



MARKETS & MISSIONS

Critical Missions



Search & Rescue
Fire fighting
Sea Surveillance
Emergency
Communications
Early Response
Drug trafficking
Kidnapping









SBTS – Sensing Base Transceiving Station

Capabilities

SIGINT/COMINT sensor...





Identification



Communication



Geo-location







Mobile phones are the most extended beacons in the world

SBTS - CURRENT FEATURES

Key functionalities



GSM Voice and SMS services

GSM Detection and Geo-location

Flexible and scalable onboard system

Operation range 300MHz – 2.5GHz

Reduced SWaP (Size, Weight & Power)

Aerospace standards (DO-160, DO-178B)

System features







TACTICAL UAS



LIFESEEKER



Maximum Success in Search & Rescue Missions

Functionality

- Locate a lost person through his/her mobile phone
- Acts as a communication relay

Detection















LIFESEEKER - SUBSYSTEMS

LifeSeeker includes two subsystems:

Onboard sensor:

- Detects and locates GSM transmissions
- Sends geographic coordinates of the transmission to the control station



Control station:

- Provides system intelligence and operational control
- '• Easily adapted to mission needs



LIFESEEKER - CONTROL STATION

Provides HMI (Human Machine interface)

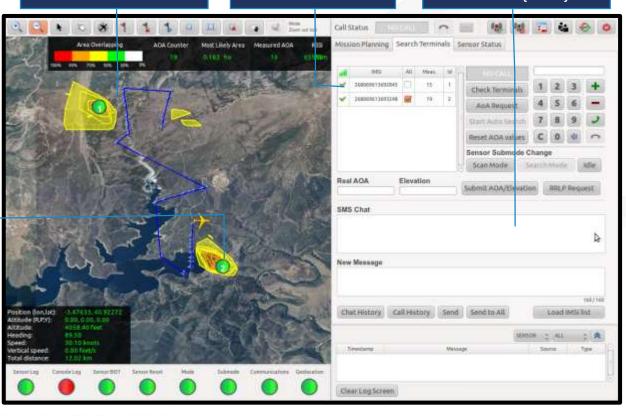
Control of the on-board sensor

GIS Integration

IMSI selection (detection)

Mobile device communication control (SMS)

Geo-location
algorithm and
data
presentation



Other features:

- User management
- Mission planning



LIFESEEKER - INTEGRATION & FLIGHT TESTS









LIFESEEKER - FUNCTIONAL SPECIFICATIONS

Features	SR-100	SR-200	SR-300*
Mission	Search & Rescue	Search & Rescue	Search & Rescue
GSM detection	Yes	Yes	Yes
GSM identification	IMSI	IMSI and IMEI	IMSI and IMEI
GSM geo-location	AoA	AoA and RRLP	AoA and RRLP
Targets	Single	Multiple	Multiple
GSM communications	SMS	SMS and voice	SMS and voice
2G network operation	No	Yes	Yes
3G network operation	No	No	Yes
Black- & whitelists	No	No	Yes
Intra-cell communications	No	No	No
Backhauling	No	No	No

*Available in Q1 2016







LIFESEEKER - FURTHER INFORMATION

Link to Products

http://centum-rt.com

Product Brochures

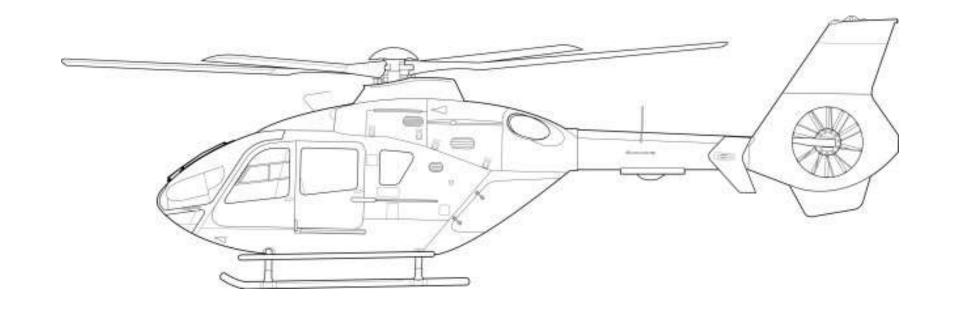
LifeSeeker (EN)

Product Videos

SBTS









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