



MCX Program

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IATA
19th MAINTENANCE COST CONFERENCE
& 2nd MRO SMARTHUB USER FORUM
OCTOBER 4-6, 2023

MCTG* Data Collection renamed...



Now part of IATA's **Global Aviation Data Management (GADM)** program with...

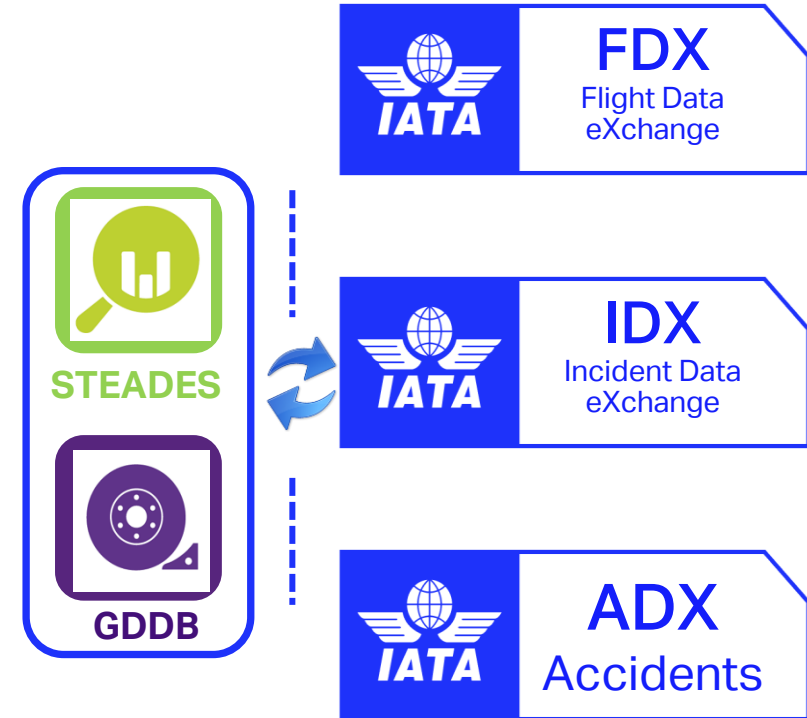


Global Aviation Data Management (GADM)

IATA safety & operational data and analytics programs

A unique global aviation database with IATA serving as a custodian trusted by the industry

