



# AIRMAN AERONAUTICS

An IIT-Madras Incubated Startup, Revolutionising Aviation.

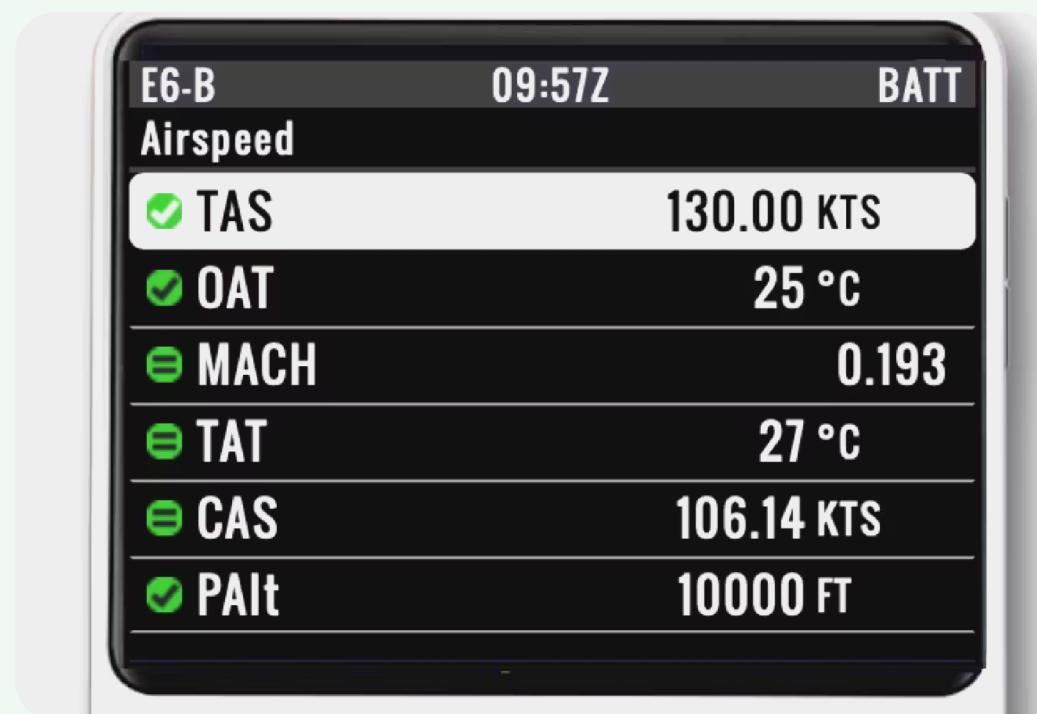
**XB-70** World's most  
Advanced portable Flight  
Computer.

