



# AIRMAN AERONAUTICS

An IIT-M Incubated Startup, Revolutionising Aviation.

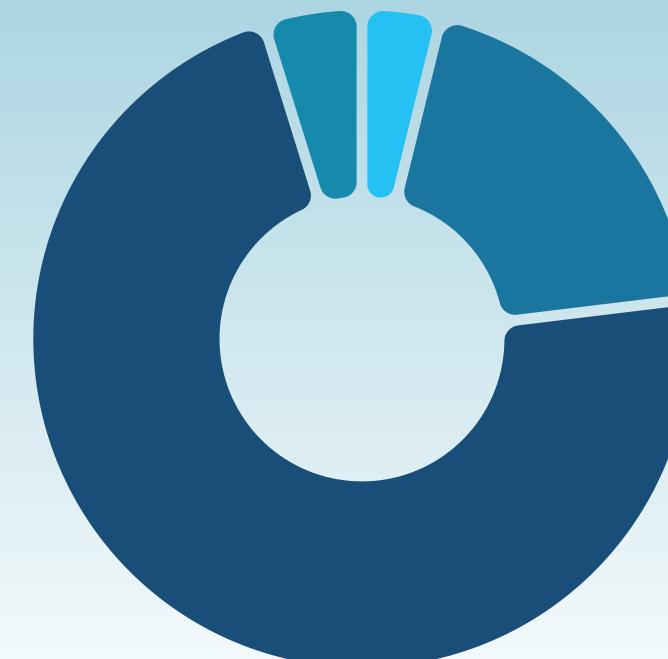
# AIRMAN TEAM



**Sudersan GB**  
Founder & CEO  
Ex-BMW, Pilot, B.E, MBA

## Shareholding Structure

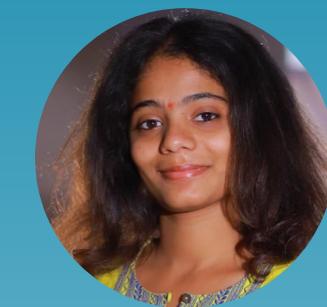
**Sudersan GB = 71%**  
**ESOP = 20%**  
**Praveen K G = 5%**  
**IITMIC = 4%**



**Khandoker M**  
Head of Product  
Design



**Praveen Kumar**  
(COO)



**Ashwini R**  
Business  
Analyst



**AJAY R**  
Project  
Coordinator



**Subhash N**  
Digital  
Marketing



**Gopi J**  
Embedded  
Developer



**Capt. Abhinav  
Singh**  
Ex-IAF  
5000+ hrs



**Capt Mayank  
Garg**  
CFI-IGRUA  
7500+ hrs



**Puvi Arassan**  
Financial  
Advisor  
ex-BIB, NY

## Advisory Board Members

## **MISSION:**

We are redefining the future of aviation by fusing **Artificial Intelligence** in **Real-time Mobility** with **Augmented Navigation** ( AIRMAN )— transforming how **Aerial Vehicles** Think, Respond, React and Evolve continuously with Technology that **Adapts, Assists, and Augments** with safety at the core.

## **VISION:**

To build the World's first Unified **AI flight intelligence system** — connecting **Pilots, Aerial Vehicles, Maintenance Engineers** and **Airspace data** through Real-time mobility across all forms from training to autonomy.

# Problem Statement

Since 1955, over **70%** of **Aircraft accidents** have stemmed from **Pilot error**. Legacy training systems remain **costly, outdated, and ill-equipped** for real-world demands. To build a **safer future**, we must empower pilots with **intelligent, accessible technologies** that elevate situational **awareness, decision-making, and resilience under pressure**.