Data-driven decision support





GADM Membership Overview

Last Update (UTC)
Jul 18, 2023 07:05:44 PM

275

GADM Members

255

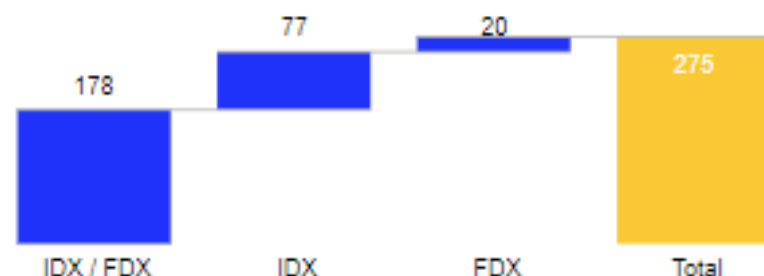
IDX Participants

198

FDX Participants

GADM Participant

Active Members per Program



AFI	CIS	LATAM/CAR	NAM
ASPAC	EUR	MENA	NASIA

GADM Participant	Region	Country	GADM Programs	Member IATA
Tassili Airlines	Middle East & North Africa	Algeria	IDX	✓
Taag - Linhas Aereas De Angola, Sa	Africa	Angola	IDX / FDX	✓
Aerolineas Argentinas S.A.	Latin America & The Caribbean	Argentina	IDX / FDX	✓
F.B. Lineas Aereas Sa	Latin America & The Caribbean	Argentina	IDX / FDX	
Jetsmart Airlines S.A.	Latin America & The Caribbean	Argentina	FDX	
Virgin Australia International	Asia Pacific	Australia	IDX	✓
Ewat Gmbh	Europe	Austria	IDX	
Bahamasair Holdings, Ltd	Latin America & The Caribbean	Bahamas	FDX	✓
Gulf Air B.S.C. (C)	Middle East & North Africa	Bahrain	IDX / FDX	✓
Astra Airways Limited	Asia Pacific	Bangladesh	IDX / FDX	
Biman Bangladesh Airlines Limited	Asia Pacific	Bangladesh	FDX	✓
Novo Air	Asia Pacific	Bangladesh	IDX / FDX	
Boliviana De Aviacion (Boa)	Latin America & The Caribbean	Bolivia, Plurinational State of	IDX / FDX	✓
Air Botswana	Africa	Botswana	IDX / FDX	✓
Absa - Aerolinhas Brasileiras S.A	Latin America & The Caribbean	Brazil	IDX / FDX	✓
Azul Linhas Aereas Brasileiras	Latin America & The Caribbean	Brazil	IDX / FDX	✓
Gol Linhas Aereas S.A.	Latin America & The Caribbean	Brazil	IDX / FDX	✓

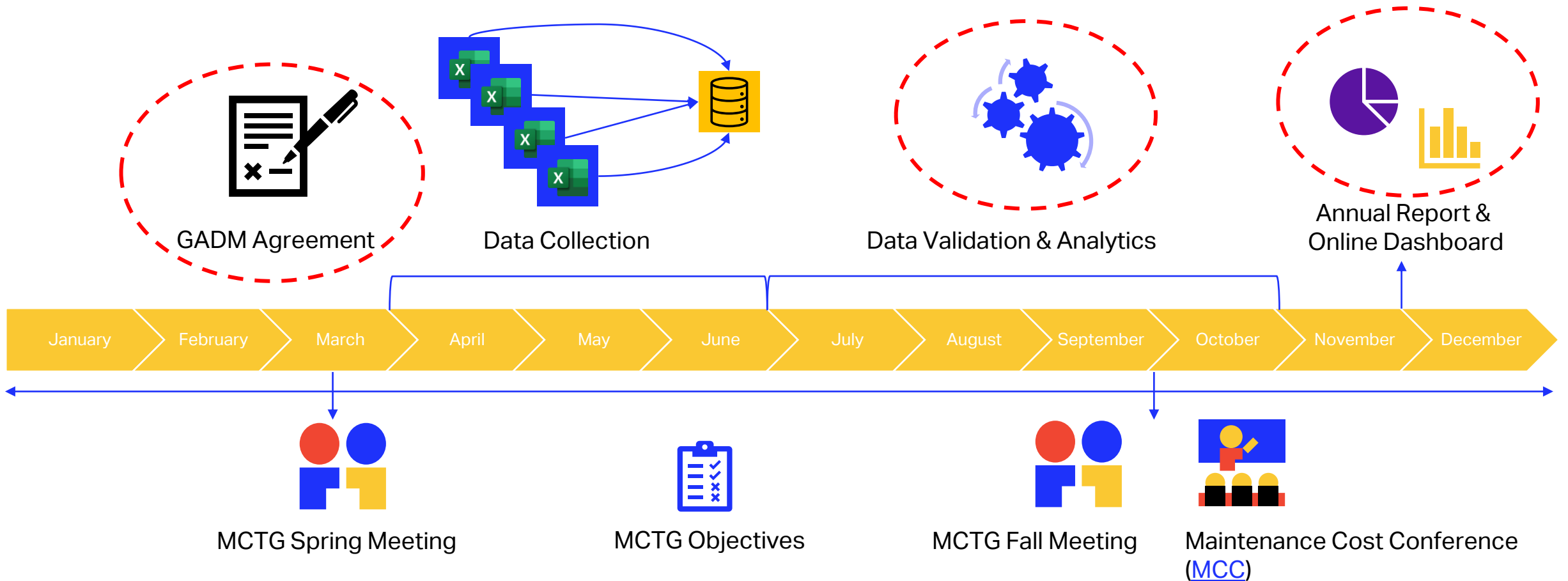
About MCX

- A voluntary data exchange program; free of charge
- The focal point on aircraft maintenance costs
- Objectives:
 - Define and standardize maintenance cost reporting
 - Develop benchmark capabilities
 - Share knowledge, experience and industry best practices for cost management

