



**CUSTOMER EVENT**

PRAGUE 2022

PARTNER PRESENTATIONS

GE Digital

OmniSMS

nVable



# Modernize Asset Documentation

## GE Digital, Aviation Software

October 2022





# Introductions :



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# The GE landscape



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# Meet the Aviation Software team

- **About us:**

- Global team with presence in **4 regions**; Americas, Europe, Middle East and Africa, Asia Pacific & China
- Dedicated, knowledgeable, passionate **aviation experts**
- **Best of breed execution** in sales, support, product management, product development, marketing and services
- Our **customers** are our priority. We embrace a wingman philosophy. We've got your back.
- Very active worldwide **user communities**

Commercial



MROs



Lessors









Business Jets

# GE Digital, Aviation Software – Portfolio



Our solutions help increase sustainability across your operation – from **fuel usage**, to **airspace efficiency**, **predictive maintenance**, **flight crew empowerment**, **digitization of tech records**, and **smoother asset transitions**.

Leverage the power of your data coupled with our digital tools and services, to **promote efficiency** and help **reduce carbon emissions**.

Fuel Efficiency and FDM	FlightPulse® (EFB Solution)	Fuel Benchmarking	Asset Records Solutions	Maintenance Analytics	Airspace Efficiency
 <ul style="list-style-type: none"> <li>Maximize Operational Efficiency</li> <li>Minimize Carbon Footprint</li> <li>Identify specific actions for fuel consumption reduction</li> <li>Quantify areas for improvement</li> </ul>	 <ul style="list-style-type: none"> <li>Empower pilots with accurate, reliable, curated insights</li> <li>Secure access to personal analytics</li> <li>Self-discover areas for optimization</li> <li>Informed decision-making around fuel and emissions</li> </ul>	 <ul style="list-style-type: none"> <li>Compare your progress with others in the airlines</li> <li>Learn and leverage from what others do</li> <li>Sustainability is everyone's goal, so let's work on it together</li> </ul>	 <ul style="list-style-type: none"> <li>Prepare your assets documentation for transition as you operate them</li> <li>Full digital collaboration between airlines, lessors, MROs</li> <li>Reduce amount of paper, business travel, and inefficiencies</li> </ul>	 <ul style="list-style-type: none"> <li>Predict and prevent costly maintenance events</li> <li>Improve decision-making to avoid fuel waste</li> <li>Reduce excess fuel burn and carbon emissions</li> </ul>	 <ul style="list-style-type: none"> <li>Identify airspace inefficiencies</li> <li>Reduce time between destinations</li> <li>Optimize fuel usage</li> <li>Decrease carbon emissions</li> <li>Influence airspace improvements</li> </ul>
<ul style="list-style-type: none"> <li>Fuel analysts</li> <li>Fuel managers</li> <li>Senior leadership</li> </ul>	<ul style="list-style-type: none"> <li>Flight operations</li> <li>Flight crews</li> <li>Flight data monitoring</li> </ul>	<ul style="list-style-type: none"> <li>Fuel mgmt / Flt ops</li> <li>Senior leadership</li> <li>Industry experts</li> </ul>	<ul style="list-style-type: none"> <li>Tech records mgrs</li> <li>Lease management</li> <li>Compliance</li> </ul>	<ul style="list-style-type: none"> <li>Engineering</li> <li>Maintenance</li> <li>Airworthiness</li> </ul>	<ul style="list-style-type: none"> <li>Fleet / route planning</li> <li>Gov. ATC. airports</li> <li>Senior leadership</li> </ul>

[Alexandre.Beaux@GE.com](mailto:Alexandre.Beaux@GE.com)



# Asset Records Portfolio



800M+

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Aircraft maintenance records being maintained on Asset Records

6,200+

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Aircraft digitizing their maintenance records with Asset Records

50+

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Airlines, lessors, cargo carriers, business jet operators, and MROs are our customers

We have become more than records digitization & storage...