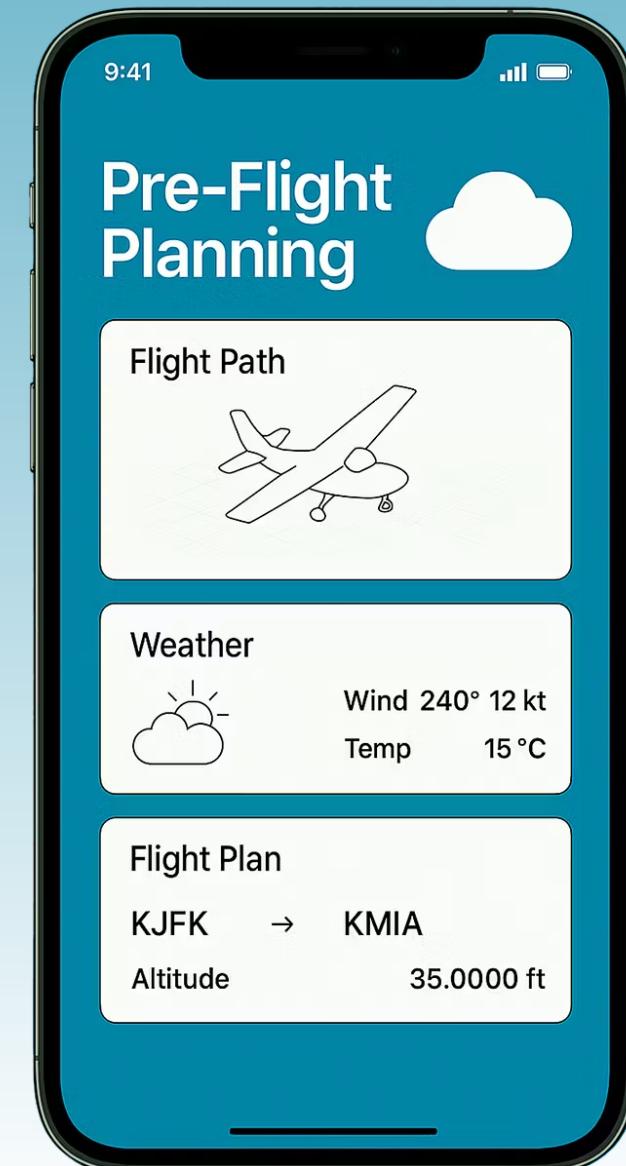
## How We Solve It

At AIRMAN, we are Revolutionising Flight training with **AI & XB-70**, the world's most advanced **portable Flight Computer**. Designed to meet the demands of modern pilots, which enhances **situational awareness and decision-making** both on **Ground** and in **Air**.

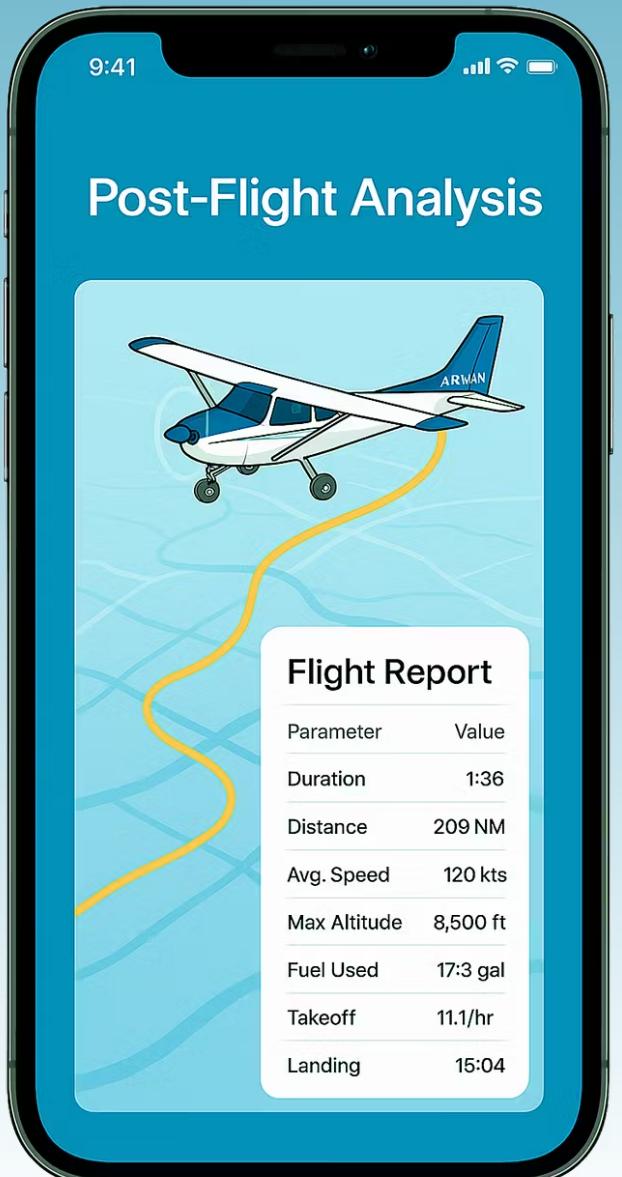
- The XB-70 consolidates multiple aviation tools into a **single, intuitive device**, eliminating the need for outdated, fragmented solutions.
- It enhances **Pre-flight planning, In-flight navigation, and Post-flight Analysis**, ensuring pilots have all critical data at their fingertips.