**One Device,  
One Sky,  
Every Pilot,  
Every Altitude...**

**Pre-flight Planning  
In-flight Monitoring  
Post-flight Analysis**



# Pre-flight Planning.



# Primary Navigation Calculations

# Great Circle & Rhumb Line

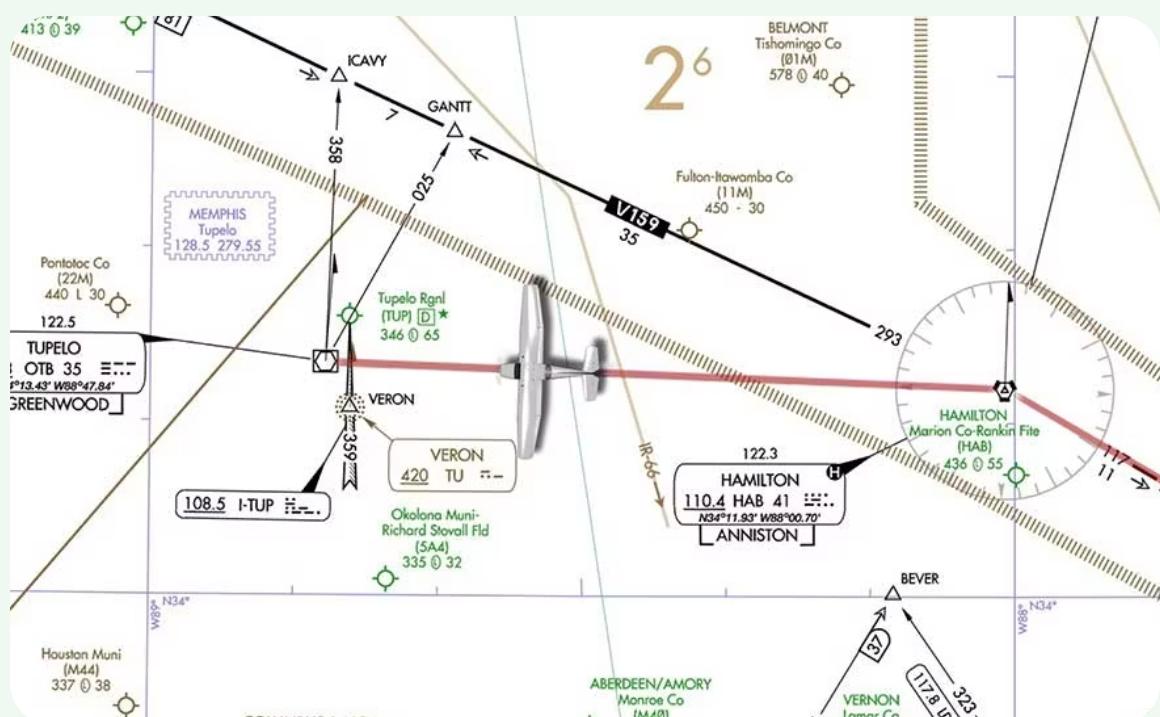
## Climb, Descent & Glide

# Wind Correction

# Time & Chart

# Speeds

# Altitude



# Radio Navigation Calculations

## Holding Patterns & Intercept

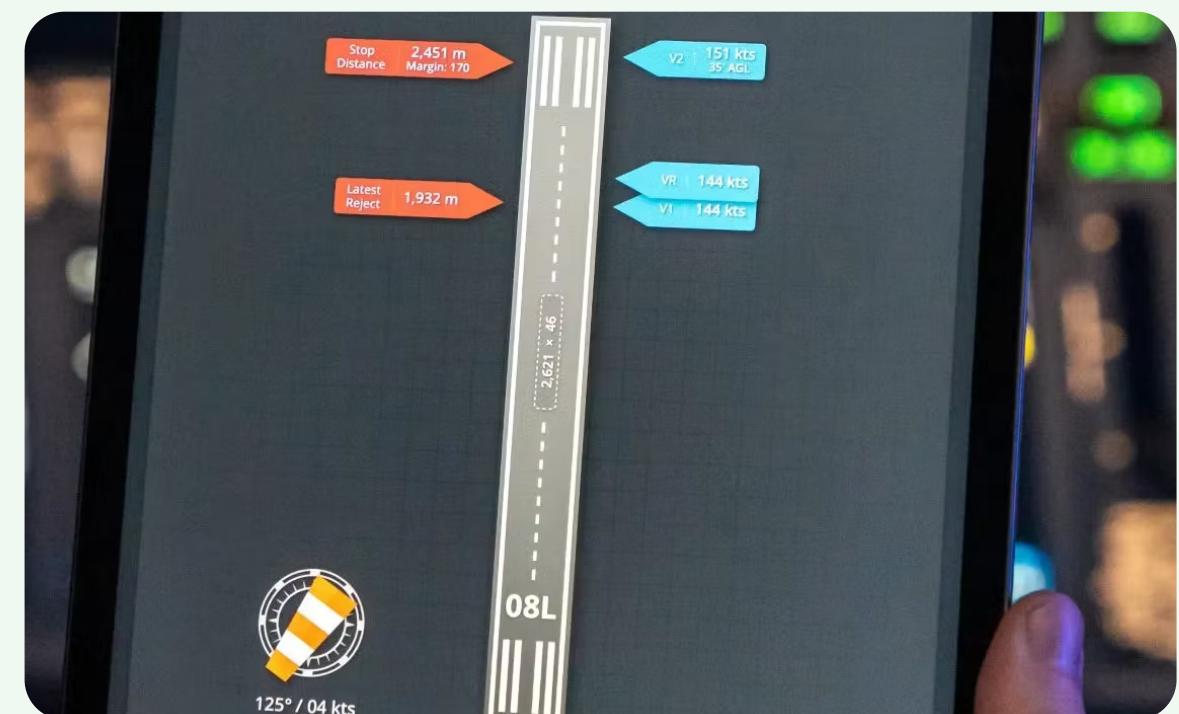