Main Activities

- Annual data collection and analysis
- Community ⇒ Maintenance Cost Technical Group ([MCTG](#))
 - 2 meetings per year
 - Annual Maintenance Cost Conference ([MCC](#))
- [Publications](#) and industry surveys
- Regional workshops; in-company workshops

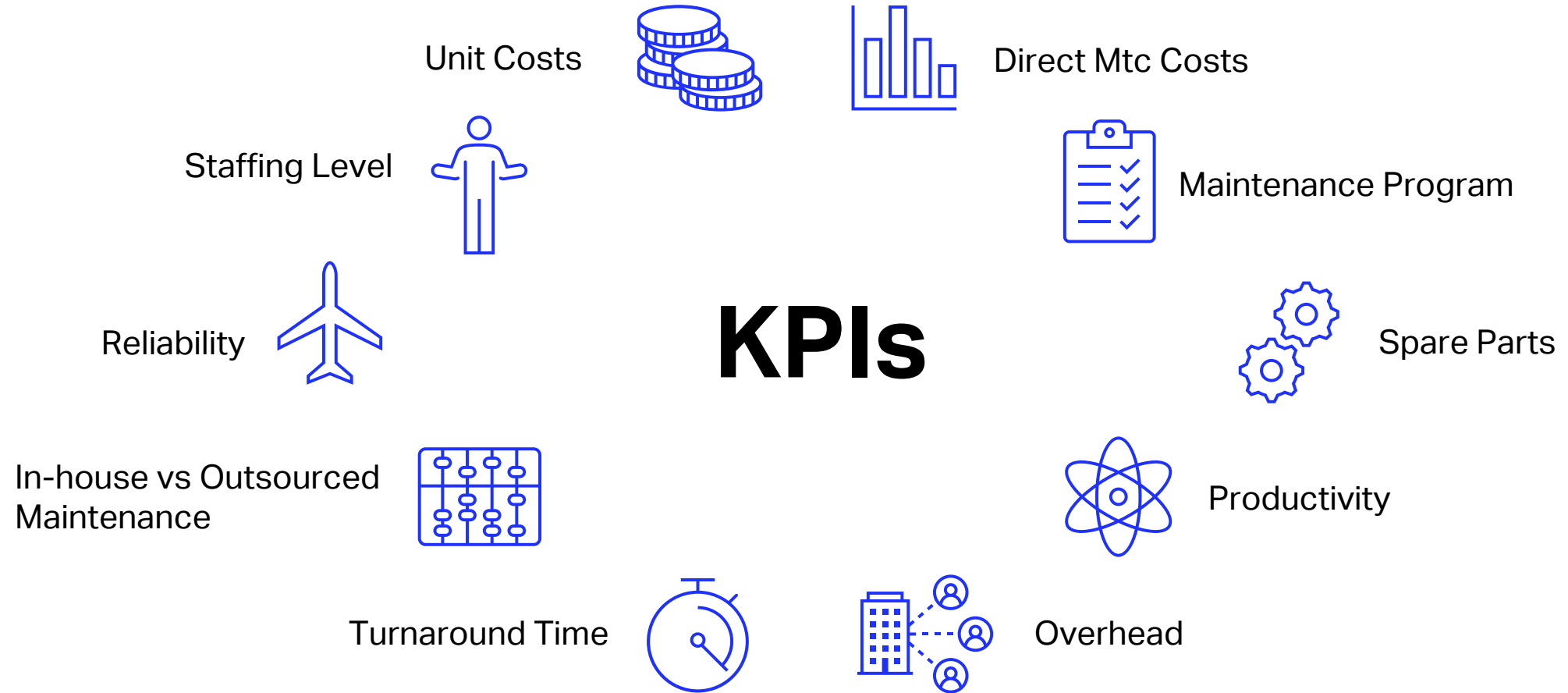
Typical Timeline



Maintenance Cost Methodology

- Standard definitions: what is a maintenance cost and what's not
- Managerial accounting ≠ Financial accounting rules (IFRS & GAAP)
- Data submission requirements for data quality and consistency
- Allocating the ops data and maintenance costs
 - By aircraft/engine type
 - By segment (Line, Base, Component, Engine)
 - By element (Labor, Material, LLPs, Subcontracted)
 - Direct vs Indirect costs
- De-identified, aggregated data