# AI meets Aviation

## Pre-flight Planning with **MAGS™** (Mission Aware Guidance System)



## Post-flight Analysis with **FARS™** (Flight Analytics & Review System)

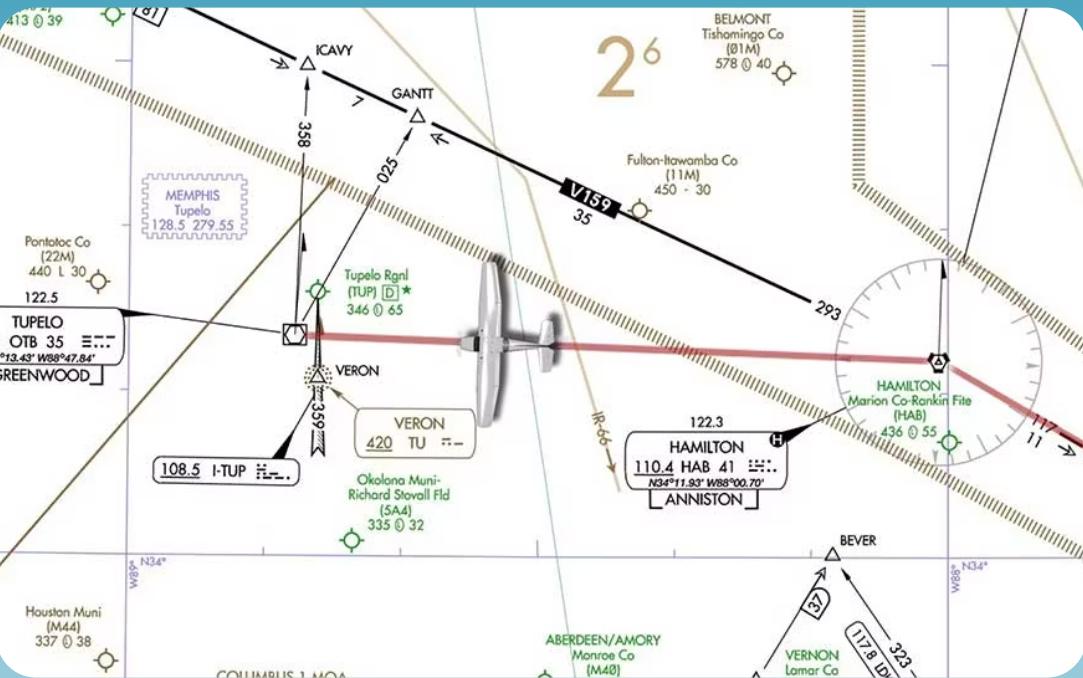


# Pre-flight Planning



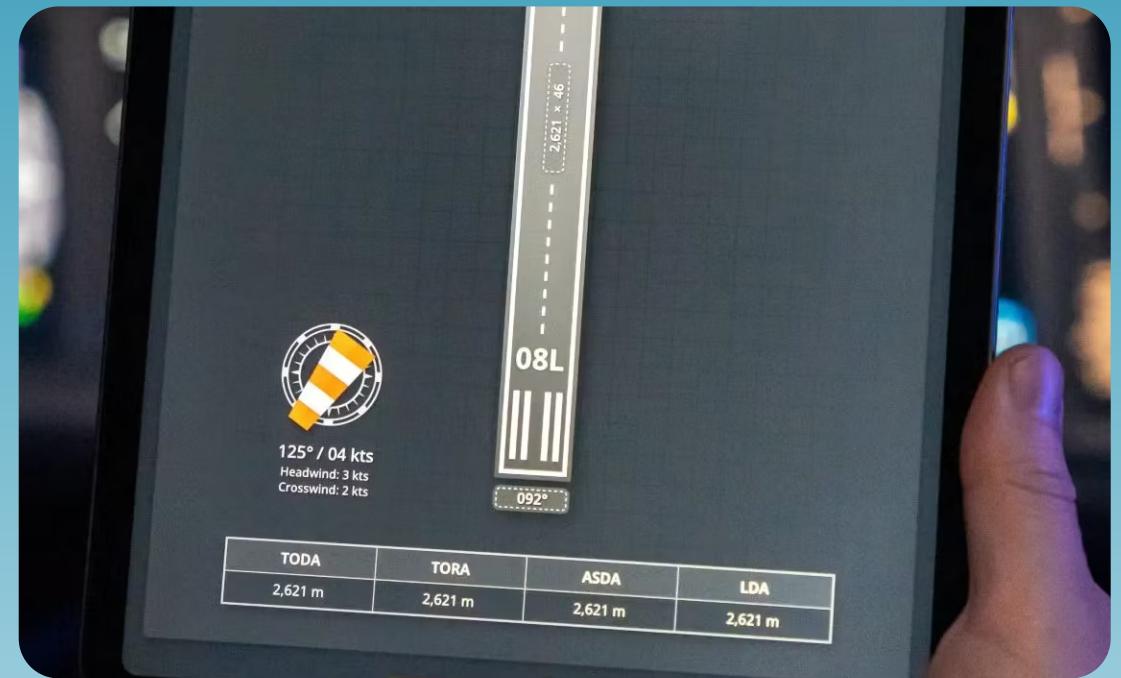
