

Aviation Insights

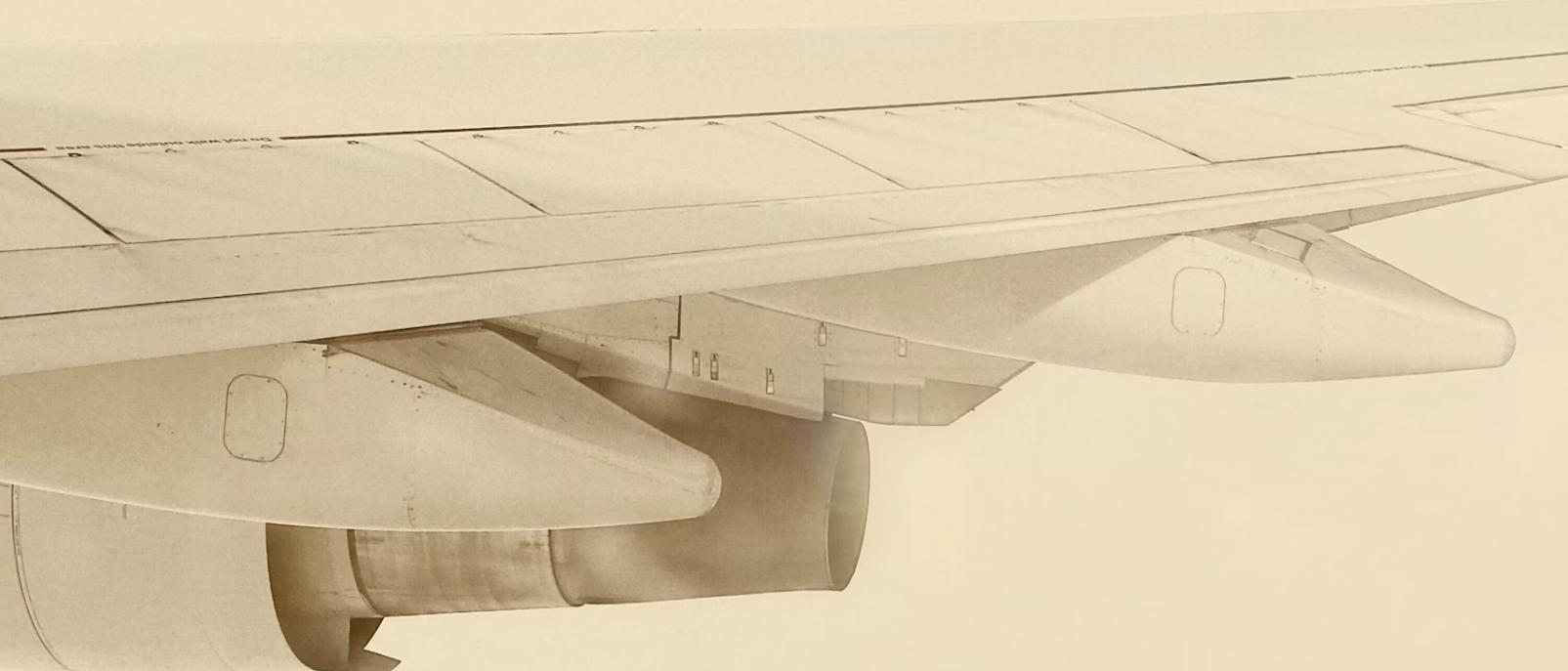
OVERVIEW AND UNDERSTANDING

This project analyzes U.S. aviation accident data to uncover patterns and risks associated with different aircraft and locations, with the goal of providing data-driven recommendations to support strategic decisions for our company as we expand to new industries to diversify our portfolio.