Key Areas & Metrics



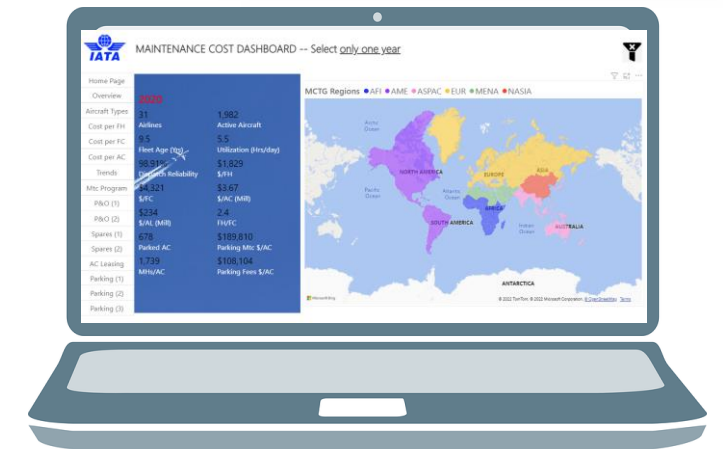
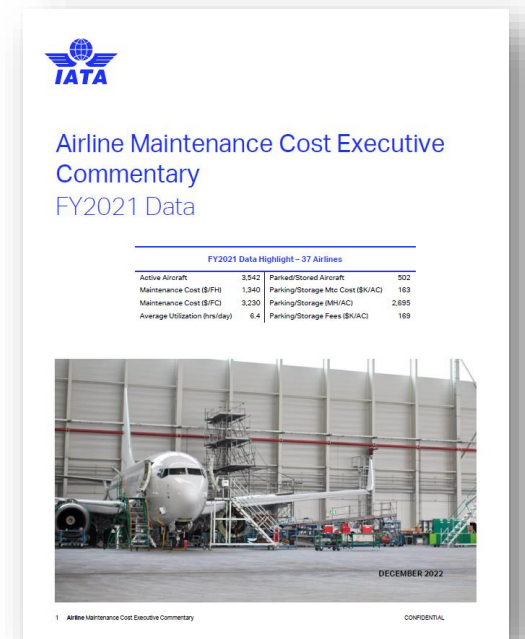
Use Cases

- Benchmarking vs peers; within region; among various aircraft types
- Decision making:
 - Introduction of new fleet type (purchase, airline merger, etc.)
 - Engine options
- Beyond DMC\$:
 - Staff levels and productivity; Overhead costs; Leased AC and maintenance reserves; Inventory levels; Engine lease/loan costs; Component pool costs
- Contribution of E&M to airline's bottom line

Membership Benefits

Exclusive benefits for participating airlines:

- Annual Maintenance Cost Executive Commentary
- Web-based Dashboard (data visualization & query tool)
- Based on a unique database with:
 - Up to 55 airlines / year
 - ~25% of MRO spend worldwide
 - ~20% of the world fleet
 - 46 aircraft versions
 - 79 aircraft/engine combinations