## Primary Navigation Calculations

Great Circle & Rhumb Line  
Climb, Descent & Glide  
Wind Correction  
Time & Chart  
Speeds  
Altitude



## Radio Navigation Calculations

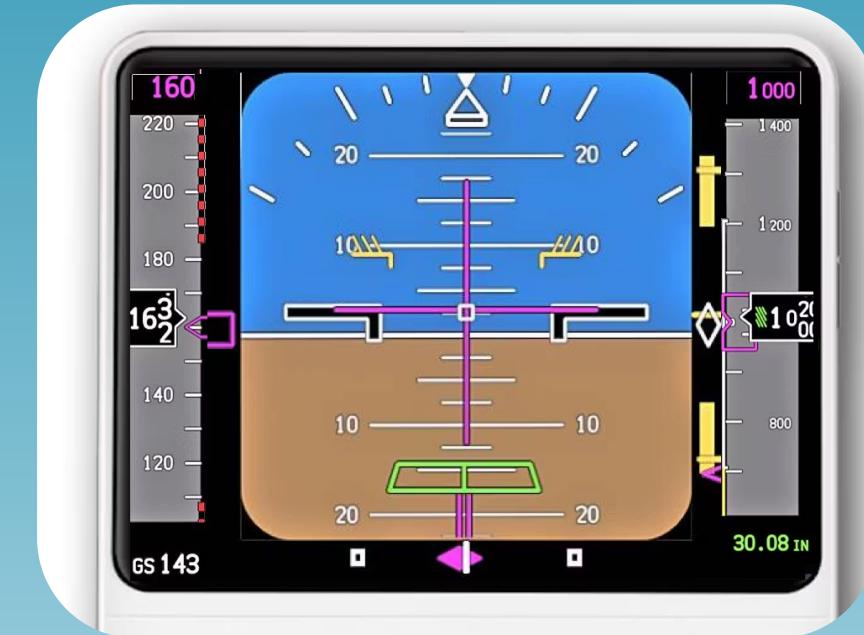
Holding Patterns & Intercept  
Frequency & Wavelength  
Compass Heading  
ADF/NDB  
VOR/DME  
ILS



