

SFO ¾ JFK • ¥ 72°

Good morning! Your flight is on time

→ SFO Terminal 2 • Gate 58A at 11:16 AM

→ JFK Terminal 8 • Gate 40 at 8:19 PM

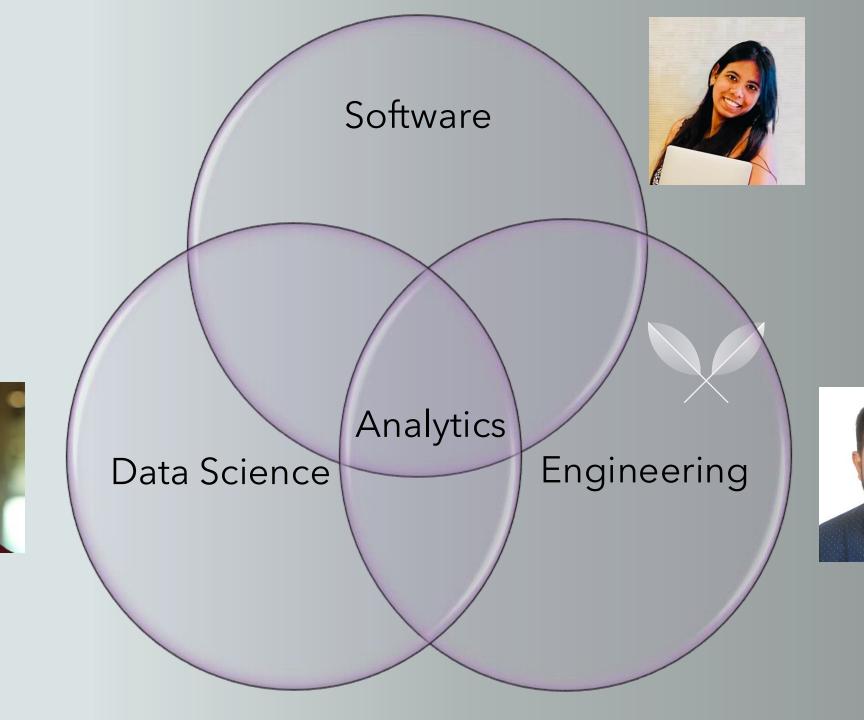
Delayed 31m

New Departure: 11:47 AM (31m late) New Arrival: 8:33 PM (14m late)

