



ciframi
2024

Airbus, un candidat atypique à la conquête de la Gestion d'Actifs

Les freins et accélérateurs
d'un projet d'Asset Management

COMMERCIAL AIRCRAFT

Ashley Morris
Arthur Jantet
Joël Serres

Industrial Asset Manager
Asset Management Engineer
AM & Maintenance Expert

@ Airbus St Eloi Factory
@ Airbus Headquarters
@ Airbus



Meet the Airbus AM Jedi Masters



Joel Serres
AM & Maint. Expert



900 years of AM & Maint.
MBTI - Logistician (ISTJ)
Foie gras eater



Ashley Morris
Asset Manager



20 years of AM & Maint.
MBTI - Adventurer (ISFP)
Pork pie eater



Arthur Jantet
Asset Manager



10 years of AM & Maint.
MBTI - Advocate (INFJ)
Poutine eater

ASSET MANAGEMENT

JOURNEY

It starts
here....



The Airbus Family of versatile new-generation aircraft

Single-aisle Family



A321neo



A320neo



A319neo



A220-300



A220-100

Widebody Family



A350-1000



A350-900



A330-900

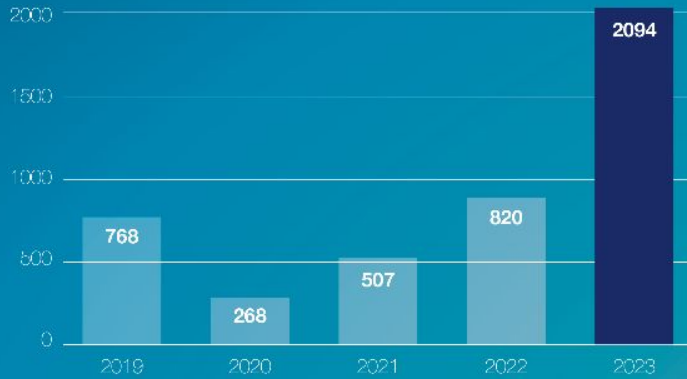


A330-800

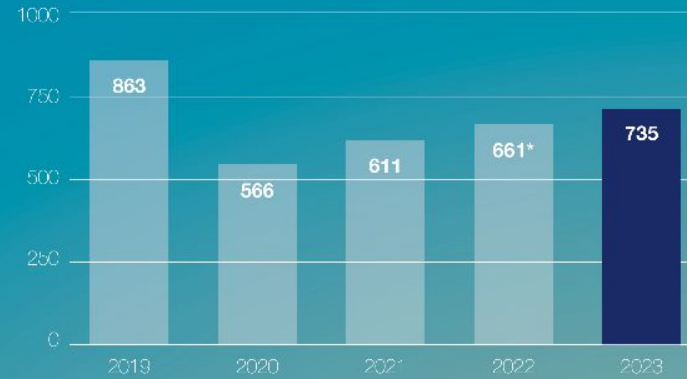
Airbus - 2023 Commercial Aircraft highlights

Strong deliveries, record orders across entire product range

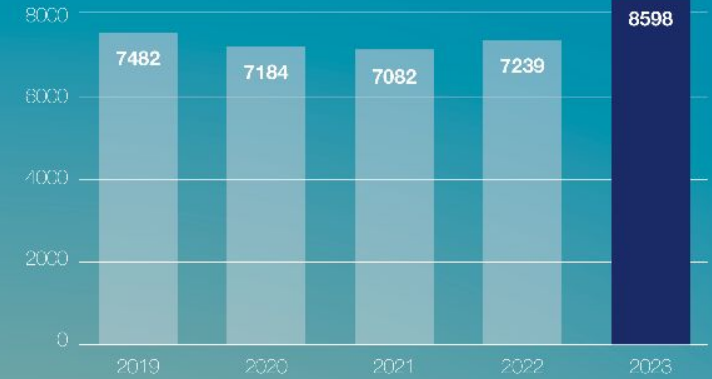
Orders (net) 



