ICAR Congress

8-13th October 2019, Zakopane, Poland

Lifeseeker





CELL PHONE



THE CELL PHONE IS THE MOST EXTENDED BEACON IN THE WORLD







MISSING WOMAN SAVED IN THE ALPS BY SWISS AIR FORCE WITH LIFESEEKER





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

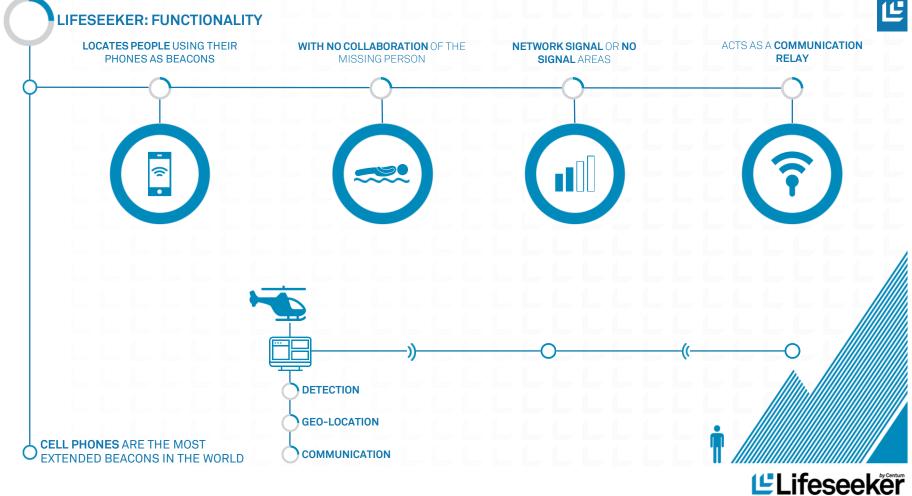
CELL PHONE CONNECTED (ONCE IN THE AREA)

5 MIN

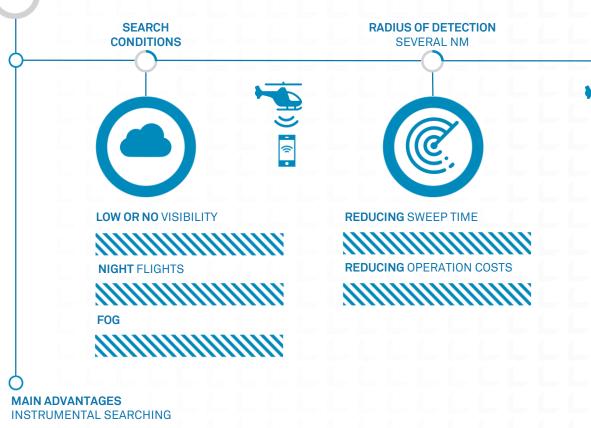
CELL PHONE LOCATION (ONCE CONNECTED)







LIFESEEKER: NEW SEARCHING PARADIGM





FOLIAGE (FOREST)

DETECTION

UNDER

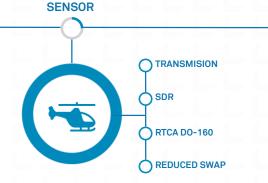
SNOW (MOUNTAINS)

RUBBLE (EARTHQUAKES)



LIFESEEKER: SUBSYSTEMS

ONBOARD



DETECTION

IDENTIFICATION

COMMUNICATION

GEO-LOCATION



CONTROL

STATION

USER EXPERIENCE

HTML 5 (MULTI-OS)