# Frequency & Wavelength

# Compass Heading

**ADF/NDB**

VOR/DME

ILS



# Take Off Performance calculations

## Maximum Take-off Weight (MTOW)

## Point of Equal Time (PET)

## **Point of Safe Return (PSR)**

# Center of Gravity (C.G)

# Fuel Calculations

# V-Speeds

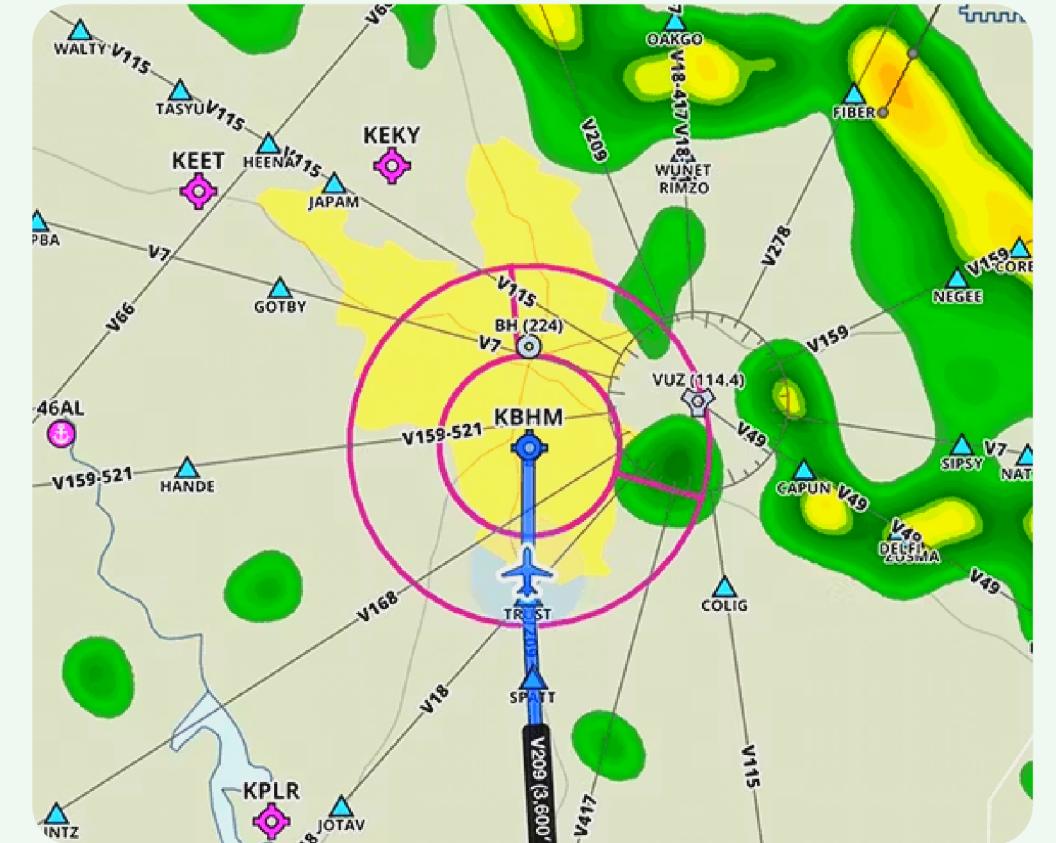
# In-flight Monitoring with Real-time data.