Deliveries 



Backlog 



Deliveries per programme

Eleven percent increase in total



Deliveries per region Strong global footing



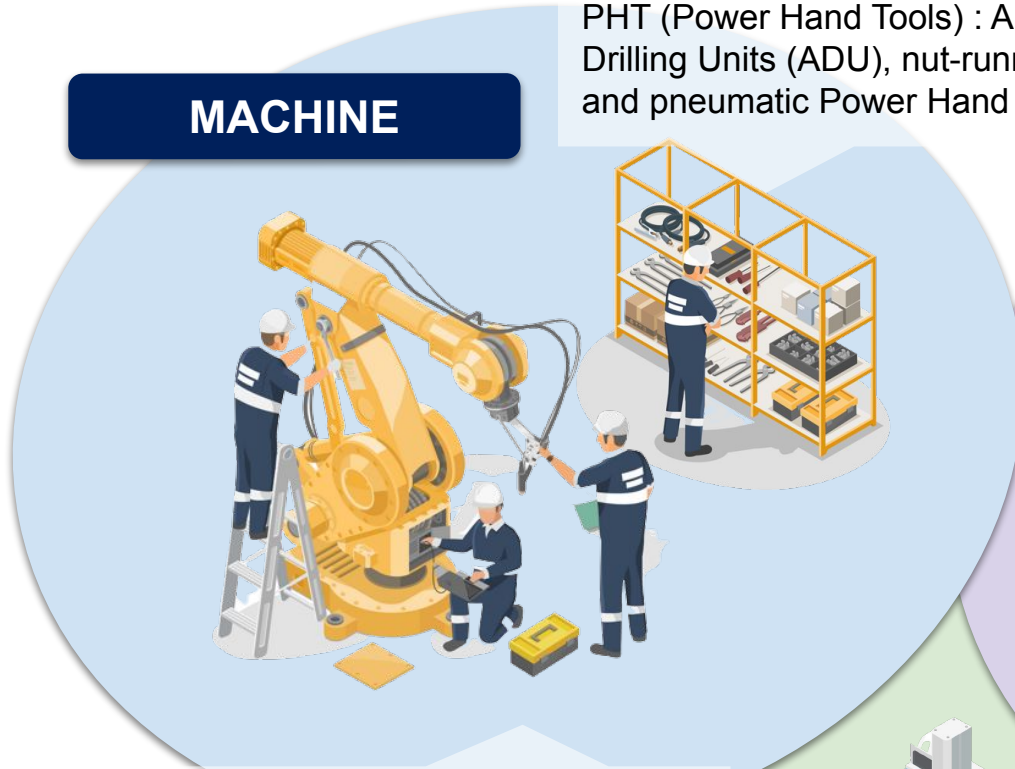
*After a reduction of two aircraft (2 A350-900 AEROFLOT) previously recorded as sold in December 2021 for which a transfer was not possible due to international sanctions against Russia.

Our Galaxy



Our Spaceships

MACHINE

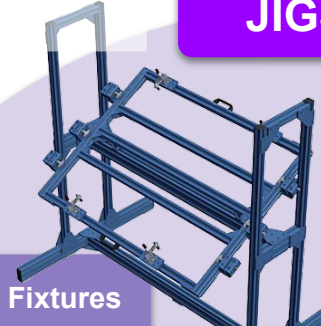


PHT (Power Hand Tools) : Automatic Drilling Units (ADU), nut-runners, electric and pneumatic Power Hand Tools

Fiber placement, tape-laying, welding, cutting, milling, trimming, drilling, fastening, surface treatment, forming, NDT, robots, autoclaves, ovens, paint shops, additive layer machines, etc.