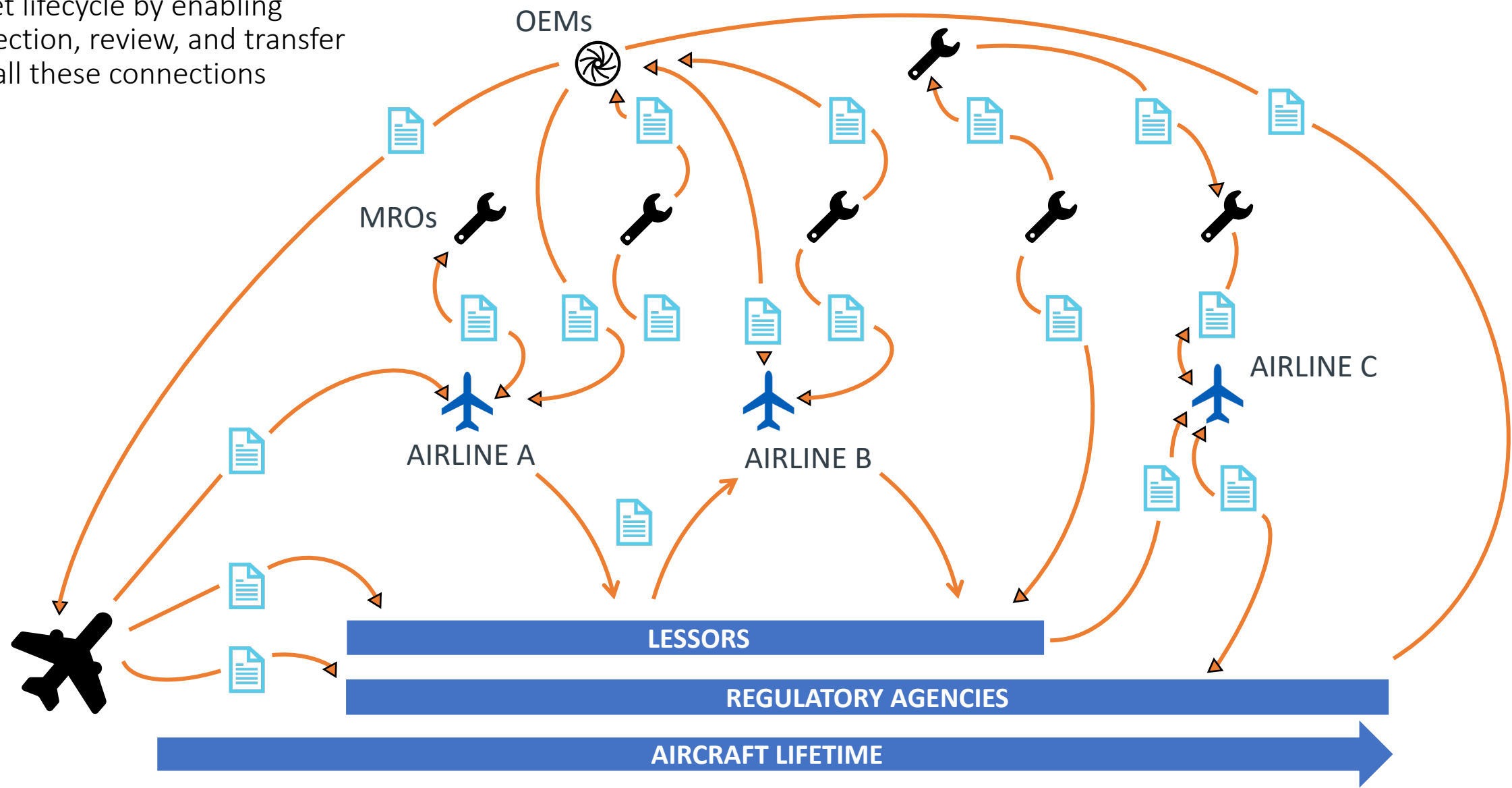
... we now enable records & asset management throughout the full lifecycle