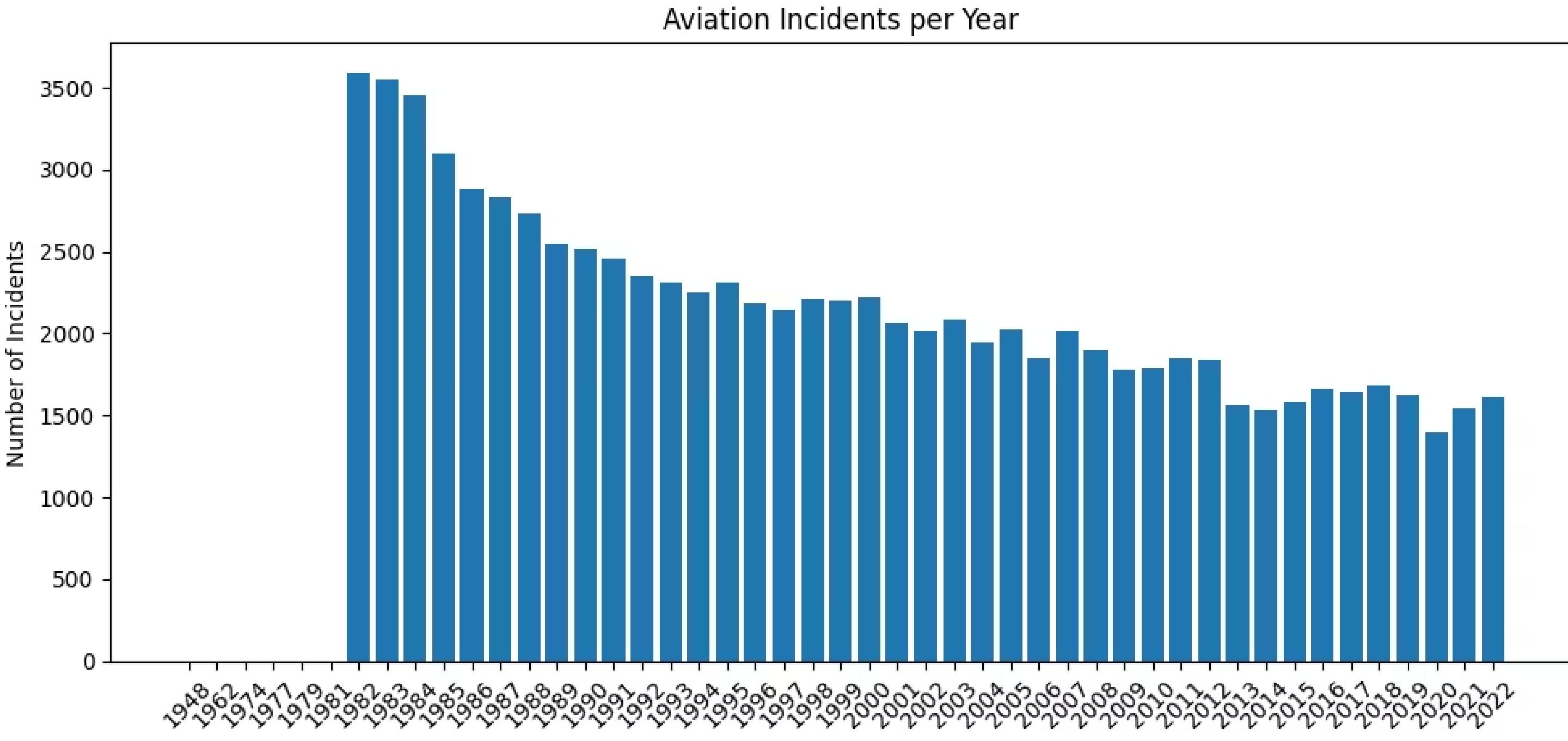
Data Overview

In our analysis of aviation data, we have collected from various sources to understand the safety trends and insights. These data sources include accident reports in different times, states, and more, providing a comprehensive view of the aviation landscape.



