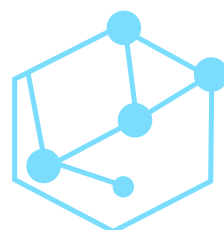




MAIA DECISION MAKING SYSTEM (MDMS)



PLEIADES
AEROSPACE



About Us.

Introduction

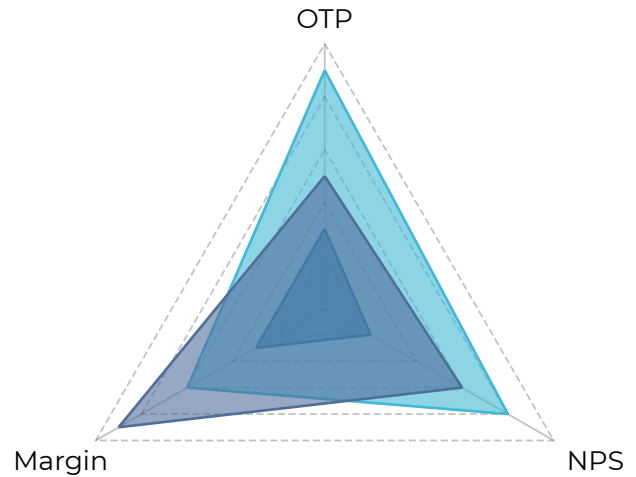
Our founding team brings together diverse engineering expertise across multiple disciplines. This interdisciplinary background forms the foundation of our innovative approach to aviation technology.

With a passion for aviation and deep technical understanding, our leadership has gained valuable operational insights through extensive collaboration with major carriers. This hands-on experience within airline control centres revealed significant opportunities for operational enhancement.

We believe the intersection of aviation operations and artificial intelligence presents a transformative opportunity for airlines. Our mission is to enhance operational decision-making through thoughtfully designed technology that respects existing workflows while delivering measurable improvements in efficiency and performance.

Problem Overview.

Airline operations controllers face overwhelming data volumes when making critical decisions about flight delays and cancellations. Relying heavily on individual experience rather than comprehensive analysis often leads to suboptimal choices that negatively impact the entire fleet and network efficiency. This reactive approach creates cascading disruptions with significant operational and financial consequences.



The Triple Impact

Operations control decisions directly influence key airline metrics. Poor disruption management decreases on-time performance (OTP), triggering passenger dissatisfaction that manifests in lower Net Promoter Scores (NPS). These interconnected factors ultimately erode profit margins through increased operational costs, compensation payments, and diminished customer loyalty.

Challenges



Situational Awareness

Controllers lack comprehensive visibility across the network, leading to isolated decisions that create cascading disruptions and higher operational costs.



Real-time Data

Decision makers struggle with fragmented, delayed information streams, preventing timely interventions that could minimize passenger impact and resource waste.



Complexity

The intricate web of interdependent variables overwhelms human cognitive capacity, forcing reliance on experience rather than optimal network-wide solutions.

The Solution.

Maia is our proposed software platform that empowers network controllers to preview the impact of their decisions before implementation. By simulating scheduling outcomes and associated costs, Maia creates a "**crystal ball**" effect, allowing controllers to visualize future flight network scenarios based on potential choices. This foresight enables controllers to compare options and confidently select the most cost-effective and efficient solution.



Seamless Integration

Works alongside your existing Gantt chart interface without disrupting controller workflows.



Intelligent Analysis

Processes fleet status, crew availability, weather, and airport constraints in real-time.



Priority-Based Options

Recommends optimal solutions tailored to your airline's unique balance of customer, operational, and financial goals.



Controller Autonomy

Presents ranked recommendations while preserving controller expertise and final authority.



Comprehensive Visibility

Unifies fragmented data streams into clear, actionable insights during disruptions.



Impact Projection

Forecasts how each decision option affects passenger experience, OTP, and operational costs.

The Process.

We're excited to build the future of aviation with you. Every airline is different, so the first step of our partnerships is always information gathering. We don't propose solutions that will interrupt your workflows or force you to change your best practices.



LEARN

We sit with your operations controllers to learn about what makes them different. Over the course of 3 weeks we gain an understanding of the experience-based decisions made by your team, and the tools they use to support them.



DESIGN

Using our learnings, we commence the design phase. We will prepare detailed design mockups, system architectures, and integrations documentation for your internal teams to assess for suitability.



ITERATE

We listen to your feedback, and continue the learn-design loop until you are maximally satisfied and excited for what our partnership can achieve.



PROPOSE

We present you with a detailed proposal outlining our solution. You then have the freedom to decide if you'd like to move forward. If you choose not to proceed, there's no charge. This offers you peace of mind and ensures a risk-free decision-making process