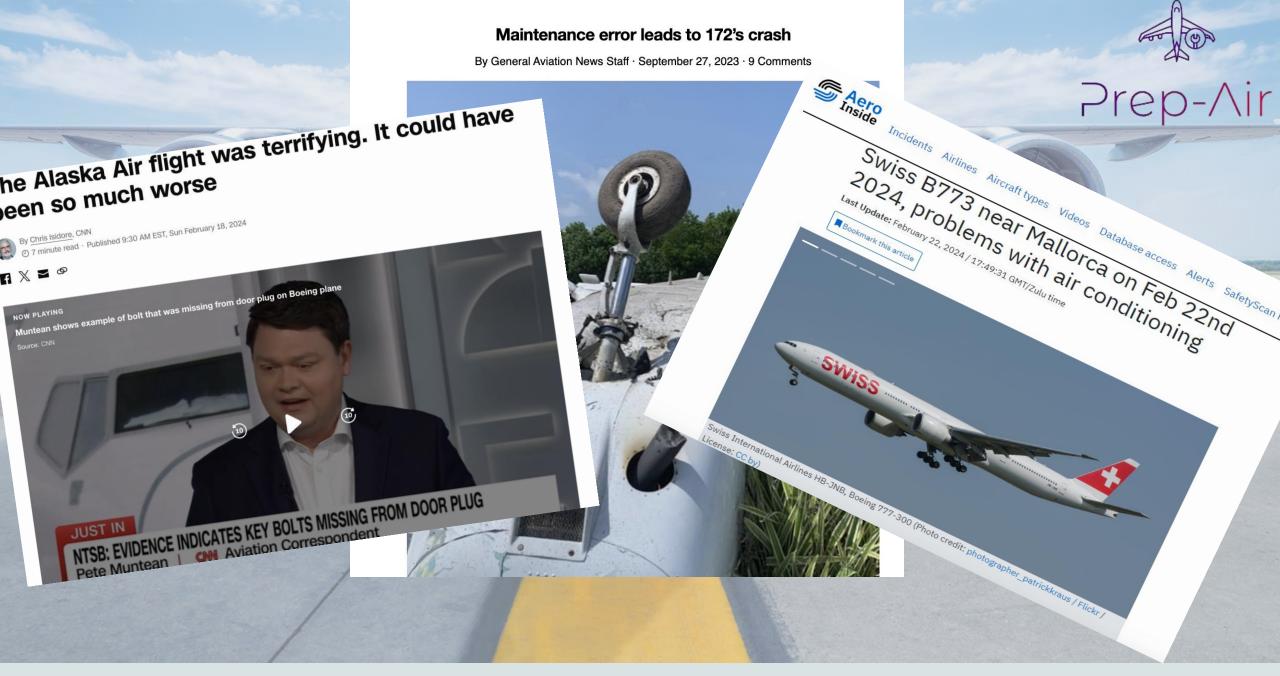
Departed Gate

22m of taxiing before Take Off









https://generalaviationnews.com/2023/09/27/maintenance-error-leads-to-172s-crash/ https://edition.cnn.com/2024/02/18/business/alaska-air-boeing-max-flight/index.html https://www.aeroinside.com/19181/swiss-b773-near-mallorca-on-feb-22nd-2024-problems-with-air-conditioning

Problems

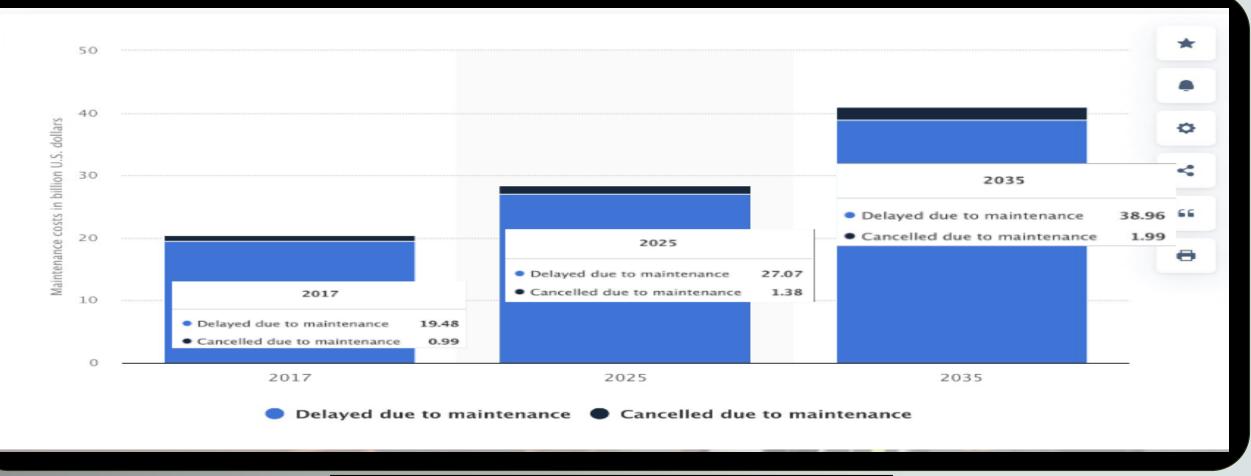
- Frequent Flight delays and downtime
- Flight Cancellations
- Increasing accidents
- Unexpected system failures

Consequences

- Financial loss
- Airline Reputation Damage
- Jeopardizing Passenger Safety

OUTDATED MAINTENANCE SCHEDULES!





