

# Portable Aircraft Tracking System



Live Stream Aircraft data minute by minute

**Helitracker** offers a powerful cloud / private server based software solution developed according to the current aviation regulations and your flight department's requirement in mind. Though customizable, the software by itself meets several advanced features making it the only aircraft tracking solution an operator will need.

Helitracker web portal is user friendly and puts flight information at the palm of the flight manager. Helitracker is also a great tool for SAR operations. With advance features like built-in accelerometer & inclinometer, the operator will be able to meet all GADSS requirements.

## What is GADSS?

ICAO (International Civil Aviation Organization) launched the Global Aeronautical Distress Safety System (GADSS) largely in response to the loss of flights AF447 and MH370. GADSS contains Standards and Recommended Practices (SARPs) that establish what is expected of airlines and aircraft operators for tracking aircraft in normal conditions as well as when an aircraft is in distress.

Operators are expected to receive positions at least once every 15 minutes during the normal conditions of flying. In case of any distress, operators will be able to track their aircrafts and helicopters automatically at least once per minute, The SARPs relating to the location of an aircraft in distress came into effect in January 2021.

## Sailent Features:

- GADSS Compliant
- Cloud or Private Server based options
- AFF (Automated Flight Following) features
- Automated Distress Tracking
- Situational awareness for crew & operators
- Built In asset information management
- Effective flight planning & logistics management tools
- Track your fleet on a Map view with different map option
- Lists target update with date & time.
- Identifies targets as – Active / Sleeping / Lost
- Alert settings for change in altitude, heading, speed
- Dedicated app based SOS
- Short burst 2 way messaging, SMS & Email
- SOS alert button on device & mobile app
- Pitch, Roll & Speed alert
- Breaching, Geo-Fence & SOS alert sent by Email / SMS
- Geo-fencing can be set for curricular area / polygon
- SOS continued until acknowledged.
- Static marker with icon can be created
- History of flight record can be retrieved for playback
- Export route to Google Earth / Excel format for analysis
- NOTAM & METAR weather data
- Alerting method Beep sound on the Web portal / Email
- Last known position sent as map link.

## Reports:

- > Position history & OTA message
- > Flight analytics
- > Take off & landing
- > Breach, Geofence, SOS, Pitch & Roll
- > Device Log on / Log off
- > Any customized requirement

## Helitracker Cockpit Placement





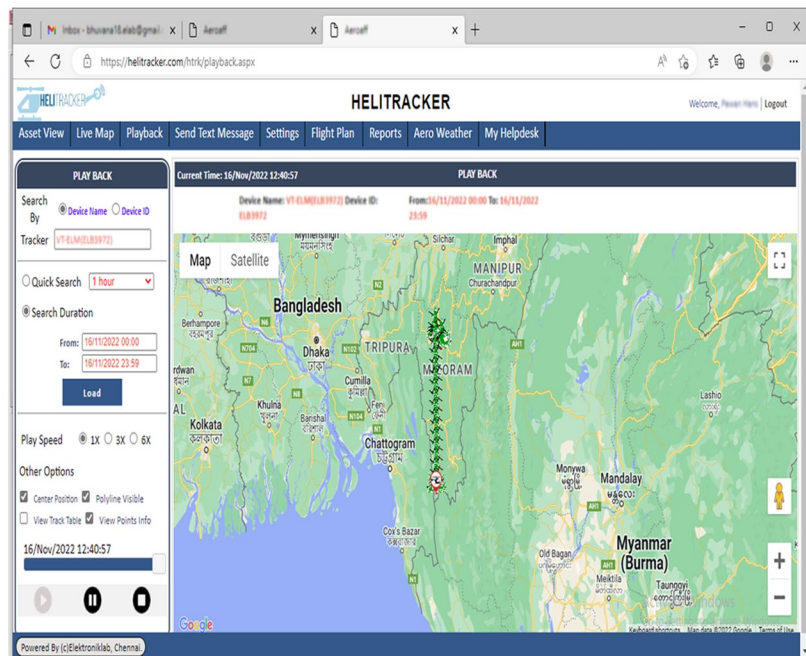
## Specifications

- Dimension (175x130x45) mm
- Weight 750 gms
- Time tested Inmarsat satellite network
- Hand portable stand-alone unit  
(No installation/ No interface with Aircraft)
- Integrated 56 channel GPS
- Typical Latency: <10 sec,
- Elevation Angle: -15° to +90°
- GPS/GLONASS Acquisition Time: Hot 1s; Cold:29s/30s
- Max speed useable upto 1800 km /hr
- Max altitude upto 49,900ft
- Inbuilt Battery 7.4V,10.5Ah
- Inbuilt Panic button, BLE for communication, accelerometer
- **Environmental Specifications:**
  - Water & Dust ingress protection – IP67
  - Operating Temperature -10°C to 55°C
  - Humidity – 95% @ 40°C
  - Drop – Survives at 1 meter drop



## Automatic fleet following with Helitracker

You can't be everywhere but Helitracker can!



## About Elektronik Lab

- Specialised in ISR (Intelligence, Surveillance Reconnaissance)
- Leading satcom solutions provider for LAND, SEA and AIR
- 20 Years of Experience in Satcom integration and customisation
- Satcom services for over 150 aircrafts
- Over 3000 AIS (Marine & Aero) installed base
- End to end Tsunami detection & warning solutions
- Elab's Domain awareness AIS networks used worldwide
- Expert in cloud based tracking solution (AIS, Satcom, GPRS, Acoustics).



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