VISUAL EVENT NOTIFICATION



LIFESEEKER CENTER

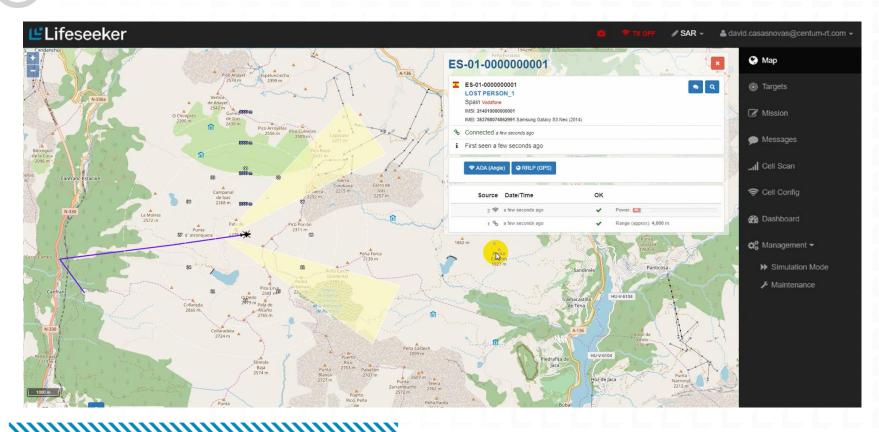
HISTORY MISSION
RECORD
MISSION
DEBRIEFING

SIMULATOR

TRAINING



LIFESEEKER: USER FRIENDLY OPERATOR INTERFACE













SR110

NO SIGNAL AND POOR SIGNAL AREAS

SR200

NO SIGNAL AND 2G (GSM) AREAS



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

SR300

SR400

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









LIFESEEKER FOR HELICOPTERS

















SPACE RESERVED FOR YOUR INTEGRATIONS



LIFESEEKER: REMOVABLE INTEGRATION



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:

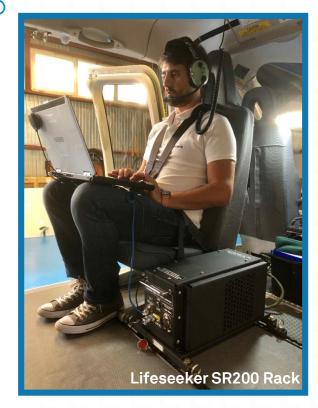
CETA Flight Manual Supplement (for BHT—429-FM-1), doc. ref. D1801-0010 Edition 1, dated 24 September 2018,

or later revisions of the above listed document(s) approved/accepted under the EASA system.





LIFESEEKER: REMOVABLE INTEGRATION







Easy to mount and unmount:

< 5 minutes



LIFESEEKER FOR FIXED WING







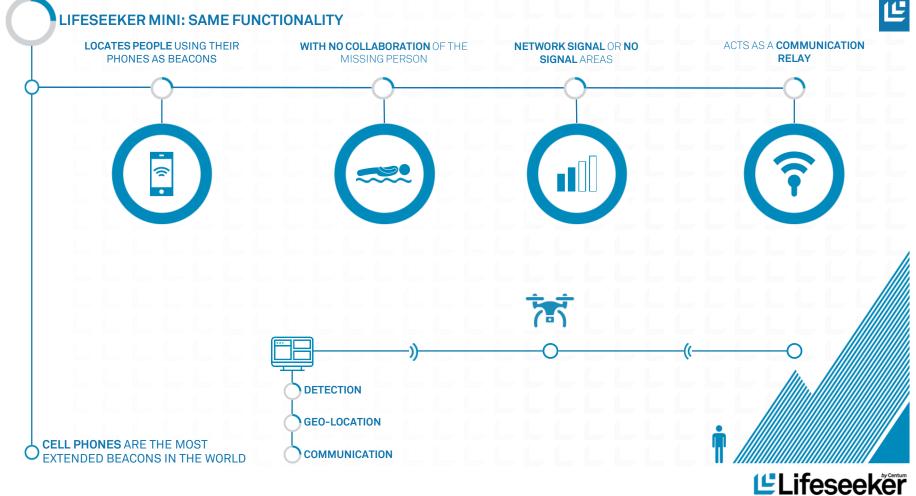




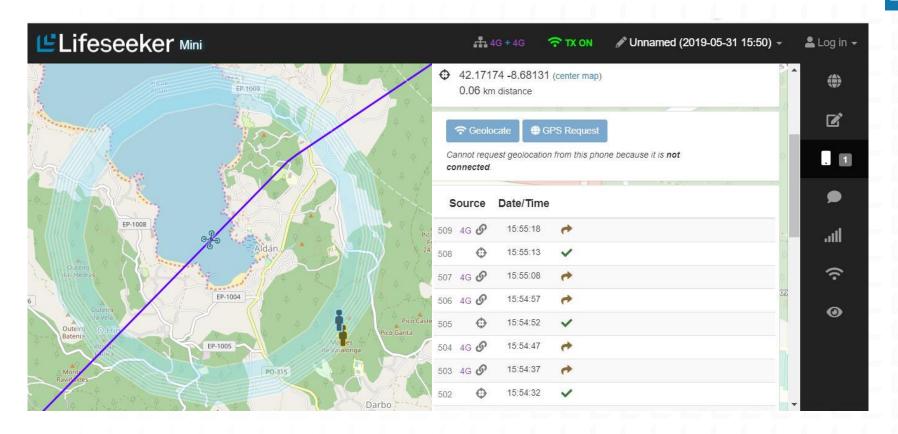
WHAT IF THE AERIAL MEANS ARE NOT AVAILABLE

























SPACE RESERVED FOR YOUR INTEGRATIONS





01

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



02

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)





