



# Create an intelligent airline by harnessing the power of data

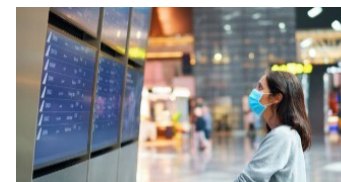
Big data is driving the way forward for airlines by enabling them to run smart operations and create a personalized customer experience. We empower you to make sense of your data by generating actionable insights and leverage it to fuel AI solutions.

To find out how you can also benefit by transforming into an intelligent airline, connect with our experts at [explore.tnl@nagarro.com](mailto:explore.tnl@nagarro.com).

Thinking Breakthroughs

## AI-enabled systems power a new vision. Introducing the Intelligent Airline.

### Smart Operations



#### Flight operations

- Optimized meal planning using AI based catering solution
- Intelligent F&B carts with digital display and automated inspection
- RFID based inspection of aircraft items like life vests

#### Airport operations

- Reduced flight turnaround using AI and computer vision
- Optimized baggage processing with real-time insights from airline and airport systems
- Real-time data utilization for disruption handling

#### M&E

- Preventive and predictive maintenance
- Digitization of maintenance records
- Fuel analysis by simulating impact of maintenance measure on fuel consumption

### Smart Customer Engagement

Personalized ancillary and fare recommendations	Over	Generic offers and fares
Individualized in-flight shopping offers	Over	Standard in-flight catalogues
Automated responses to passenger feedback and capitalizing brand promotion through sentiment analysis	Over	Inaction over feedback and missed brand promotion
Predicting next trip based on passenger preferences	Over	Irrelevant next trip offers to passengers

For more about us, visit [www.nagarro.com](http://www.nagarro.com)

## How we can help

### Descriptive analysis

- Exploring what happened and why
- Data collection – integration with sources and organization

### Machine & deep learning

- Understanding what is happening and what will happen
- AI-based with algorithms that cater scenario specific transactions

### Data-driven insights

- BI-powered customized dashboards
- Intuitive visualization that ensures transparency and effective performance monitoring

### Reinforcement learning

- Exploring what to do next
- Continuous KPI driven training and support of AI models

## Our accelerators to fuel your transformation journey



### Operations optimizer

- Network profitability analysis
- Optimized meal planning
- Fuel utilization analysis
- Robust flight scheduling
- Reliable turnaround
- Quick manual maintenance checks



### aMerchandizer

- Passenger 360-degree profiling
- Persona, context, and purchase history-based ancillary affinity calculation
- Personalized ancillaries, next trip recommendations and in-flight shopping
- Integration across multiple data sources

## Why Nagarro?

**15+**  
Years' experience in airline product engineering

**27**  
Countries

**12,000+**  
Experts

**98.9%**  
Offered solutions match client's expectations

## About Nagarro

Nagarro is a global leader in digital engineering with over 15 years of experience in the industry. We help leading airlines across the globe become digital-first companies, enabling them to run intelligent and agile operations powered by data and automation, increase revenues through next-gen NDC-based distribution, and create a personalized customer experience via omnichannel engagement.