... and are maintaining a 3+ years roadmap driven by customer's ideas and votes



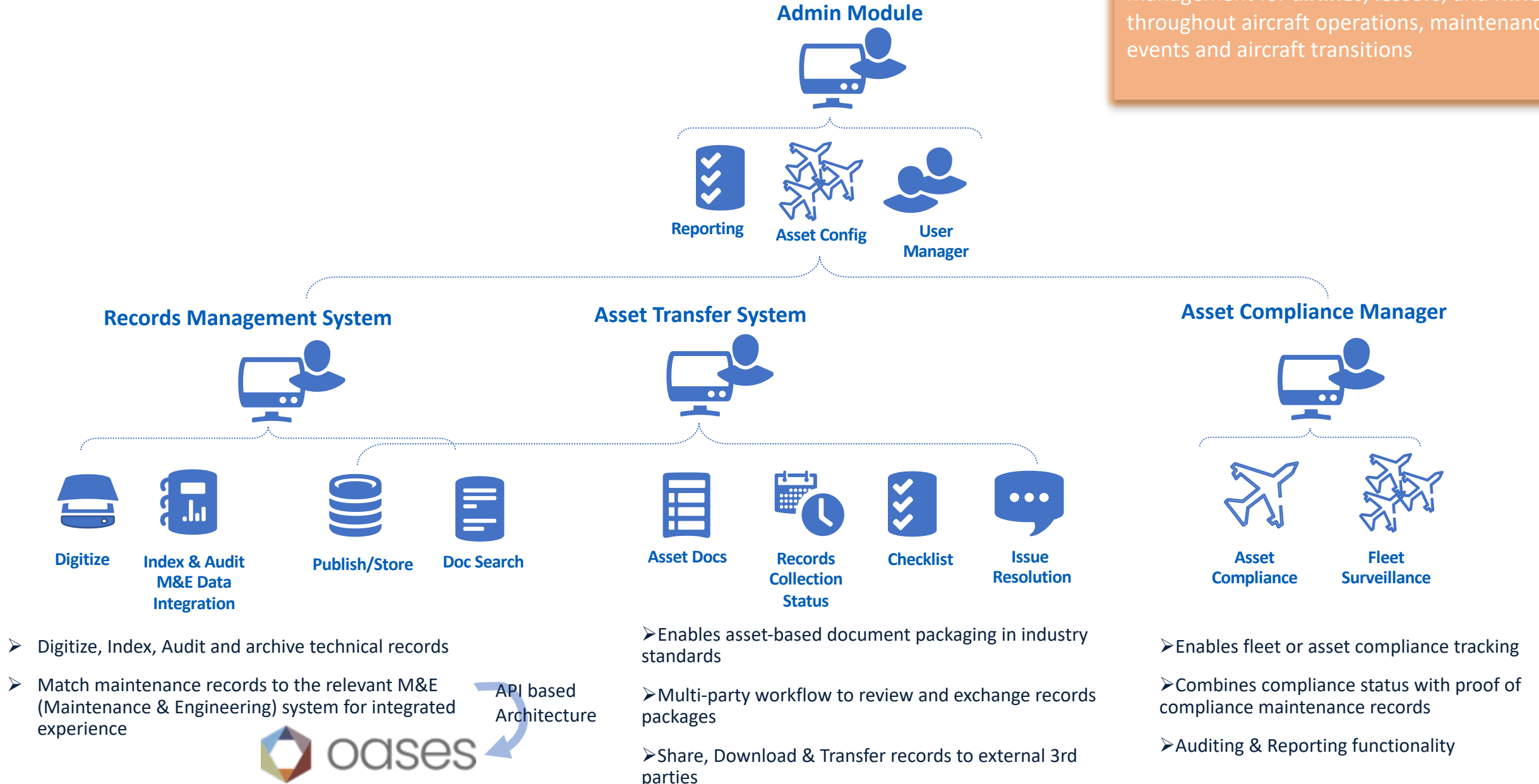


Asset Transfer System is designed to support the entire asset lifecycle by enabling collection, review, and transfer for all these connections