JIGS & TOOLS

Jigs & Fixtures



Logistic Equipment



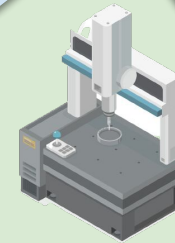
Ground Test Equipment



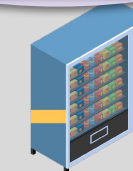
Ground Support Equipment



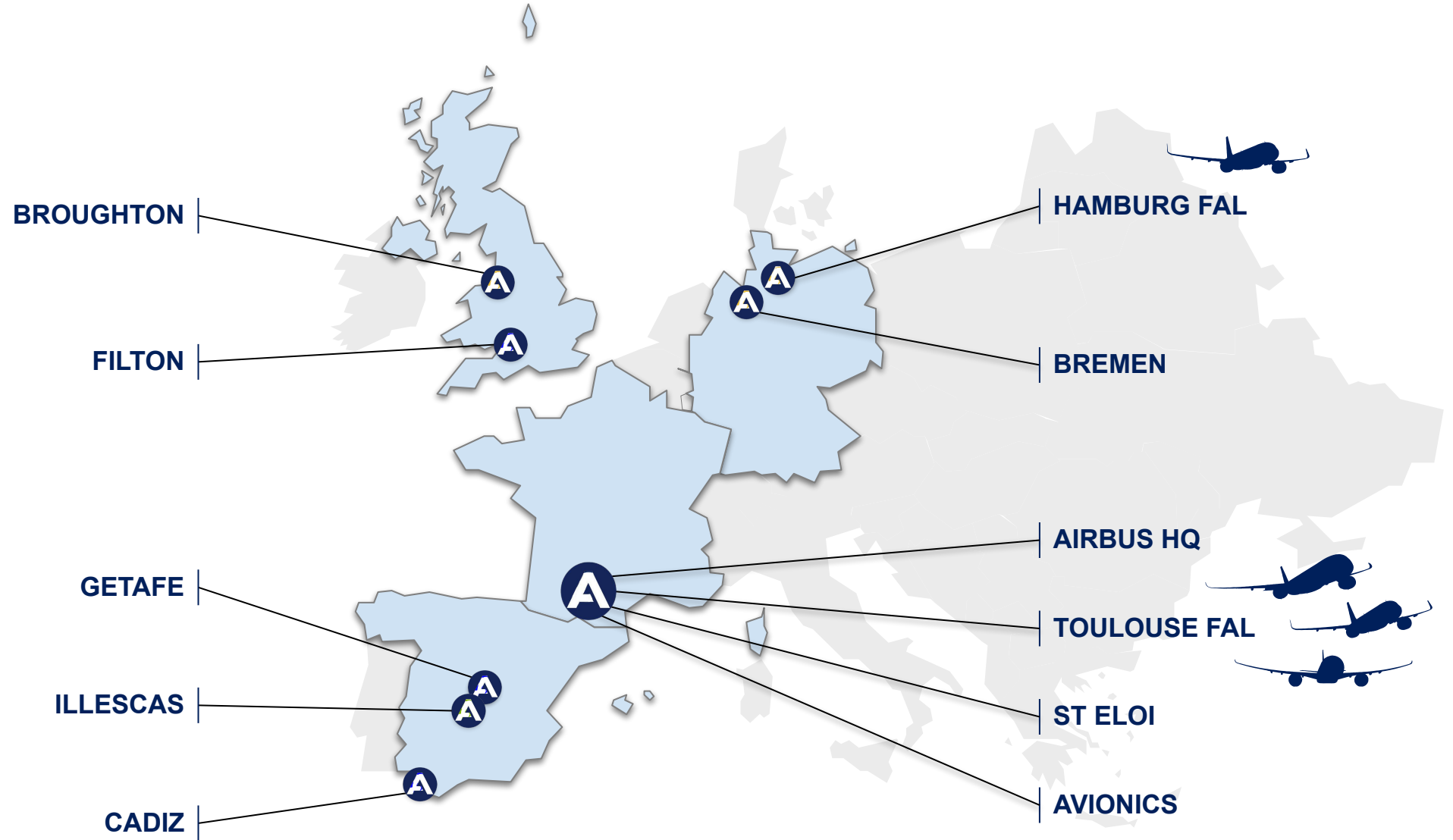
MEASUREMENT



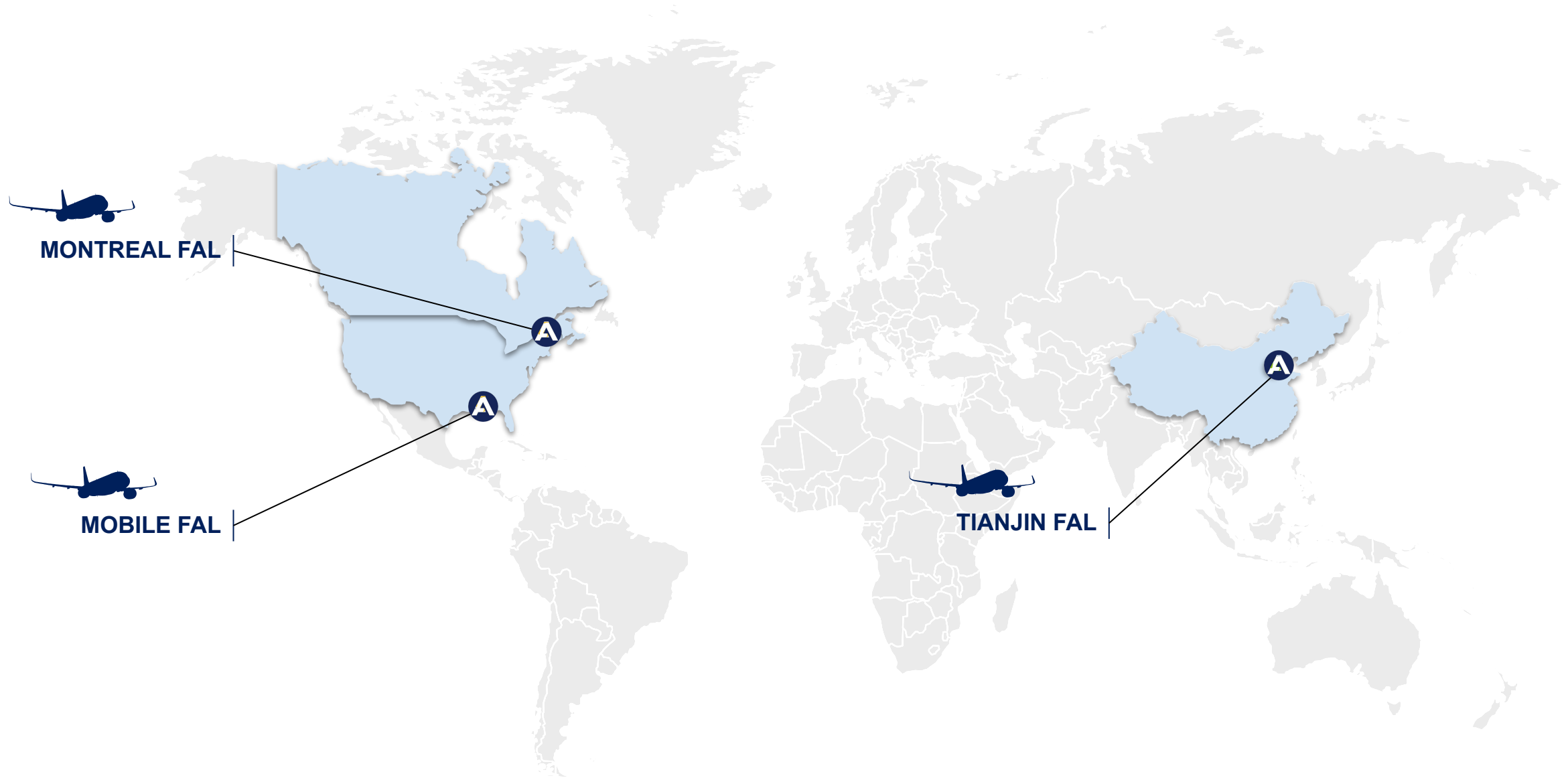
OTHER



Our Planets



In a Galaxy far, far away...





ASSET MANAGEMENT
JOURNEY

Where
do we
stand?