LOSS: \$29 Billion in 2025

\$40 Billion in 2035



Existing Aircraft Maintenance Process

1. Pre-Flight Checks: Daily checks are performed before the first flight of the day.

2. Scheduled Maintenance:

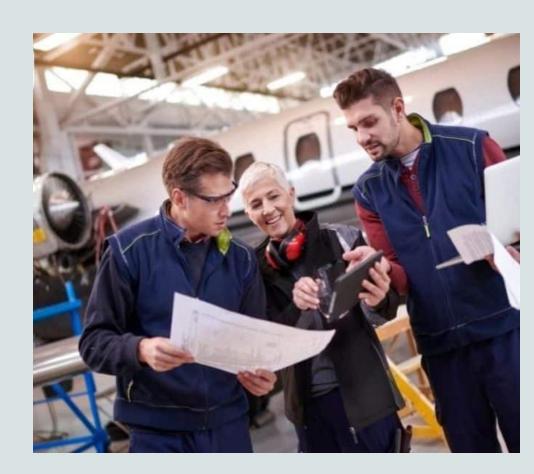
A Checks: Every 400-500 flight hours. Quick checks - a few hours.

B Checks: Every 6-8 months, up to 180 man-hours.

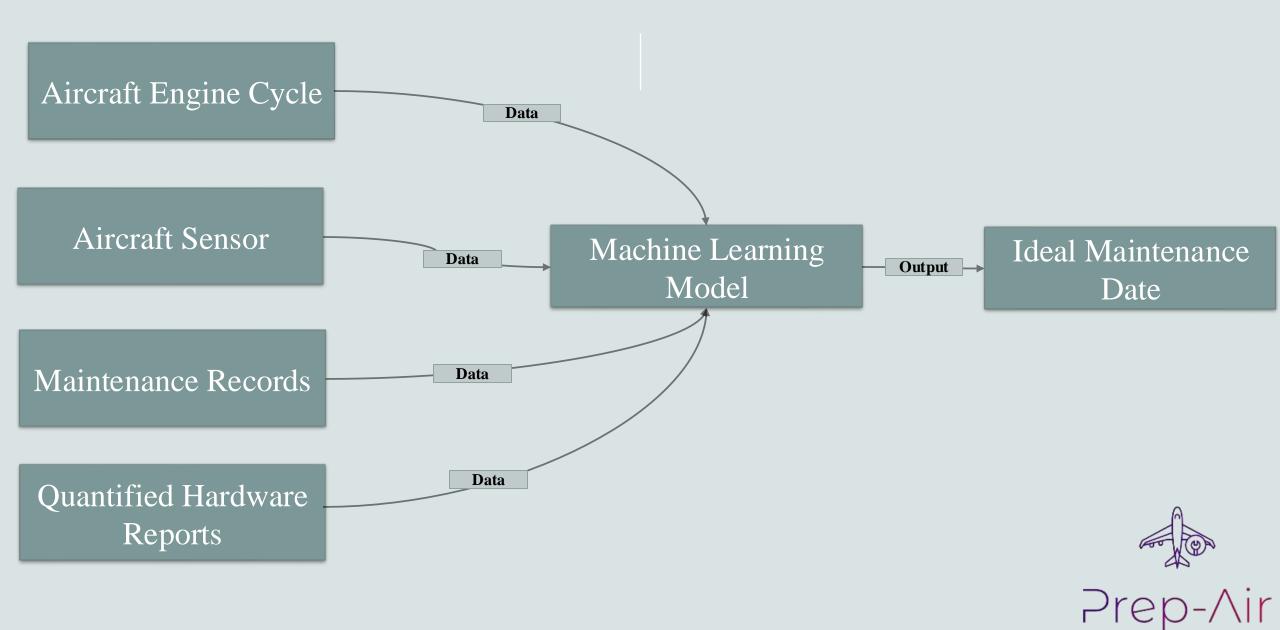
C Checks: Every 20-24 months, detailed inspections - a few weeks.