# Asset Records Portfolio Overview

**Interconnected Products** enable streamlined asset documentation and compliance management for **airlines, lessors, and MROs** throughout aircraft operations, maintenance events and aircraft transitions

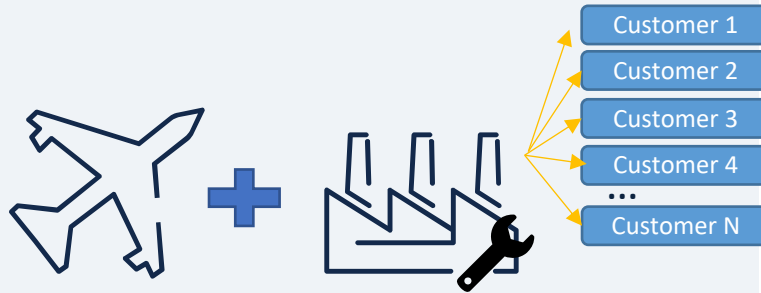




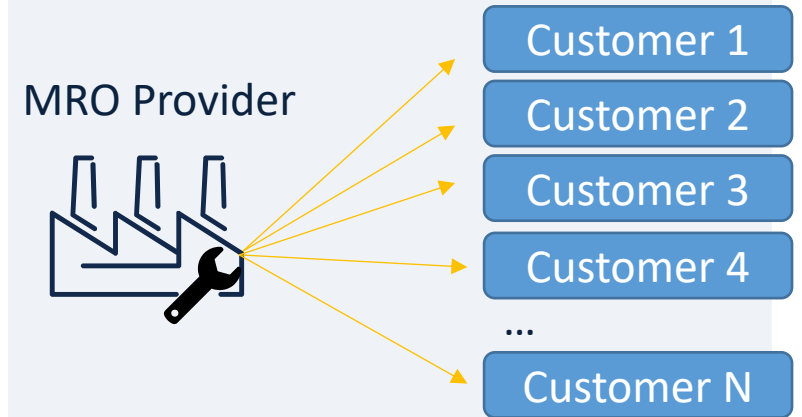
# Asset Transfer System (ATS) Versatility



**Airline wants to improve how they manage asset sales & lease returns AND manage complex assemblies they send out to MROs**



**Airline has a Tech Ops MRO profit Center and does work on their own fleet as well as external customers.**



**MRO provider needs to provide records packages to their operator & lessor customers in a streamlined way**

# Kalitta Engine MRO – ATS Usage

Kalitta Air Cargo Press Release

## Asset Transfer Application



- Airline customers submit workscope via ATS
  - Kalitta approves & collaborates with Issues Workflow tool
- Submit & Approve Incoming Docs
  - LLP Sheet
  - AD/SB Status
  - Component Status Details

- Kalitta uploads documentation during shop visit
- Customers gain visibility to the shop visit progression
- Easy transmission of digital files from shop at SV completion

# Dubai Aerospace Enterprise (DAE) Customer Story

18

- Aircraft transitions in the first 6 months using ATS

2M

- More than 2 million records digitized

425

- Aircraft

“

Our greatest benefit comes from our ability to quickly find the data we're looking for. There is also time savings in our review and processing of inspection data, and our inspectors have commented on the improved upload speeds enabled by the ATS software.

