less time for the mission
- No communication problem, clear messages
- Reduce workload

SAFER FLIGHTS

- Team member and drones geolocation
- In case of crash, wreck geolocation
- Reduces stress an doubt

PLUG AND PLAY WITHOUT AIRCRAFT MODIFICATION

- Reduced technical constraints, no integration cost
- Used on YOUR tablets.

MISSION MEMORIZED

- Legal defensibility
- Automatic debrief

SAVE MONEY

- Reduced flight time
- Lower fuel consumption
- Reduced maintenance costs.





AD-WAIBE

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