D Checks: Every six years, full strip-down, thorough inspection.

3. Unscheduled Maintenance: Repairs due to unexpected issues or damage found during inspections.



Our Solution





Data Recording and Analysis:

Each flight's data is meticulously recorded and analyzed, serving as crucial input for our predictive maintenance model.



Flight FL123 - Aircraft N12345

Metric	Value
Fuel Level	80%
Engine Health	Good
Oil Level	Normal
Tire Pressure	Normal
Last Inspection	2024-05-30
Alerts	None

10 min 1 min

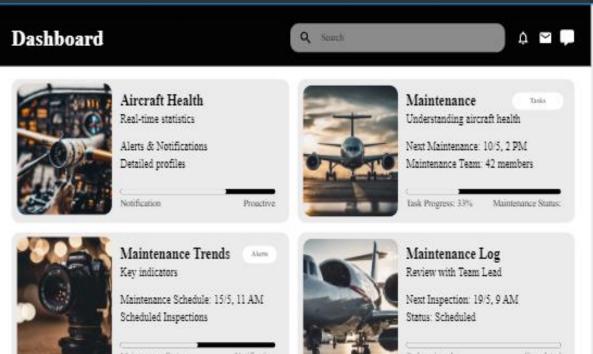
Next Maintenance Suggestion

- Aircraft N12345: Next Maintenance Date 2024-07-01
- Aircraft N54321: Next Maintenance Date 2024-06-25 (Urgent)
- Aircraft N67890: Next Maintenance Date 2024-06-30

Optimal Maintenance Scheduling:

Our model provides the next best
maintenance date for each flight in your
fleet, ensuring seamless operations with
no unexpected issues or disruptions



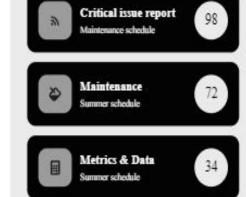


Your Maintenance Plan 2 June 01- June 21, 2024 FI Aircraft 1 Maintenance Trans: Schodulot: 11 AM 15 Maintenance FJ Aircraft 1 Maintenance FJ Aircraft 2 Schodulot: 17 18 Maintenance FJ Aircraft 2 Schodulot: Units Maintenance FJ Aircraft 3 Maintenance FJ Aircraft 4 Maintenance F

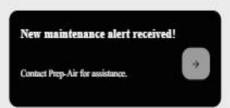
Real-time Updates



Alerts



Notifications



Our Vision:

A comprehensive Fleet Management Tool

- Intelligent Maintenance Scheduling
- Real-time Flight Health Monitoring
- Relevant Maintenance Alerts
- Critical Action alerts for the maintenance team



Thank you.

Questions??

Business Model Canvas

Problem

Airline maintenance procedures are timeconsuming, leading to extended downtime and high costs. This inefficiency reduces profitability and can impact flight schedules.

Customer segments

Airlines, private jet operators, MRO (Maintenance, Repair, and Overhaul) facilities.

Channels

Direct sales, industry conferences, partnerships with aircraft manufacturers.

Unique Value Proposition

Reduced maintenance downtime, improved efficiency, optimized preventive maintenance schedules.

Solution

Al-powered Predictive
Maintenance solution
optimizes aircraft
maintenance, minimizing
downtime and maximizing
efficiency for airlines.

Unfair Advantage

Advanced Machine learning tools.

Key Metrics

Aircraft Engine Cycles History of Maintenance and potential issues that can arise

Cost Structure

Development Costs: Expenses related to software development and data analysis.

Operational Costs: Costs for hosting and maintaining the online platform. **Marketing and Sales Costs:** Expenses for customer acquisition and engagement activities.

Revenue Streams

Subscription Model: Monthly or yearly subscription fees for using the predictive maintenance tool.

Service Fees: Additional fees for customised integrations and advanced analytics services.

Training and Support Fees: Charges for specialised training programs and extended support services.