







Aviation Data Symposium



15-16 November 2017

Miami, USA









Safety and Operations

Thank you to our Sponsor

Deloitte.





Welcome Nancy Rockbrune Head, Safety Management

IATA



Opening Remarks & Objectives

Al Madar

Managing Director Corporate Safety
American Airlines





Data and Information Challenges and Triumphs – The Airlines Experience

Moderator

尽 Rob Hills, Principal, Strategy & Operations Practice, Deloitte

Panelists

- → Jimmy James, Managing Director, Procurement and Supply, American Airlines
- **Elhan Orhon**, VP, Internal Audit, United Airlines
- David Mawdsley, Aviation Safety Advisor, Rolls Royce Digital





Data Tools and Services – Helping Airlines Make Informed Decisions

Daniel Baker

CEO

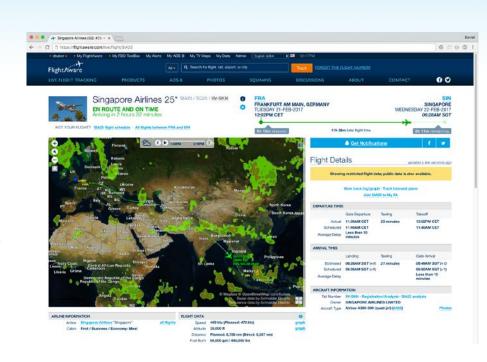
FlightAware



Flight Tracking and the Future of Aviation Data

- > Who am I?
- Is "Big Data" the Key?
- > Future of Aviation OperationsSoftware
- Innovations & Impact on Aviation Data
- Industry Challenges
- A&Q A



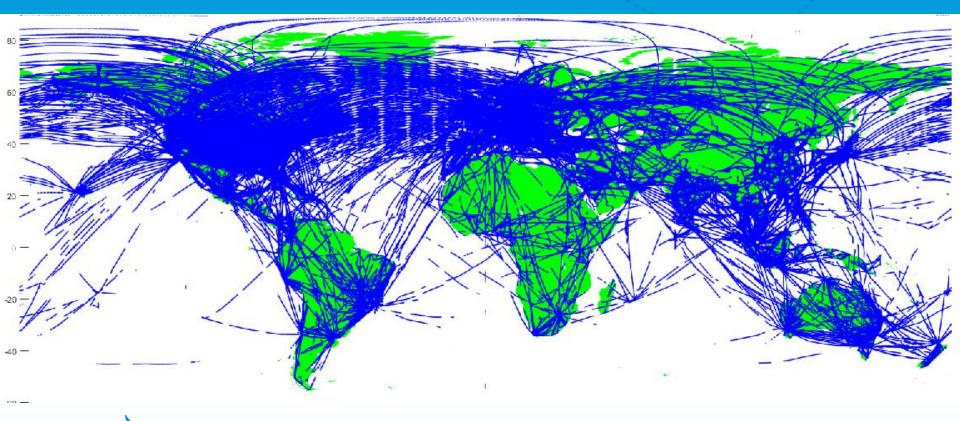


Introduction

- › Daniel Baker, CEO, FlightAware
 - Commercial Pilot, Software Developer
- > Founded FlightAware in 2005
 - Aviation data and flight tracking company
 - Initially a flight tracking hobby project
 - Started with just the FAA data feed, now in over 170 countries
 - > Now have 80 employees in US (Houston, NYC), UK, and Singapore



Is "Big Data" the Key?



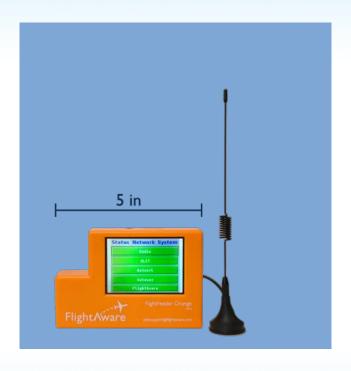


Is "Big Data" the Key?

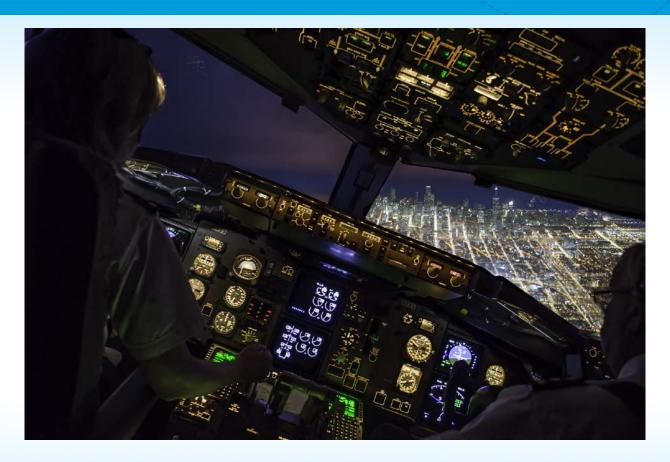


Aviation Data in the Non-Certified Space









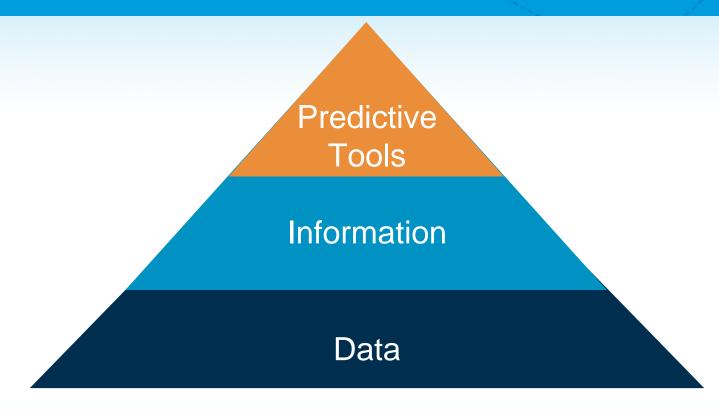


Flight
Management
System (FMS)