Data Analysis

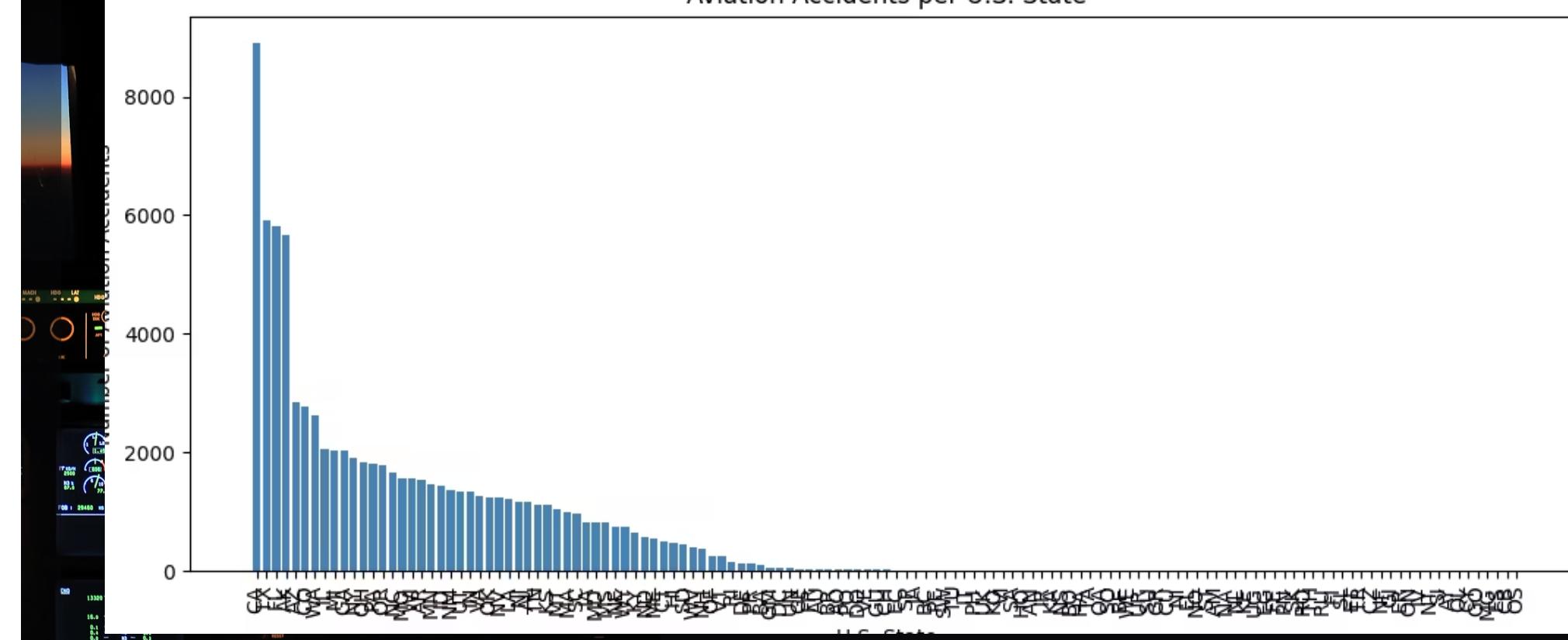
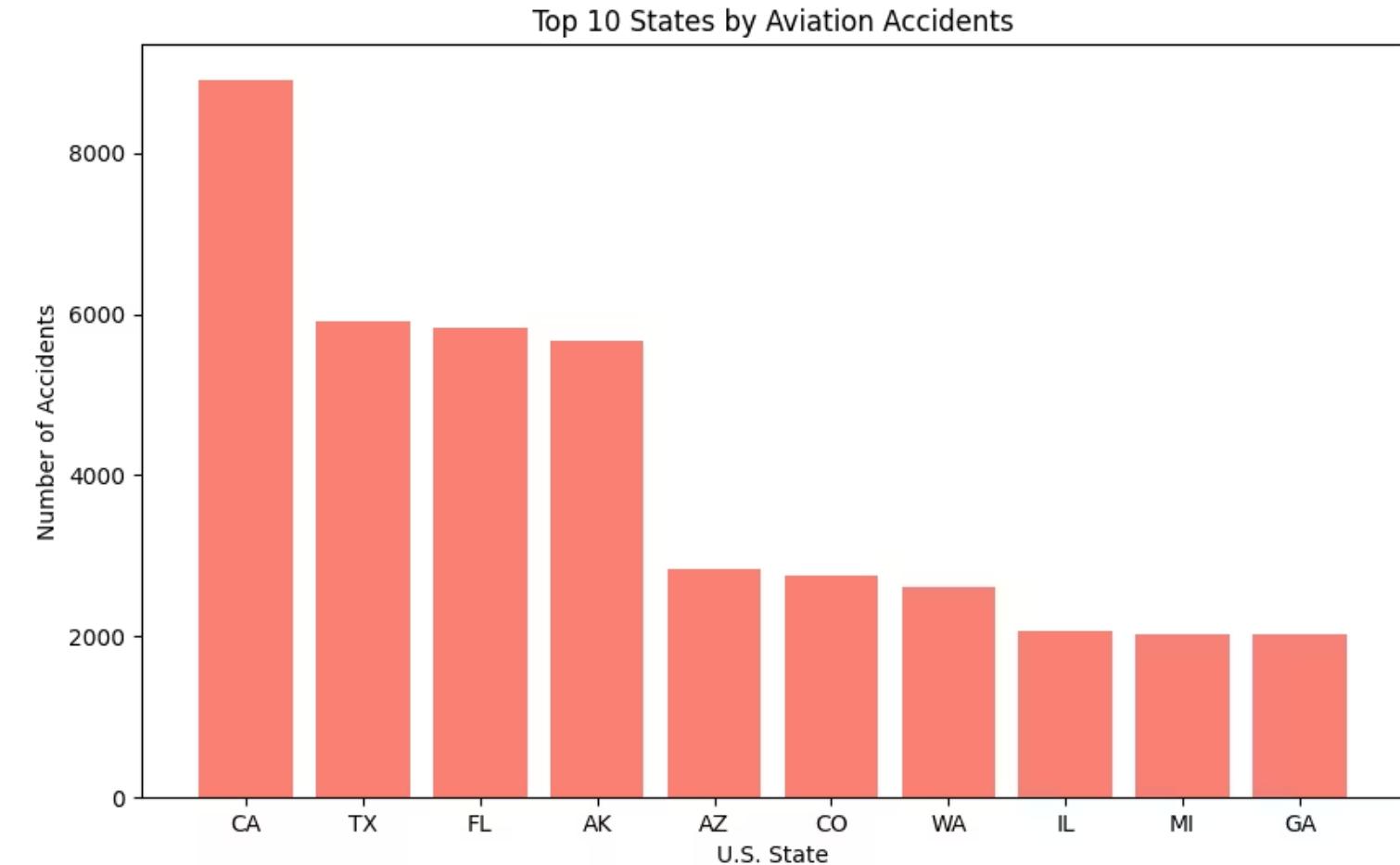
INCIDENTS PER YEAR



