



**Mindtree**

A Larsen & Toubro Group Company

# Enabling Next-gen Airport Platform (Self Baggage and Boarding)

## The Client ---

Leading provider of airport products

## Challenges ---

- Develop next-generation airport platform to manage airport infrastructure
- Increased operational efficiency to reduce costs through remote management of airport infrastructure like printers, scanners, boarding gates, etc.
- Define the architecture for native Cloud solution making optimal use of Cloud-based PaaS solutions
- Vet architecture through central review process and roll out RFP for vendor selection

## Solutions ---

- Developed Azure-based solution based on serverless computing
- Implemented Core business logic of the Next-gen platform using Azure Service Fabric
- Achieved by implementing the services as Stateless services using microservices architecture
- Use of services like IoT Hub, Azure ML, UWP, App Service, application and operational insights
- Defined APIs for airline integration
- Defined security and evolution roadmap

## Benefits ---

- Enabled quick time to market by defining the Cloud-native architecture. This allowed the quick roll-out of the RFP for vendor selection
- Architecture validation and approval from all stakeholders
- The MVP product is currently under trial