# L ICAR Congress 8-13<sup>th</sup> October 2019, Zakopane, Poland

# Lifeseeker



# **CELL PHONE**

# THE CELL PHONE IS THE MOST EXTENDED BEACON IN THE WORLD









**Source: Swiss Armed Forces** 





# **ALPNACH - 03:15 AM**

**HELICOPTER TAKES OFF** 

# **47 YEARS OLD**

**MISSING WOMAN** 

# 2,500 M

ALTITUDE

# **HYPOTHERMIA**

SLIGHTLY INJURED AND HYPOTHERMIC

# 20 MIN

TOTAL SEARCH MISSION DURATION

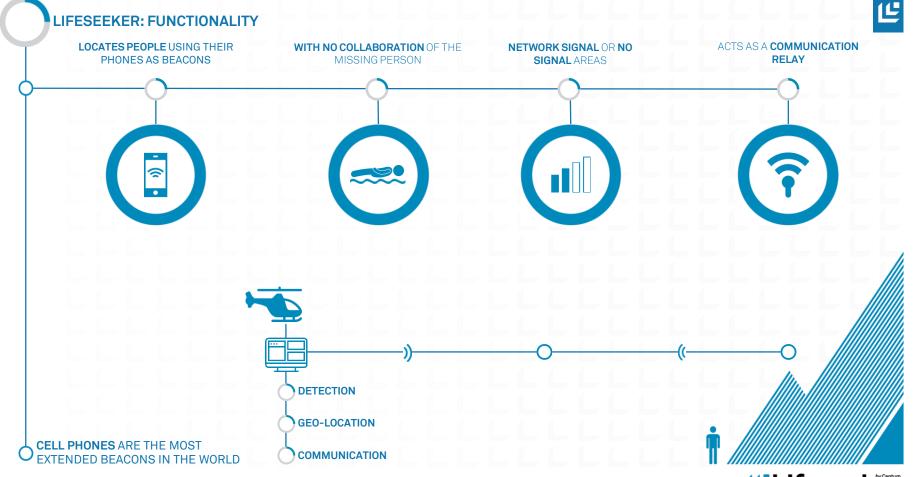
**15 MIN** 

CELL PHONE CONNECTED (ONCE IN THE AREA)

5 MIN

**CELL PHONE LOCATION (ONCE CONNECTED)** 





# **Lifeseekër**

MAIN ADVANTAGES **INSTRUMENTAL SEARCHING** 

FOG 

**NIGHT** FLIGHTS

AIIIIIII

LOW OR NO VISIBILITY

SEARCH

CONDITIONS

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**REDUCING SWEEP TIME** 

**REDUCING OPERATION COSTS** 

**RADIUS OF DETECTION** 

SEVERAL NM

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LIFESEEKER: NEW SEARCHING PARADIGM





**RUBBLE** (EARTHQUAKES)

**FOLIAGE** (FOREST)

DETECTION

UNDER

**Lifeseekër** 

**SNOW** (MOUNTAINS)

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# **Lifeseekër**

SIMULATOR

**HISTORY MISSION** 

TRAINING

RECORD

MISSION DEBRIEFING







DETECTION

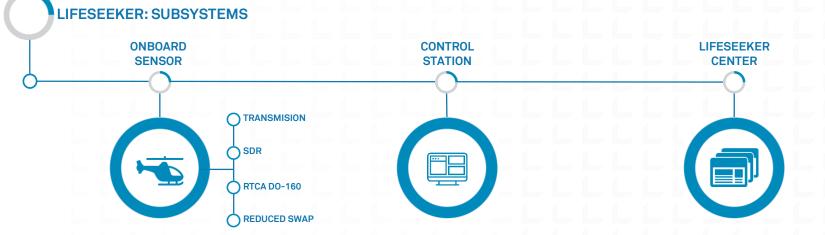




HTML 5 (MULTI-OS)

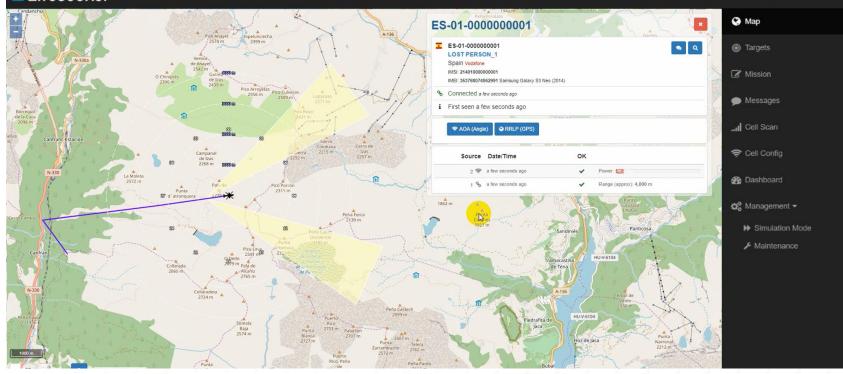


INTELIGENCE AND CONTROL



### LIFESEEKER: USER FRIENDLY OPERATOR INTERFACE

Lifeseeker



# **Lifeseekër**

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SAR -

📥 david.casasnovas@centum-rt.com 👻

# STANDARD SHORT ATR RUGGED BOX



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# **Lifeseeker**



# SR110

NO SIGNAL AND POOR SIGNAL AREAS

# **SR200**

NO SIGNAL AND 2G (GSM) AREAS

# **SR300**

NO SIGNAL, 2G (GSM) AND 3G (UMTS) AREAS

**SR400** 

NO SIGNAL, 2G (GSM), 3G (UMTS) AND 4G (LTE) AREAS











### LIFESEEKER FOR HELICOPTERS





SPACE RESERVED FOR YOUR INTEGRATIONS



### LIFESEEKER: REMOVABLE INTEGRATION



**Lifeseekër** 

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BELL 429 (BOMBERS – PRINCIPAT D'ANDORRA)

