

Aided an airport revenue management system player migrate to a cloud-based web app to **support multitenancy, reduce version maintenance, minimize human errors, and optimize billing workflows**



### About the Client

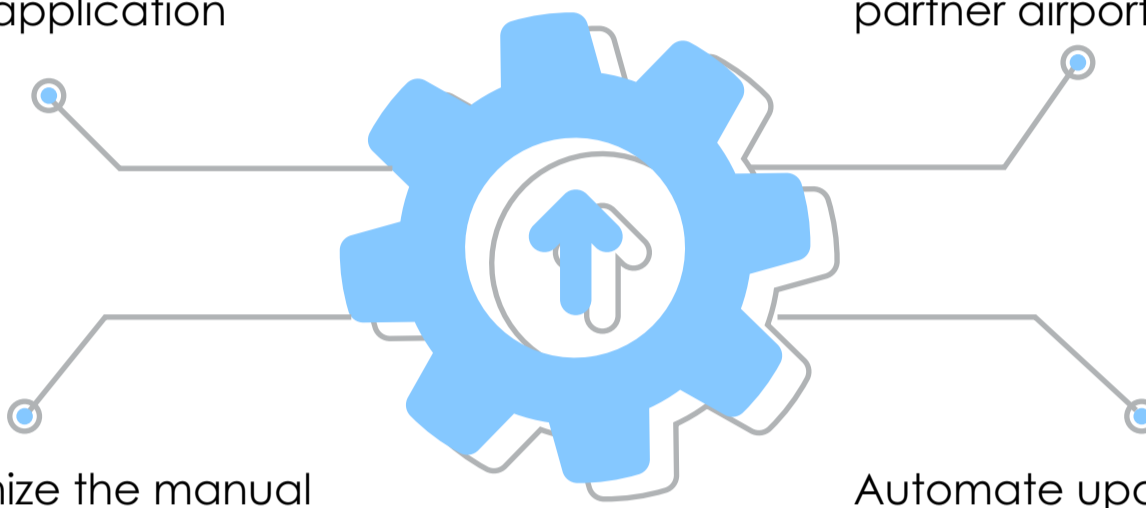
- Offers technologically advanced comprehensive aeronautical and non-aeronautical billing systems and airport process solutions
- Provides innovative solutions at 50+ airports across the globe
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### Business Needs

Upgrade the current legacy system to a cloud-based web application

Push updates uniformly across all partner airports



Minimize the manual efforts required to segregate movement data from ATCs and map aircraft movements

Automate updates to the centralized aircraft registry repository

### Solutions

- Adapted to a highly scalable cloud-based architecture that supports multitenancy and centralized updates
- Created an architecture to support integration and import flight movement data from local ATCs
- Implemented a new framework to manage and update aircraft registry data and automatically map aircraft movement to specific customers or to create new customers
- Optimized functional and technical workflows to minimize manual intervention



### Technology Stack



### Business Impact

**90%** reduction in human errors and duplication by automating the data mapping of flight movements for aeronautical billings

**50%** reduction in billing generation time due to optimized workflow

Centralized ICAO aircraft and company registry data to ensure data consistency among multiple systems to improve data quality by **90%**

Deployed single flexible solutions for **18** small and large airports



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