



Commercial Aerospace PHM/IVHM

Ken Nishiwaki, ANA, Japan

Our Company: All Nippon Airways



- Japan based Airline
- Connects 19 Countries / 42 Cities
- a Star Alliance Member
- Awarded SKYTRAX 5 STAR AIRLINE

Our Fleet



Total 257

Data generated in the Aviation Industry



B787 generates 2.5 times more data compared to legacy fleets



- **Sensor data**
- **Maintenance data**
- **Flight data**
- **Weather data**
- **Pollution data etc...**



PHM

How PHM can change the industry



A departure board with yellow text on a black background. The board is titled 'DEPARTURES' and has columns for 'DESTINATION', 'GATE', and 'REMARKS'. The 'REMARKS' column is further divided into 'ON' and 'TIME'. All flights listed are marked as 'ON TIME'.

	DESTINATION	GATE	REMARKS
11	NEW YORK	A17	ON TIME
17	FRANKFURT	A26	ON TIME
04	PARIS CDG	C03	ON TIME
16	LONDON	B09	ON TIME
02	TORONTO	A16	ON TIME
01	BEIJING		ON TIME

**NO MORE SCHEDULE
INTERRUPTIONS**



**OPTIMIZED INVENTORY
AND HUMAN RESOURCE**

Outlook of New World