This bar graph illustrates the number of aviation accidents that occurred each year. The data reveals a general reduction in incident counts across decades, with certain years experiencing significantly higher accident rates. These trends can be influenced by factors such as changes in aviation traffic, regulatory updates, technological advancements, and reporting practices.

Data from kaggle

INCIDENTS PER STATE



This chart visualizes the number of aviation incidents reported across various U.S. states. It provides a clear comparative view, highlighting which states experienced the most or least aviation-related events. This helps identify geographic hotspots that may require further investigation or consideration before expanding operations.



Findings

Empowering decisions with
safety data



Recommendations

1. Explore Expansion Opportunities in Low-Incident States

Prioritize launching new flight routes, pilot training schools, or maintenance hubs in these low-incident states to reduce exposure to operational risks in the aviation market.

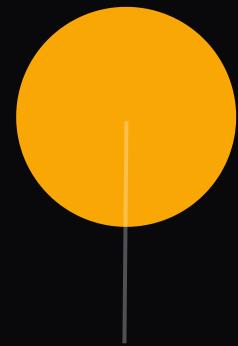
2. Prioritize Safety Programs in High-Incident States

Focus aviation safety training, inspections, and infrastructure improvements in the high-incident states to reduce risk and liability in new operations.

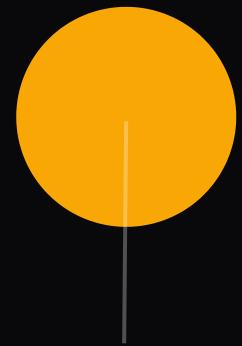
3. Expand Partnerships with Aviation Safety Organizations

With a general reduction in aircraft incidents, we should collaborate with the existing international aviation safety boards to adopt evolving safety standards and benefit from shared data and training resources.