**Electronic Flight  
Instrumentation System**



**Satellite + Ground  
Based Navigation  
Systems**



# Electronic Flight Instrumentation System.

Inbuilt with Advanced Sensor Technology,  
Works as **Stand-by Cockpit** Instrument.

- **Attitude & Heading Reference System (AHRS)**
- **G-Force**
- **Altitude (BARO)**
- **Vertical Speed**
- **Outside Air Temperature (OAT)**
- **R.Humidity**
- **CO Monitoring**
- **SLIP/SKID Indication**



# Global Navigation Satellite System.

Utilise advanced GPS technology for Accuracy.

- **Multi-constellation Satellite Support**
- **L1,L2 & L5 Bands**
- **ALTITUDE (GPS)**
- **Magnetic Track**
- **Magnetic Heading**
- **Ground Speed**
- **Distance to Next Waypoint**
- **Time to Next Waypoint**
- **Anti-jamming Technology**
- **Supports USA, CANADA, EUROPE, CHINA, JAPAN, AUSTRALIA & INDIA Satellites.**
- **Position Accuracy <1m.**



# Ground based Navigation (VOR).

Integrated Horizontal Situation Indicator allow pilots to get better situational awareness in areas where GPS signal is not available.

- **Relative Bearing**
- **Distance to/from Station**
- **Radial to/from Station**
- **Speed calculations**
- **Course Deviation**
- **VHF Frequency Bands**



# Instrument Landing System (ILS).

ILS provides guidance to Pilots for landing.

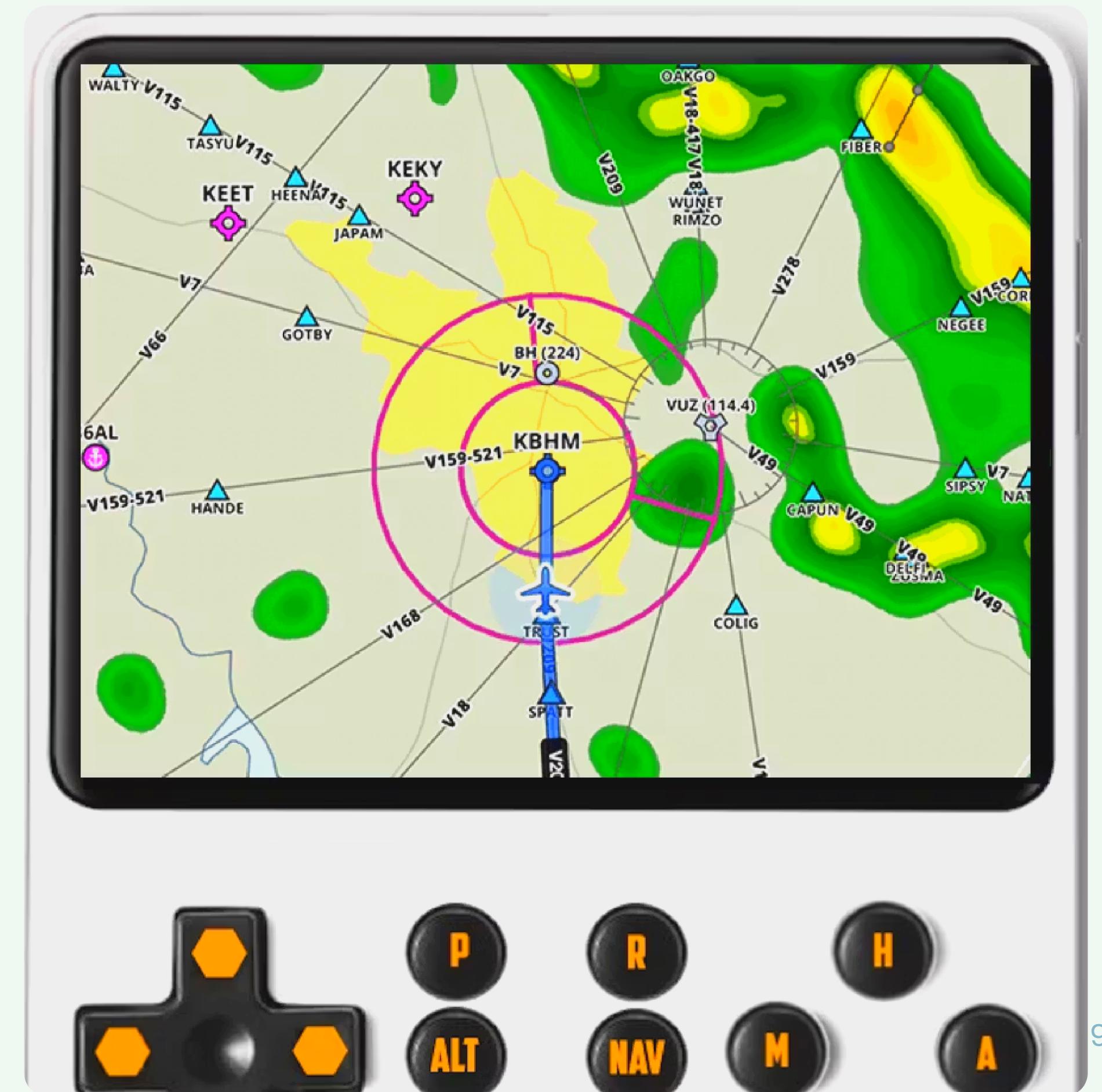
- *Precision Landing*
- *Low Visibility operations*
- *Guided Approach*
- *Safe Touchdown*
- *Localiser & Glideslope*
- *EFIS Integration*
- *Enhance Safety*