Nicole Goodson - Director of Data Management & Surveillance Oversight, DAE



# Records Manager

VIEW

SEARCH

RETRIEVE

DOWNLOAD



TRANSFER

# Transfer Records

Asset Transfer System for ATS Demo

V2022.08.R33

Records Manager

Project Search

Document Search

Airframe: 123AmazonAF - Boeing - B767-30...Asset Records

765

Transfer Records

Allow/Manage 3rd Party Access

Download Files

44 Total Files

5

>

A. Certificates

30

>

B. Aircraft Maintenance Status Summaries

1

>

C. Aircraft Maintenance Records

4

>

D. Configuration Status

1

>

E. Aircraft Manufacturer Records (Non Model Specific)

2

>

F. SN: 001AmazonEN - Engine Records (Please raise separate hard copy and PDF folders f...

>

G. SN: 123AmazonAPU - APU

>

H. Component Records

1

>

I. Landing Gears

Allow/Manage 3rd Party Access

Download Files in Selected Projects

Reset Filters

<input type="checkbox"/> PROJECT TYPE	PROJECT TITLE	DELIVERY DATE	ACTIONS
Filter	Filter		
<input type="checkbox"/> Aircraft Transition (Active projec...	Propeller asset test	30 Nov 2022	ooo
<input type="checkbox"/> Aircraft Transition (Active projec...	GMF Test 123	31 Oct 2022	ooo
<input type="checkbox"/> NEW Airbus (Active project)	MYAirlines Induction	26 Oct 2022	ooo
<input type="checkbox"/> Aircraft Transition (Active projec...	737 Lease Return	30 Sep 2022	ooo
<input type="checkbox"/> Engine Shop Visit (Active project)	Fiji Entry Into Service	31 Aug 2022	ooo
<input type="checkbox"/> Aircraft in Service Operations (A...	AIS DEMO TEST DO	30 Jun 2022	ooo
<input type="checkbox"/> Engine Shop Visit (Active project)	Shop Visit	27 May 2022	ooo
<input type="checkbox"/> Aircraft Transition (Active projec...	Singapore Airlines 737 Redelivery	08 Jan 2022	ooo
<input type="checkbox"/> Aircraft Transition (Active projec...	KargoXpress	31 Dec 2021	ooo

# Transfer Records in Spec2500 via self serve SFTP

Airframe: 123AmazonAF - Boeing - B767-30...

765

Transfer Records

## CHOOSE RECORDS TO TRANSFER

[SELECT ALL](#) | [SELECT NONE](#)

- ☒ > A. Certificates
- ☒ > B. Aircraft Maintenance Status Summaries
- ☒ > C. Aircraft Maintenance Records
- ☒ > D. Configuration Status
- ☒ > E. Aircraft Manufacturer Records (Non Model Specific)
- ☐ > F. **SN: 001AmazonEN** - Engine Records (Please raise separate hard copy and PDF folders for each r...
- ☐ > G. **SN: 123AmazonAPU** - APU
- ☒ > H. Component Records
- ☒ > I. Landing Gears

## OPTIONS

TRANSFER TYPE

Secure FTP

EXPORT SPECIFICATION

Spec 2500 - 2017.2

EMAIL KEYS TO

Separate multiple email addresses with a comma...

☐ EMAIL A COPY TO ME

EMAIL MESSAGE

# Document Search

DOCUMENT SEARCH

Reset

Search

REPOSITORY

ATS Demo - Asset Docs

DOCUMENT SEARCH

Asset Doc Search

At least one search criteria must be applied before search is config.

ASSET TYPE

MANUFACTURER

MODEL NUMBER

ASSET SERIAL NUMBER

994483

Search Results283 RESULTS

Column Display

FILENAME	ACTIONS
Engine 994483 Oils & Fluids Statement	ooo
ENGINE 994483 NIS STATEMENT - Final	ooo
fleetmonitor-plots 994483.pdf	ooo
ESN 994483 LAST TEST.pdf	ooo
ESN 994483 EDS.pdf	ooo
Repair Dec 2015.pdf	ooo
ESN 994483 - ENGINE SERVICE BULLETIN	ooo
10E AD Statement - ESN 994483.pdf	ooo
2011-18-02.pdf	ooo
ESN 994483.pdf	ooo