Years 2021	Region All	Aircraft Category All	Aircraft Type All	Fleet Age Group All
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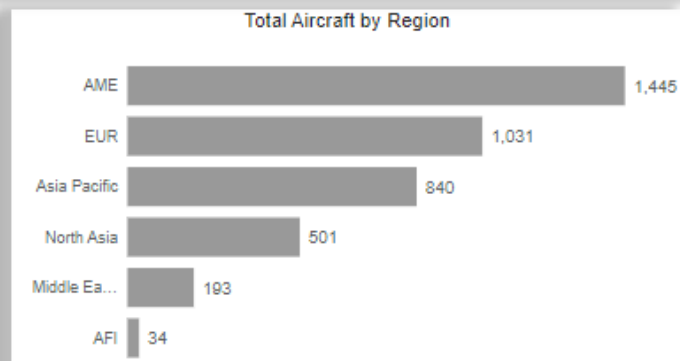
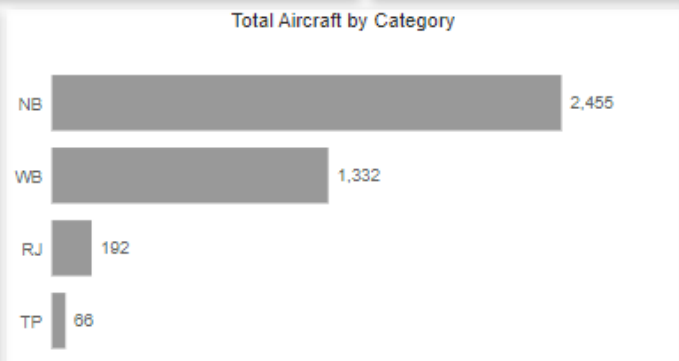
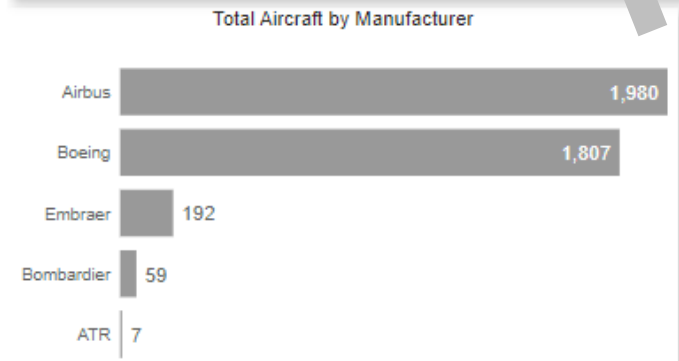
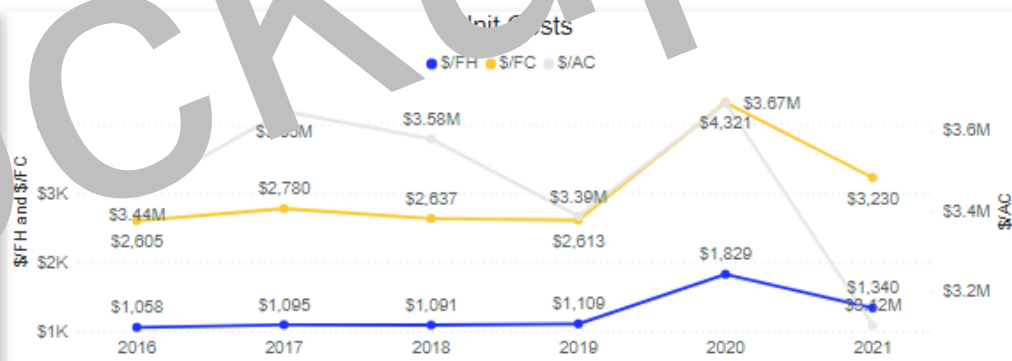
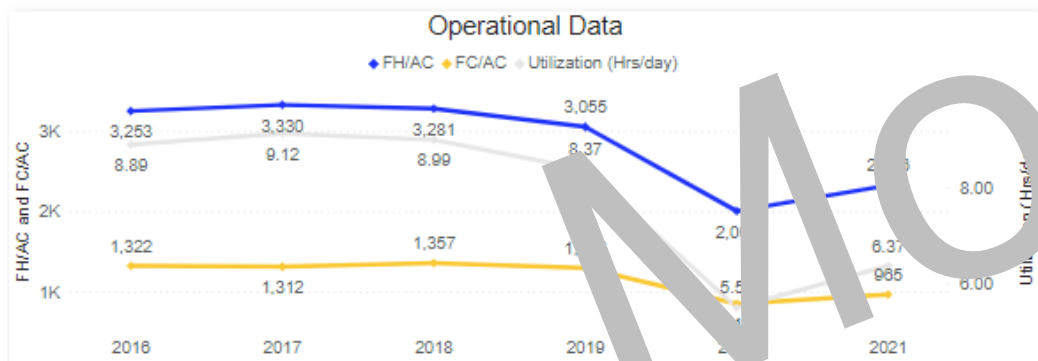
Operators 37	Aircraft 4,045	Active Aircraft 94%	Dispatch reliability 97.99%	Average Fleet Age 9.9 yrs	Utilization 6.4 hrs/day
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DMC \$/FH
\$1,340

DMC \$/FC
\$3,230

DMC \$/AC
\$3.12M

- Fleet Analysis**
- Mtc Segments & Elements
- Maintenance Programs
- Spa...



Thank you!

Any questions?

IATA

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