# Real-time Weather & Traffic Information.

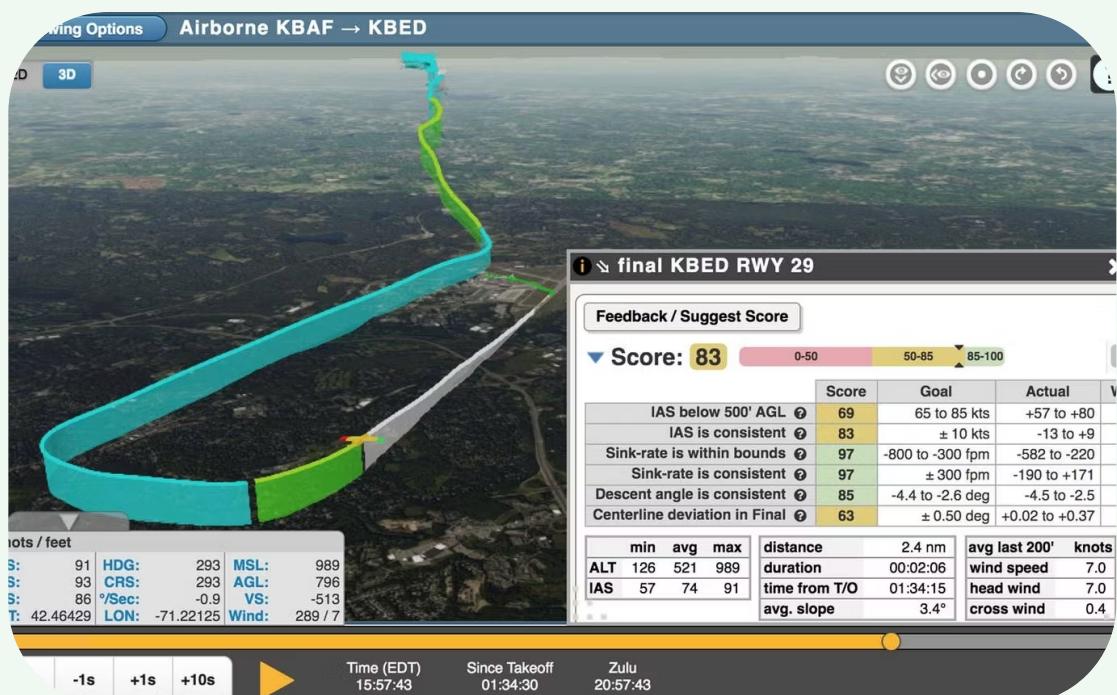
Built-In systems provides Live weather and Aircraft Traffic.

