Leveraging Predictive Analytics to Reduce Aircraft Emissions

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SAFETY LINE
Big Data applied to Aviation

Predictive Digital Solutions

For the safety and efficiency of aviation operations

SDGs GLOBAL STARTUP COMPETITION

WINNER

13 CLIMATE ACTION
V1 Spreadsheets
V2 Fuel Dashboard
V3 Machine Learning

OPTI FLIGHT
In-flight guidance

Taking Fuel Efficiency to the Next Level
Data Science in the Cockpit

Optimization Loop

- Historical Flight Data
- "What-if" Engine
- Machine Learning Perf. Models
- Flight Plan
- 4D Weather Forecast

OPTIFLIGHT BRIEFING

Flight Number: ABC123
From: ORY
Date: 03/07/2019
A/C: F-OPTI
To: TUN
TOW: 69285 kg
Climb-out phase

Default Climb

- 250 kts up to 10,000 ft

Regulation

- 250 kts max up to min 10,000 ft

NOT OPTIMAL
Global Market Share
Captured Already!

3.8%
Current Customers

- Aircraft: 857
- Yearly Savings: $38,2 M
- Reduction of CO2 Footprint: 190 k tonnes
22,680 Global Fleet

$1.1 B Global Yearly Savings

5.6 M tonnes Global Reduction of CO2 Footprint