## Take Off Performance calculations

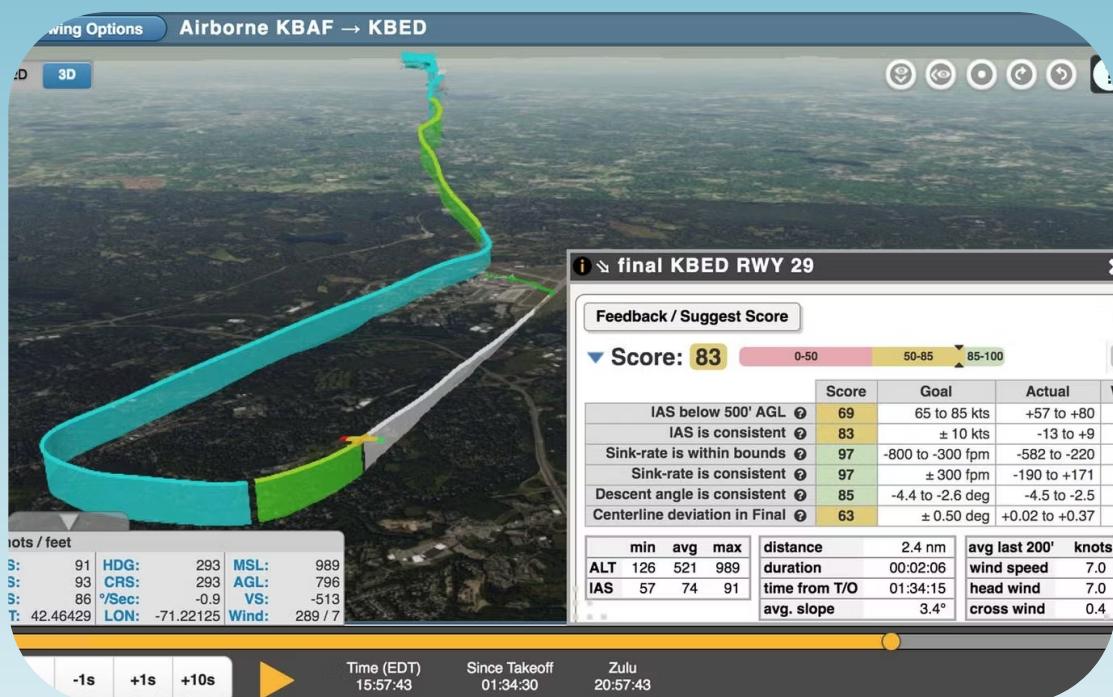
Maximum Take-off Weight (MTOW)  
Point of Equal Time (PET)  
Point of Safe Return (PSR)  
Center of Gravity (C.G)  
Fuel Calculations  
V-Speeds

# Advanced In-flight Monitoring System (AIMS)



# 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 with Pilot Log
- 360 Viewing Angle with Data points
- Aeronautical Charts embedded from JEPPESEN ( BOEING )
- Compatible on Any Web Application device