Rows Per Page

1 - 10 of 283

1 of 29

ESN 994483 EDS.pdf

1702/2003

ENGINE DATA SUBMITTAL

Subject: As-Built Engine Data Submittal for ESN 994483

1 Engine Data Submittals containing the following documents:

1. Configuration Status

2. Service Bulletin Status

3. Airworthiness Directive

Engine Model / Engine Serial Number : CF34-10E6 / 994483

Current Customer : EMBRAER

Approved under the authority of FAA Production Certificate (PC) Number 108 in compliance with regulations 14 CFR part 21 or DGAC Production Organization Approval (POA) Number 108 in compliance with European Union (Commission) Regulation No. 1702/2003, Annex 21, and the appropriate General Electric Company or SNECMA quality systems.

Submittal have been approved, through the configuration design change system (CID/CAD/DCA) by FAA and DGAC Engineering and are Type Certified for use on this Product.

Page 1 of 1



# Handwritten Documents Recognition

Records Manager ▾

Project Search

Document Search

CHECKLIST MAIN

CHECKLIST SUBFOLDER

FILE NAME

AD #

AD NUMBER

MSD DESIGNATOR

FULL TEXT

alex

Search Results 2 RESULTS

Column Display

FILENAME	ACTIONS
Manual task cardn_1.jpg	ooo
G-FBEK_ESN 994452_BOREScope INSPEC	ooo

Rows Per Page 1 - 2 of 2 1 of 1

10 ▾

Manual task cardn\_1.jpg

WO #	Part Number NSN	Title	TC #
SWO-003084		HOSE ASSEMBLY PRESS. & FLOW TEST	
WO Date	Serial #		Rev Date Current
25 Dec 2015	994488		
WO Description	TT/TSN	TSO	Quantity
Replace Hose and Check	34,000		10
TASK			INITIALS
			MECH INSP
1. CLEAN AND INSPECT HOSE ASSY.			Naseem
2. PRESSURE TEST			Naseem
3. FLOW TEST			Alex

Scanned with CamScanner

physicalFile (2552 × 1180)

+

-

1:1

C

↶

↷

↺

↻

# Project Manager

CREATE PROJECTS

MANAGE  
DOCUMENT  
COLLECTION

TRACK OPEN  
ISSUES

VIEW  
DASHBOARDS



SEE PROJECT  
STATUS

# Project Brief

Project Manager

Projects

Brief

Checklist

Issues/Flags

Compliance

737 Lease Return 123AmazonAF

PROJECT TYPE (REG NO.)  
Aircraft Transition

DELIVERY DATE  
30 Sep 2022

DOCUMENTS ACCEPTED  
71/142 50%

CHECKLIST PROGRESS

## CHECKLIST PROGRESS

### POINT OF VIEW

Standard ☒ 3rd Party Reviewer



✓ COMPLETED

1%

🔄 IN PROGRESS

15%

✗ REJECTED

2%

○ NOT STARTED

82%

DOCS ACCEPTED

50%

Uploaded: 142  
Accepted: 71

CHECKLIST GROUP	NO. OF ISSUES	COMPLETED	DOCS ACCEPTED	
A. Certificates	6	6%	60/70	86%
B. Aircraft Maintenance Status Summaries	1	0%	6/41	15%
C. Aircraft Maintenance Records	0	0%	5/13	38%
D. Configuration Status	2	0%	0/6	0%
E. Aircraft Manufacturer Records (Non Model Specific)	0	0%	0/1	0%
F. SN: 002AmazonEN - Engine Records (Please raise separate har...	0	0%	0/3	0%
F. SN: 111222 - Engine Records (Please raise separate hard copy a...	0	0%	0/0	0%