AM Summit



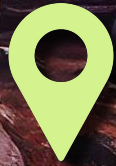
Base Camp #4



Base Camp #3



Base Camp #2



Base Camp #1

AIRBUS

Experienced Sherpas



- Electrical
- Water & Wastewater
- Facilities Management



- Infrastructure
- Transport



- Ports & Airports
- Mining
- Oil & Gas

ASSET MANAGEMENT

JOURNEY

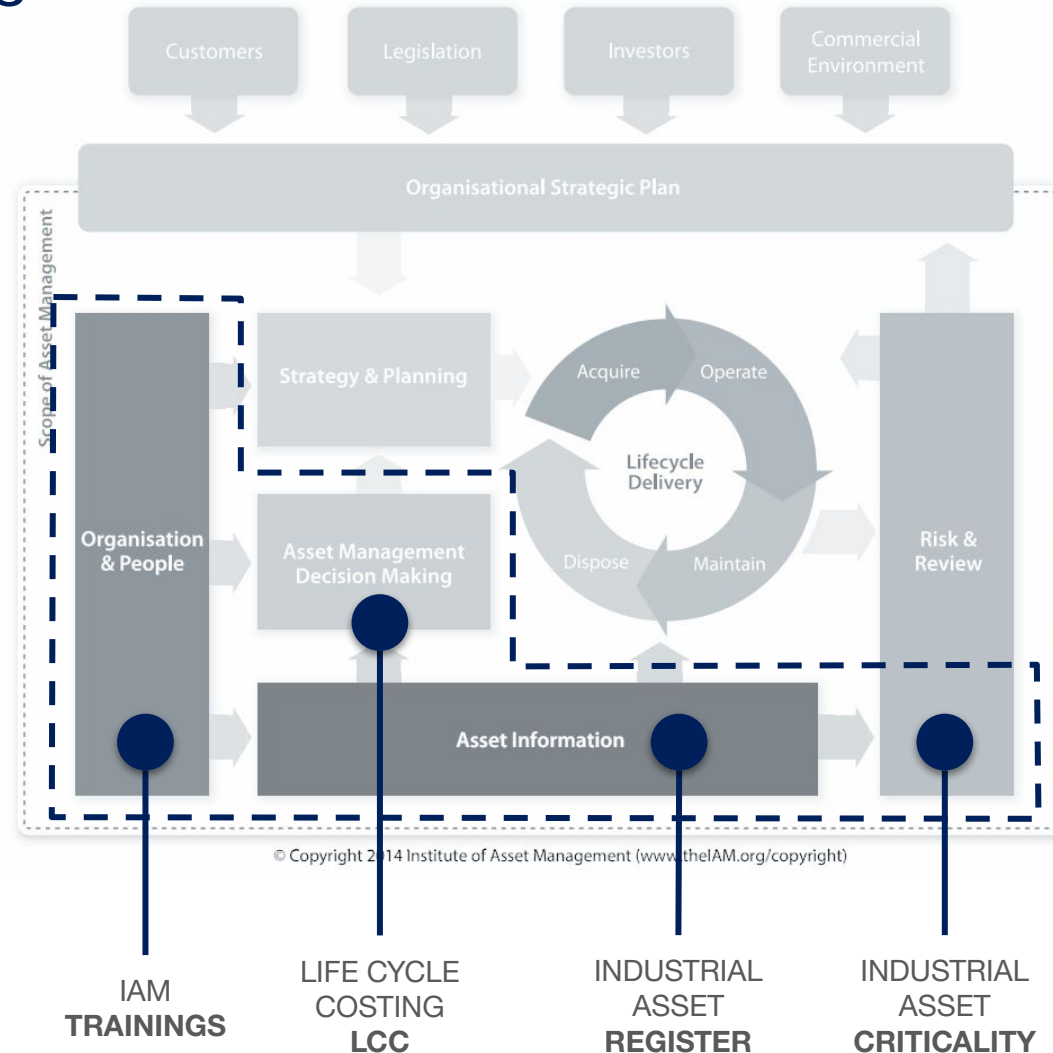
How we've approached it





IAM conceptual Model

Approach angle



Where we have focused our effort so far with a limited mandate
and, as a consequence, limited impact

- **AM Culture & Skills** : trainings available
- **Know your Assets**
- **Know your Risks** (including Asset Criticality)
- **Know your Investments** (what's planned)
- **Know your Performance**
- Build an Asset Management Overview (Risk, Perfo, Cost)
- Improve your Asset Information (e.g. asset condition)
- Create Asset Management KPIs
- Set-up AM routines (periodic reviews)

Examples from St Eloi plant | Toulouse, FR

Angle of approach |



Resolve complexity of ISO by demonstrating tangible, concrete benefits in the form of simple visual asset level efficiency & effectiveness displays

Explore the economic impact of the maintenance strategy in the context of an overreaching Asset Management model



Development of Cost-Perf-Risk models to assist in 2-5 year arbitration (Allocation of invests, adaptation of workload planning etc.)