**Detailed Flight Analysis Report**



**3D final Approach & Landing**



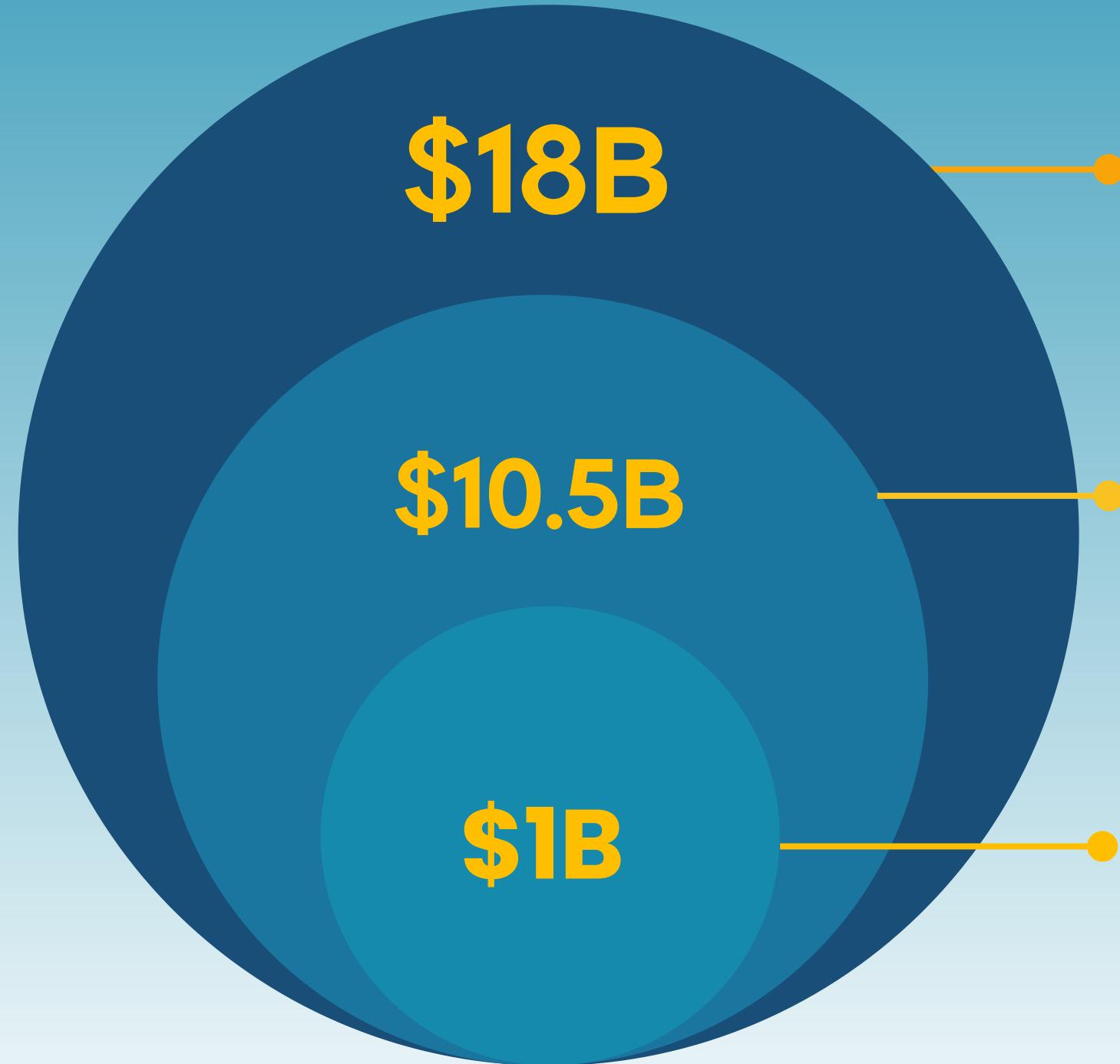
**3D Approach Preview for En-route**

# Competition Analysis



# Market Opportunity

Pilot Training CAGR of 13.8%, Experimental Aircraft CAGR of 6.5%, LSA & U-LSA CAGR of 6.25%



## TAM

Global Pilot training market valued at **\$8B** as on 2023 driven by 6,000+ FTOs. **\$10.5B** comprising Experimental Aircraft, Sea-Planes, Gliders, Ultra-light & light sport Aircrafts.

## SAM

**\$10.5B** generated by Ground Training, Flight Training, and Recurrent Training Globally. Servicing 50% Exp-Aircraft, Gliders, Ultra-light & light sport Category.

## SOM

At **10%** of SAM, servicing Ground & Flight training, Exp-Aircraft, LSA & ULSA markets of North America, Europe, Middle-east & Asia-Pacific region.

Source :

<https://shorturl.at/lx6MZ> ; <https://shorturl.at/S0J6m> ; <https://shorturl.at/zvISX> ; <https://shorturl.at/qN09T> ; <https://shorturl.at/hbbzq>

# Market Strategy

## Social media Branding

Boost presence on Instagram, YouTube with aviation content and UGC - driven reach