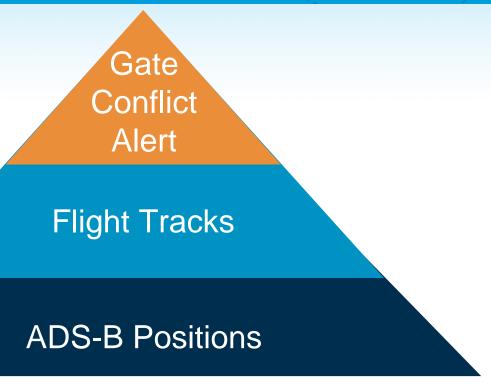
Primary Flight Display (PFD)

Air Data Computer (ADC)



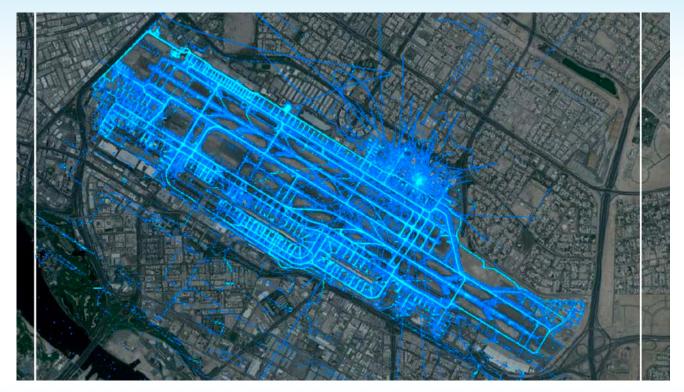








Technical Innovations and the Impact on Aviation Data





Industry Challenges





Questions?

Daniel Baker CEO, FlightAware

dbaker@flightaware.com





Networking Coffee Break

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Extracting the Value from your Data - Technological Solutions in Safety and Operation Systems

Moderator

✓ Lisa Sullivan, Strategic Portfolio Manager, Harris Corporation

Panelists

- → Nadine Alameh, CEO, Snowflake
- → Jim Hetzel, VP, Aviation and Distribution, FlightStats
- → Abhijit Patil, Senior Director, Customer Analytics and Loyalty Data Management, Air Canada



System Reliability – The Operational Fall-Out When Things Fail

Mick Huynh

Manager, IT Operations
Air Canada





Aviation Data Symposium 2018

Resiliency and Continuity:

Best designs

Better preparations



- Canada's main airline carrier
- Over 200 destinations on six continents
- +45 Million passengers
- Among world's 20 largest airlines
- +30,000 employees

Digital Airline Transformation

- More connectivity
- More mobility & online services
- Global networks and integration services
- New emerging technologies

"Given our increased reliance on technology, how can we assure operational continuity when things fail?"

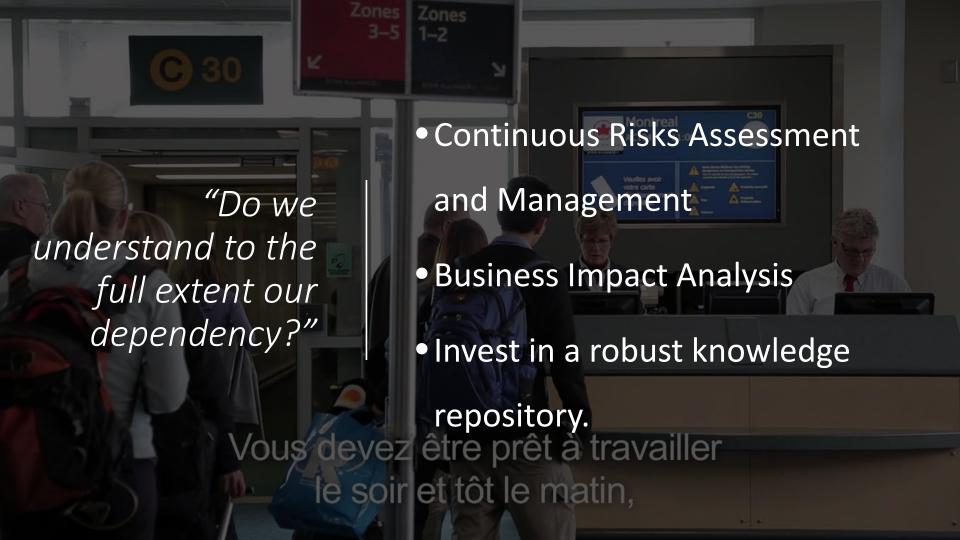
"As an Industry, are we prepared?"

"Do we understand to the full extent our dependency?"

"Given our increased reliance on technology, how can we assure operational continuity when things fail?"

- Resiliency in Design
- Business Continuity and
 Disaster Recovery Plans
- Crisis Management Exercises









Thank you



Interview: The Future of Biometrics in Aviation – Enabling a Seamless and Secure Journey for Air Travel

- → Sean Conlin, Principal, Strategy & Operations Practice, Deloitte
- → Arun Vemury, Director, Apex Air Entry Exit Re-Engineering, US Dept. Homeland Security





Wrap-up and Closing

Thank you to our Sponsor

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Join us tonight!

19:45 - 23:00

Ocean Garden

In this room!