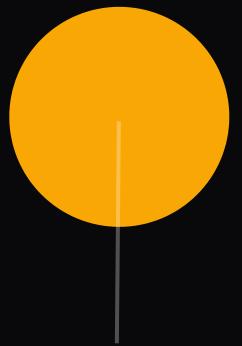
Future Steps

**2026**

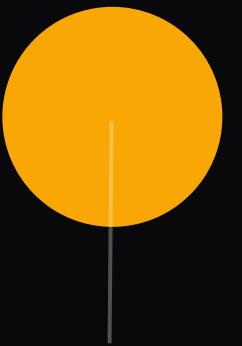
Investigate latest safety technologies

**2027**

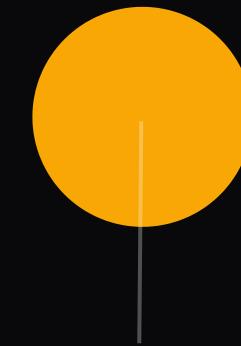
Implement safety training programs

**2028**

Review and update safety protocols

**2030**

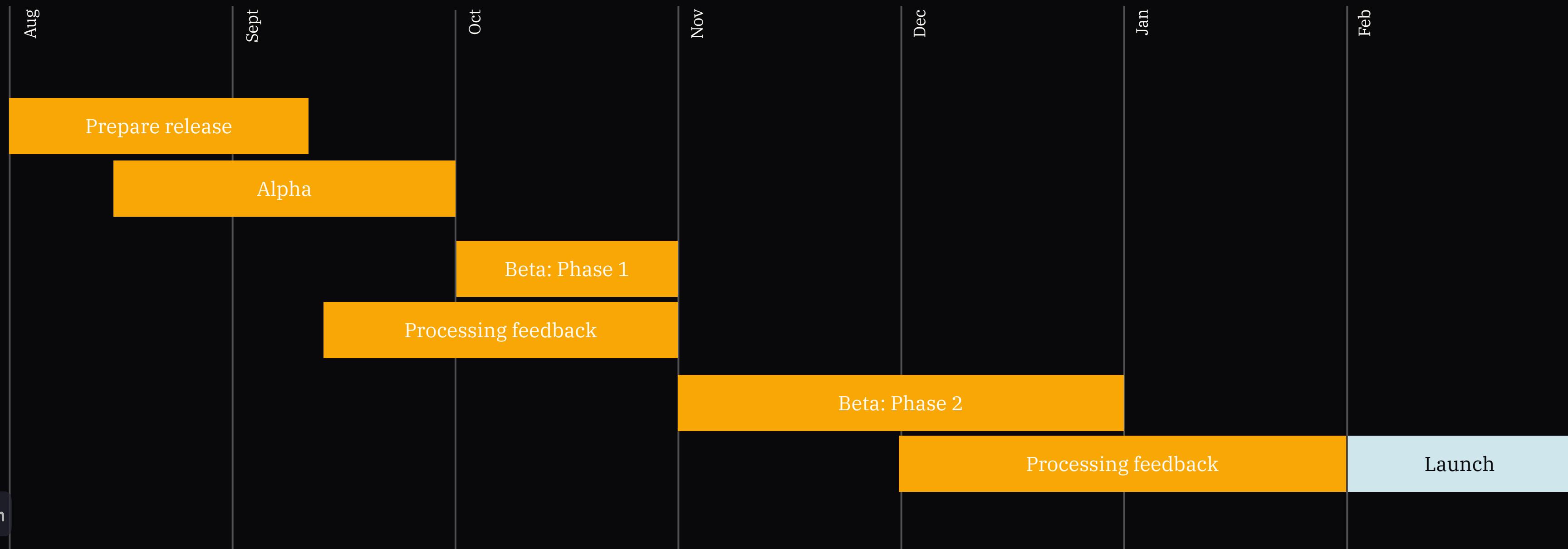
Evaluate safety performance metrics

**2032**

Launch safety awareness campaign

Expansion Strategy

Scaling aviation operations while prioritizing safety standards



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ANY QUESTIONS?



Thank you for your attention.





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