

Automate to Navigate: Amach's Robotic Process Automation(RPA) for Managing IROPs

Enhancing resilience in airline operations through RPA, minimizing the impact of irregular operations on passengers and ensuring a swift, organized response to disruptions

Problem Statement Challenge

Irregular Operations (IROPs) in aviation can drastically disrupt service, affecting passengers, crew, and airline operations. Airlines need to manage these efficiently and with minimal negative impact on passenger satisfaction.



Key Issues:



Real-Time Data Integration:

- **Problem:** Need for immediate data access and alerts during IROPs, including weather, strikes, and technical disruptions.
- **Solution:** RPA bots to continuously monitor and integrate data from various systems, triggering alerts and updates to relevant stakeholders.



Passenger Communication:

- **Problem:** Slow and manual communication processes during flight disruptions lead to passenger dissatisfaction.
- **Solution:** Automated, timely, and personalized communication via RPA, enhancing passenger experience during disruptions.



Efficient Rebooking Processes:

- **Problem:** Manual rebooking is slow and prone to errors, exacerbating passenger frustration.
- **Solution:** RPA bots automatically handle rebookings, ensuring quick and accurate alignment with passenger preferences and status.



Crew Re-scheduling:

- **Problem:** Disruptions affecting crew schedules can further complicate operations.
- **Solution:** Automated RPA solutions for immediate crew re-scheduling, ensuring regulatory compliance and operational readiness.

Solution Overview

Amach's RPA solution is designed to tackle the multifaceted challenges of IROPs by automating crucial processes, from monitoring and notification to passenger and crew management.



Real-Time Monitoring and Alerts:
Automated systems watch over multiple data streams to provide instant updates, enabling proactive management of disruptions.



Automated Passenger Notifications:
Deliver immediate, accurate, and helpful information to passengers via their preferred communication channels, reducing uncertainty and stress.



Streamlined Rebooking:
Automate the rebooking process, minimizing wait times and maintaining passenger loyalty even during disruptions.



Crew Management Automation:
Quickly adjust crew schedules and inform all affected parties, ensuring that changes are managed smoothly and efficiently.

IROPs: Manage The Impact on Passengers



- **Rebooking:** Swift rebookings to minimize travel disruptions.
- **Accommodation & Meals:** Automatic handling of accommodations and meal vouchers.
- **Compensation:** Automated processes ensure compliance with regulations like EU261, facilitating prompt compensation.

Causes of IROPs

- **Weather, Technical Issues, ATC Delays, Security, and Operational Issues:** RPA bots are programmed to identify and react to these triggers, implementing predefined response strategies effectively.

Benefits of Amach RPA Solution



Increased Operational Efficiency:
Automated systems watch over multiple data streams to provide instant updates.



Enhanced Passenger Satisfaction:
Quick, accurate responses and solutions to disruptions greatly improve passenger experiences and loyalty.



Cost Savings:
Decreases the need for extensive manual labor, significantly reducing operational costs.



Scalability and Flexibility:
Easily scales to handle large volumes of disruptions without additional resources.

Ready to Learn More?



Ready to transform your approach to IROPs with automation? Contact Amach today to learn how our RPA solutions can fortify your operations



14 Clanwilliam Square, Dublin



amach.com



sales@amach.com