## Digital sales

Sell exclusively via website/app & social media platforms for better margins



## Pilot-ship Program

collaborate with pilot influencers and instructors to boost product reach



## Airshows & FTOs

Showcase Airman at airshows and flight schools with immersive experiences



## AIRMAN Community

Foster pilot engagement via a dedicated Discord space



# Operational Road Map

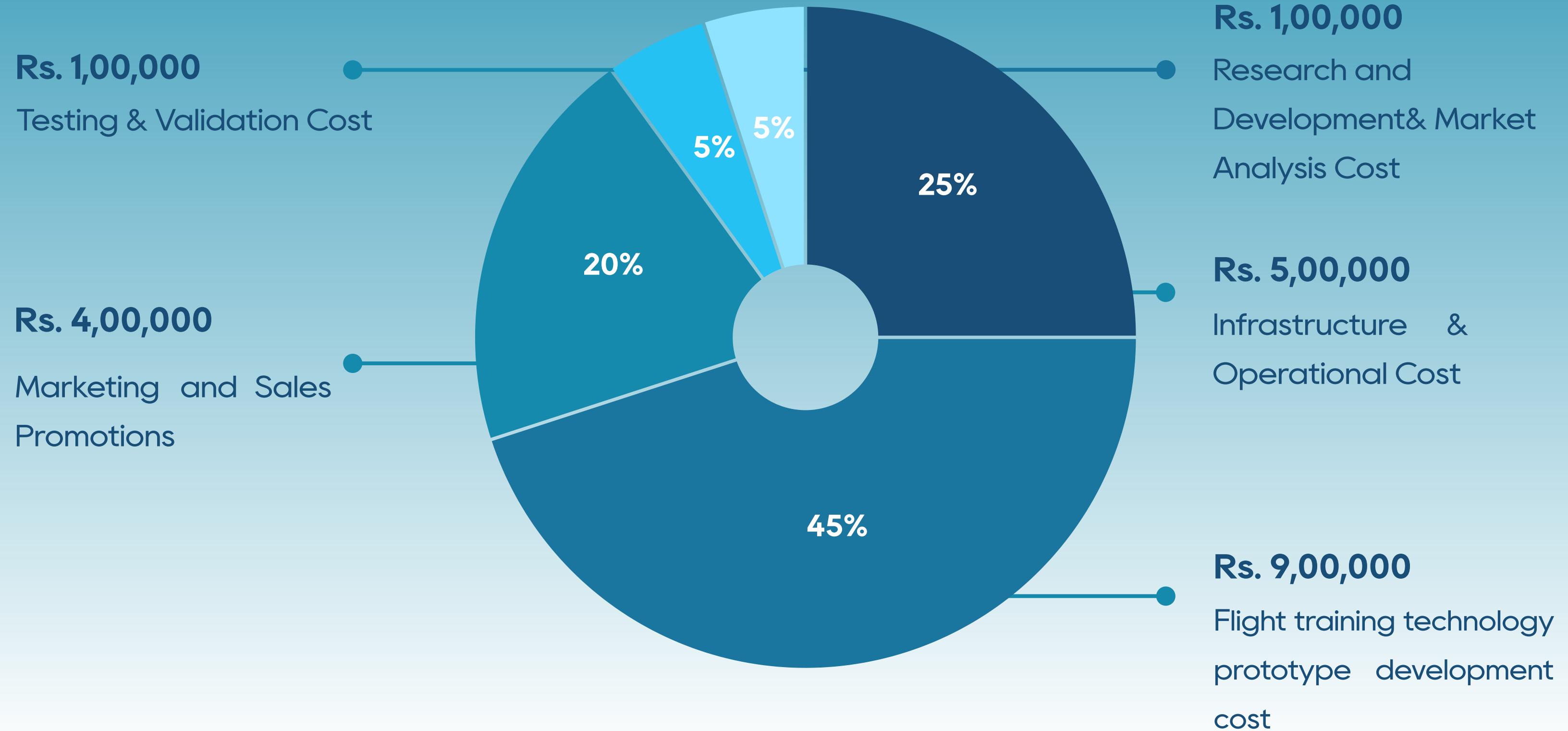
Technological Partners:



