

# Amach's Aviation Integration Services

Leveraging Aviation Integration solutions to synchronize data, modernize infrastructure, and enhance operational efficiency while minimizing disruption to airline operations.

## Problem Statement

Many airlines continue to rely on legacy systems for mission-critical operations. These outdated systems create operational bottlenecks, compliance risks, and scalability issues while consuming a large share of IT budgets. Integrating these systems with cloud-based platforms, and modern applications is essential for improving efficiency and driving digital transformation without fully discarding existing infrastructure.

### Key Issues:

#### Buy-in & Change Management



#### Problem

Airlines are risk-averse and hesitant to upgrade due to fears of disrupting critical systems. Approval for integration programs can be slow.

#### Solution

Phased integration strategies ensure a seamless transition with minimal risk.

#### High Maintenance Costs



Legacy systems consume a significant portion of IT budgets, limiting investment in innovation.

Hybrid cloud integrations extend the life of existing systems while gradually modernizing their infrastructure.

#### Security Vulnerabilities



Outdated security protocols in legacy systems increase the risk of data breaches and non-compliance with modern cybersecurity standards.

Cloud integration provides built-in security features, automated threat detection, and enhanced encryption.

#### Cloud Migration Challenges



Moving from on-premise legacy systems to the cloud is complex and requires careful planning to avoid downtime.

AWS-supported migration with phased rollouts ensures safe and efficient cloud transitions.

#### Regulatory Compliance Risks



Legacy systems may not meet modern industry regulations, exposing airlines to fines and operational risks.

Robust compliance monitoring ensures that data privacy, security, and operational standards align with global aviation regulations.

#### Skills Shortages & Aging Infrastructure



Legacy system expertise is declining as experienced professionals retire. Airlines also face hardware obsolescence with older systems.

Integration with modern APIs allows younger IT teams to manage existing infrastructure with new, standardized tools.

#### Missed Opportunities



Legacy systems limit the adoption of modern applications, real-time data processing, and DevOps methodologies.

API-based integrations unlock new digital services, automation, and analytics.

## Amach Aviation Integration Services

Amach specializes in seamless legacy system integrations using automation, cloud-native tools, and real-time data synchronization. Our integration framework follows structured phases to minimize risk and ensure operational continuity for airlines.



### Legacy System Connection:

Integrating Netline, NDC, AIMS, and other core airline platforms with modern infrastructure.



### Data Synchronization:

Ensuring real-time updates across passenger, flight, and operational data using JSON-based data transformation pipelines.



### Operational Efficiency Enhancement

Streamlining processes such as flight scheduling, check-ins and baggage handling, using automation.



### Regulatory Compliance Integration

Ensuring GDPR, EU261, and industry-specific standards are met within the integrated system framework.

## Cost Supports for Integration Programs

In partnership with AWS, Amach offers cost support programs to assist airlines throughout their migration and integration journey.

**Phase 1: Gap Analysis** – AWS provides funding to cover assessments conducted by certified partners like Amach.

**Phase 2: Mobilization** – Financial support is available for preparing infrastructure and planning integration efforts.

**Phase 3: Migration** – AWS provides annual bill credits to offset cloud migration costs, reducing financial strain on airlines.

These cost supports make integration projects more financially viable, ensuring airlines maximize ROI while modernizing their IT infrastructure.

### Results & Benefits



Seamless System Integration



Enhanced Retailing & Ancillary Sales



Regulatory Compliance & Risk Mitigation



Improved Finance & Transaction Processing



Optimized Airline Operations

## Ready To Learn More?

Amach has successfully delivered Aviation Integration for global airline clients. Let us help you modernize operations while minimizing risk. Contact us today to discuss your integration strategy.

## Contact Us

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