### LIFESEEKER: REMOVABLE INTEGRATION



### MINOR CHANGE APPROVAL

### 10067016

This Certificate/Approval is issued by EASA, acting in accordance with Regulation (EU) 2018/1139 on behalf of the European Union, its Member States and of the European third countries that participate in the activities of EASA under Article 129 of that Regulation and in accordance with Commission Regulation (EU) No. 748/2012 to

Type Certificate Number: EASA.IM.R.506 Type Certificate Holder: BELL HELICOPTER TEXTRON CANADA Type: Bell 429 Model: 429

Description of Design Change: Flight Manual Supplement for the installation of the mobile phone location system "Lifeseeker model SR 200" by Centum Research and Technology.

### **EASA Certification Basis:**

The Certification Basis (CB) for the original product remains applicable to this certificate/ approval. The requirements for environmental protection and the associated certified noise and/ or emissions levels of the original product are unchanged and remain applicable to this certificate/ approval.

### Associated Technical Documentation:

CETA Flight Manual Supplement (for BHT—429-FM-1), doc. ref. D1801-0010 Edition 1, dated 24 September 2018, or later revisions of the above listed document(s) approved/accepted under the EASA system.



# **Lifeseekër**

### LIFESEEKER: REMOVABLE INTEGRATION







Easy to mount and unmount:

< 5 minutes

# **Lifeseeker**

### LIFESEEKER FOR FIXED WING

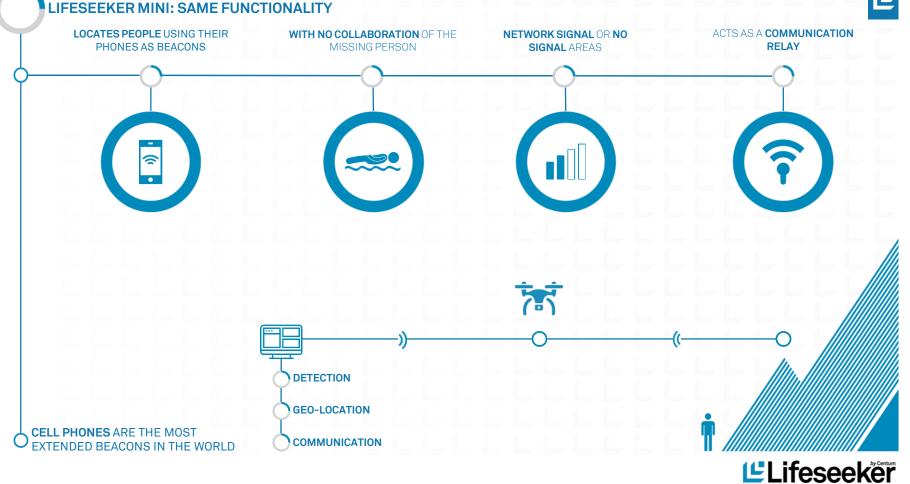






# WHAT IF THE AERIAL MEANS ARE NOT AVAILABLE



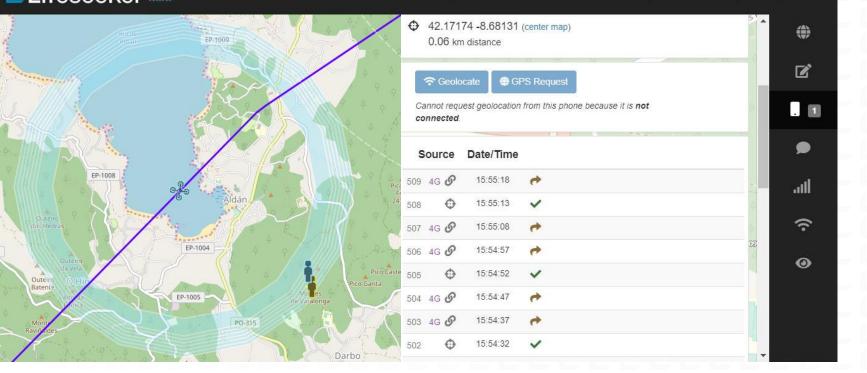


### LIFESEEKER MINI: SAME FUNCTIONALITY

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💄 Log in 👻

## Lifeseeker Mini



4G + 4G

TX ON

Number (2019-05-31 15:50) -

# **Lifeseeker**



**Lifeseekër** 

### LIFESEEKER MINI FOR DRONES



SPACE RESERVED FOR YOUR INTEGRATIONS





# 01

LIFESEEKER IS ALREADY **SAVING LIVES** IN EUROPE AND THE US



ABLE TO OPERATE UNDER ALL NETWORK SIGNAL CONDITIONS: 4G, 3G, GSM AND NO SIGNAL AREAS

# 03

WHEN THE AERIAL MEANS ARE NOT AVAILABLE, LIFESEEKER MINI CAN BE INTEGRATED IN A DRONE OR BACKPACK WITH:

- SAME FUNCTIONALITY
- ADAPTED PERFORMANCE
- REDUCED SWaP (SIZE, WEIGHT and POWER)



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# **Lifeseekër**

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