- **ADS-B (IN & OUT)**
- **FLARM**
- **Traffic Information Service - (TIS-B)**
- **Flight Information Service - (FIS-B)**
- **N.AMERICA, EUROPE, AUSTRALIA & NZ,  
JAPAN, INDIA, CHINA.**
- **VHF & UHF Frequency Bands.**



# Post-flight Analysis.

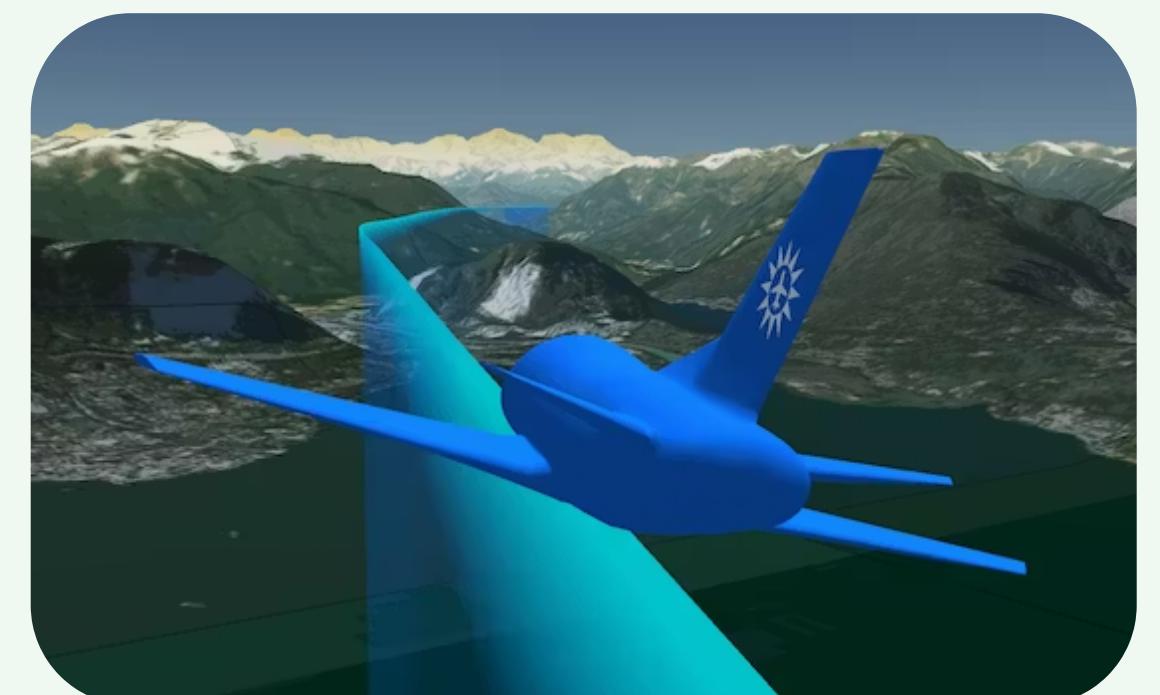
- **View 2D/3D flight path with Geo-spatial data**
- **Advanced Insights for Pilot Training to Enhance Skills**
- **Secured Cloud Storage of Flight data**
- **360 Viewing Angle with Data points**
- **Aeronautical Charts embedded from Boeing ( JEPPESEN )**
- **Compatible on Any device ( Android, Windows, IOS )**



Detailed Flight Analysis Report



3D final Approach & Landing



3D Approach Preview for En-route

AIRMAN AERONAUTICS

"The **XB-70**: An Advanced Aviation Tool that Redefines the Journey of Piloting. Enhancing Pilot skills and elevating Safety standards, it unlocks new possibilities in aviation technology.

Together, we can create safer Skies."