Developed how maintenance is integrated into overall production scheduling with routine adjustments and creation of scenario modelling



Analysis and re-calibration of the management blueprint and overall organisational objectives of the maintenance department

Development of a common economic scale and decision making process for long term asset planning (10-20 year horizon)



ASSET MANAGEMENT

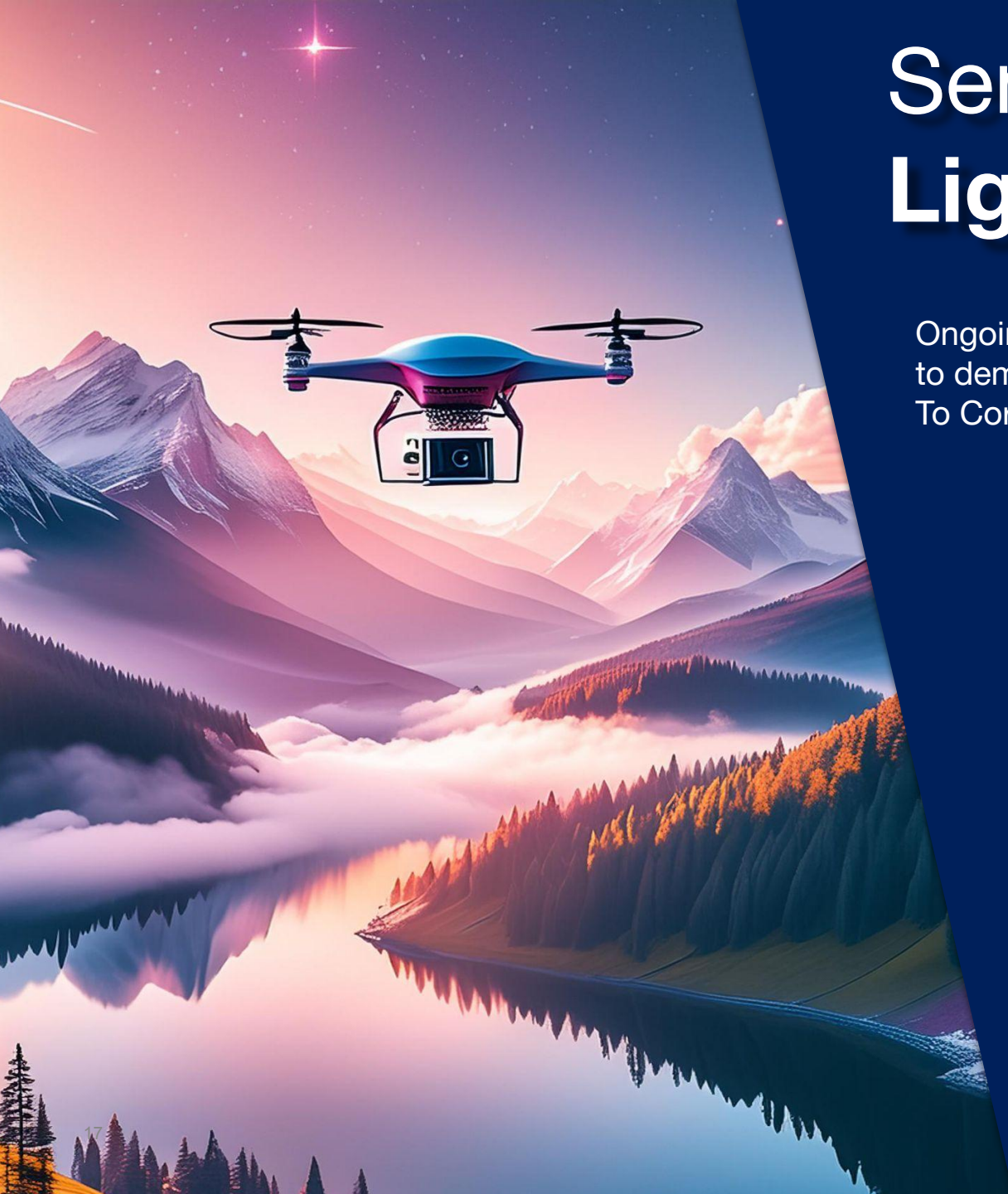
JOURNEY

Now ...
What are we
doing about it?

Sending Lightweight drones

Ongoing initiatives ...
to demonstrate & unlock value ...
To Corporate Management

- **CAPEX** | How we could prioritise and measure more precisely what's at stake
- **Programs** | Investors - expose the value lost/gained if we considered things differently
- **Finance structures** | Common ground on recognising what value is and how it translates holistically



Thank you

**We are here to learn, we invite you to
help us reach our next destination**