## STAKEHOLDERS

NAME	ORGANIZATION	ROLES	ACCESS EXPIRATION DATE
Serhat 2	ATS Demo		
hakan caran	ATS Demo	Admin	
Omar Mendoza	ATS Demo	Admin	
Naseem Haq	ATS Demo	GECAS Asset For S...	
Gulcan Davran	GE	3rd Party Auditor	30 Nov 2021
auditor test	test account	3rd Party Auditor	30 Jun 2022
editor test	test	3rd Party Editor	31 May 2022

# Project Checklists

CHECKLIST OPTIONS

POINT OF VIEW  
Standard ☐ 3rd Party Reviewer ☐

FILTER ITEMS BY STATUS  
☐ ☒ Completed ☐ ☒ In Progress  
☐ ☒ Rejected ☐ ☐ Not Started

BROWSER  
Jump to: [A](#) [B](#) [C](#) [D](#) [E](#) [F](#) [G](#) [H](#) [I](#) [J](#)

Filter checklist items...

✓ A. Certificates

142 Total Files

4

A001

Certificate of Airworthiness...

4

...

A002

Certificate of Registration

45

✓

A003

Certificate of Airworthiness...

1

...

A004

Noise Certificate (or equiva...

1

...

A005

Radio Station License inclu...

2

2

✗

A006

Aircraft De-Registration co...

1

...

A007 A

Captains Seats

8

...

A007 B

First Officers Seats

1

○

A007 C

Observers Seats

...

A007 D

Flight Attendants Seats

1

A. Certificates

A001 Certificate of Airworthiness & Airworthiness Review Certificate (ARC) if applicable

✓ Accepted Documents

Bulk Actions

+ Add Folder

Document Search

Drag or click to upload

Add Note

Column Display

Reset Filters

<input type="checkbox"/>	File Name	Status	Upload Date	Document Date	Asset Type	Airframe	Actions
	Filter	Filter	Filter	Filter	Filter	Filter	
<input type="checkbox"/>	26Jun2019.regcert.pdf	Accepted	19 Aug 2022	Invalid date	Airframe		ooo
<input type="checkbox"/>	26Jun2019.airworthiness cert.pdf	Accepted	19 Aug 2022	Invalid date	Airframe		ooo
<input type="checkbox"/>	Documents mix.pdf	Accepted	20 May 2022	20 Aug 2021	Airframe	2-DC	ooo
<input type="checkbox"/>	100 MB.pdf	Accepted	14 Dec 2021	20 Mar 2003	Airframe	GFD	ooo

Rows Per Page 10

1 - 4 of 4 1 of 1

21



# Open Issues List (OIL)

Issues Flags

[Reset Filters](#) [Export](#)

 Column Display

ID	STATUS	PRIORI...	TASKS	TITLE	CHECK...	CHECK...	DESCRI...	RAISED...	CLOSE...	CLOSE...	CREAT...	ASSIG...	COMM...
Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter
<a href="#">43354</a>	Open	<span>●</span> Normal		Lessor d...	A. Certifi...	<a href="#">A001 - C...</a>	Defects	17 Aug 2...			naseem ...	Naseem ...	
<a href="#">43353</a>	Open	<span>●</span> Critical	2/2 - 100%	<span>✖</span> Bora ...	A. Certifi...	<a href="#">A001 - C...</a>	Look at s...	17 Aug 2...			Naseem ...	Naseem ...	naseem H 3rc
<a href="#">43196</a>	Open	<span>●</span> Normal		Missing ...	A. Certifi...	<a href="#">A001 - C...</a>		02 Aug 2...			Naseem ...	Naseem ...	
<a href="#">43195</a>	Closed	<span>●</span> Critical	2/2 - 100%	<span>✖</span> Reje...	A. Certifi...	<a href="#">A001 - C...</a>	Needs th...	02 Aug 2...	02 Aug 2...	Naseem ...	Naseem ...	Raymon...	Naseem H Ch
<a href="#">42201</a>	Open	<span>●</span> Normal		Issue wit...	A. Certifi...	<a href="#">A006 - Ai...</a>	Upload t...	29 Jun 2...			Naseem ...	Raymon...	
<a href="#">42200</a>	Open	<span>●</span> High	0/2 - 0%	<span>✖</span> Page...	A. Certifi...	<a href="#">A006 - Ai...</a>	Re-scan ...	29 Jun 2...			Naseem ...	Dermot ...	
<a href="#">41731</a>	Open	<span>●</span> Normal		<span>✖</span> chan	D.Config...	<a href="#">D002 - G...</a>	newly	19 May 2...			Raymon...	Unassign...	
<a href="#">41730</a>	Open	<span>●</span> Normal		<span>✖</span> flag 2	D.Config...	<a href="#">D001 - L...</a>	demo	19 May 2...			Raymon...	Unassign...	
<a href="#">41729</a>	Open	<span>●</span> Normal		test issue	B. Aircraf...	<a href="#">B004 - C...</a>	test	19 May 2...			Raymon...	Unassign...	