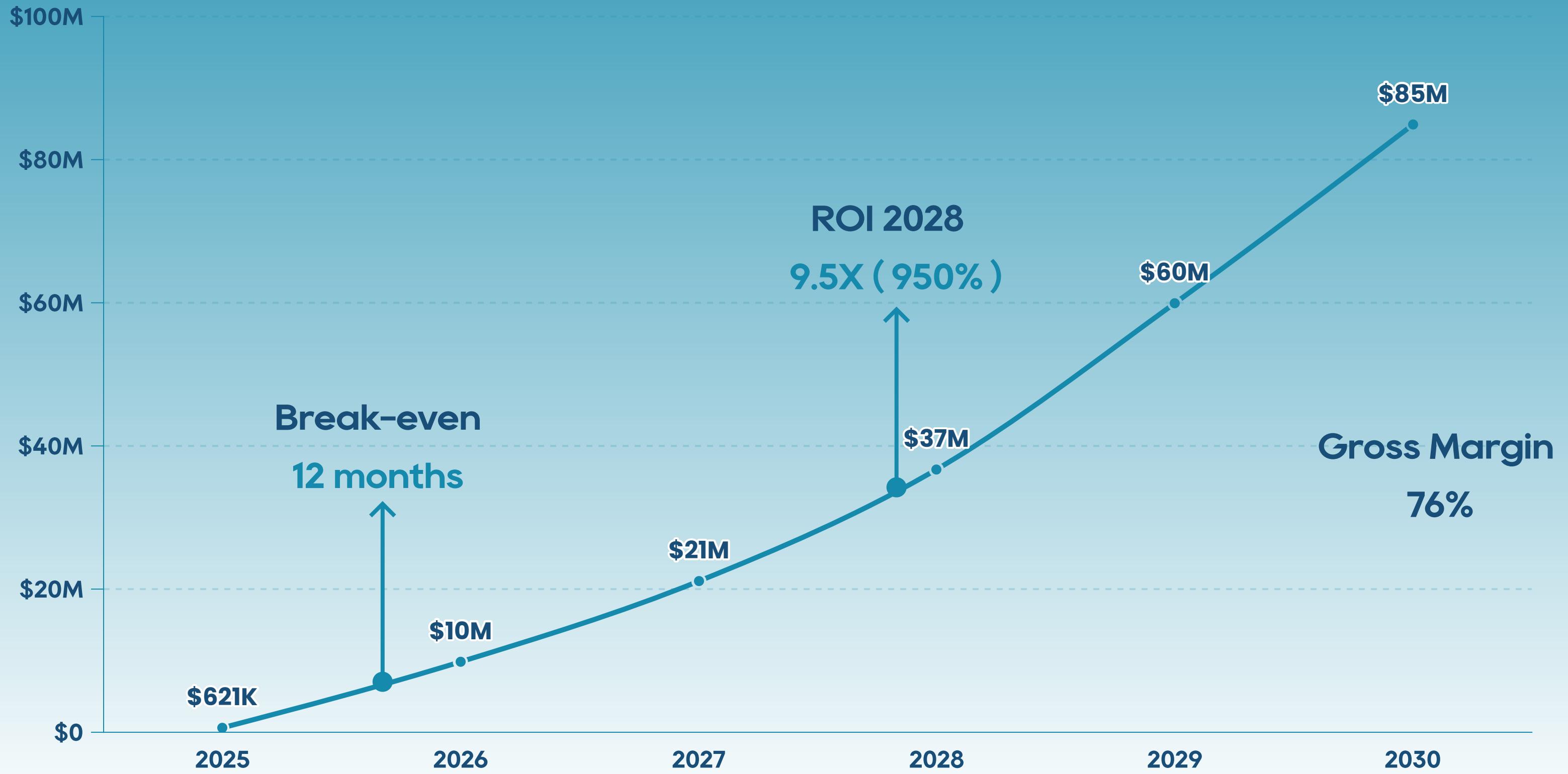
- |  |   |   |   |
|--|---|---|---|
| <ul style="list-style-type: none"> <li><input type="checkbox"/> May – Develop Minimum Viable Product (MVP) with core functionalities.</li> <li><input type="checkbox"/> June – Finalise hardware design and begin software integration in APP</li> <li><input type="checkbox"/> June – Initiate regulatory approval process (FAA, DGCA,</li> </ul> | <ul style="list-style-type: none"> <li><input type="checkbox"/> July – Prototype testing with pilots and instructors for real-world validation.</li> <li><input type="checkbox"/> August 15th – Official Pre-booking for XB70 Commences.</li> <li><input type="checkbox"/> Sept – Complete manufacturing readiness and secure supplier agreements.</li> </ul> | <ul style="list-style-type: none"> <li><input type="checkbox"/> Sept – Launch marketing campaigns and partnerships with flight schools &amp; aviation influencers.</li> <li><input type="checkbox"/> October 19 – Official XB-70 Product Launch.</li> </ul> | <ul style="list-style-type: none"> <li><input type="checkbox"/> Jan – APP features with 3D Flight path with Geo-Spatial Data</li> <li><input type="checkbox"/> Feb – Launch XB-70 Pro</li> <li><input type="checkbox"/> March – AI Learning Management System.</li> </ul> |
|--|---|---|---|

# Fund Allocation

Fund Utilisation: **Rs. 20,00,000**



# Financial Projection



AIRMAN AERONAUTICS

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

Together, we can create safer Skies."