# Admin Module

Setup users  
Internal & 3<sup>rd</sup>  
Party users

Manage user  
access &  
expiration

Manage asset  
configuration

Manage project  
configuration



Manage Checklist  
configuration

# Managing Asset and Asset Groups

## Automate updates with APIs

### Edit Asset

ASSET TYPE \*

Airframe ▼

MANUFACTURER \*

Boeing

REGISTRATION NUMBER

REGISTRATION COUNTRY

Select ▼

LEGAL OWNER

LATEST OPERATOR

TSN

SERIAL NUMBER \*

123AmazonAF

MODEL \*

B767-300ER

MANUFACTURER DATE

DD MMM YYYY

REGISTRATION EXPIRATION DATE

DD MMM YYYY

LATEST LESSEE

CSN

NOSE/AC NUMBER

### Asset Group

[Add Asset +](#)

ASSET TYPE (REG. NO.)	SERIAL NUMBER	OEM	MODEL	ACTIONS
Engine	001AmazonEN	Pratt & Whitney	JT9D	✗
Engine	002AmazonEN	Pratt & Whitney	JT9D	✗
APU	123AmazonAPU	Honeywell	APU	✗
Airframe	123AmazonAF	Boeing	B767-300ER	✗

# Customizable Checklists

MANAGE CHECKLISTS

Actions ▾

IATA Aircraft Transition Induction

Engine Image Storage

Aircraft Operational Records

MRO Operation Rotorcraft

GEES Caledonian Outbound

GEES Caledonian Induction

IATA Transition Example


































ACM test

Delta MRO

Historical Records - Doc Type

GE CF6 Engine Overhaul

## IATA Aircraft Transition Induction

- > A. Certificates   
- > B. Aircraft Maintenance Status Summaries   
- > C. Aircraft Maintenance Records   
- > D. Configuration Status   
- > E. Aircraft Manufacturer Records (Non Model Specific)   
- > F. Engine Records (Please raise separate hard copy and PDF folders for)
- > G. APU   
- > H. Component Records   
- > I. Landing Gears   
- > J. Manuals   
- > K. Propellers (for each Propeller)   
- > J. Manuals   



# Asset Transfer System (ATS) integrates with external systems

Leveraging existing API technology, GE can enable external system integrations that make records management easy, intuitive and user-friendly. Asset Database Connectivity, Marketing Tech Spec API, and Technical Claim Systems API are **only a few examples** of the integrations GE has already enabled for customers.



## • Asset Database Connectivity API

- Enables lessors to maintain their asset management system as their sole input source by utilizing an API end point to mirror the lessors asset management system

## • Marketing Tech Spec API

- **Asset project history** - enables users to view full project history associated with a particular asset by providing a jump out from the lessor's system to automatically open documents within Asset Transfer System
- **Document search** - enables users to search for specific documents associated with an asset without knowing the project number by providing a jump out from the lessor's system to automatically open documents within Asset Transfer System
- **Maintenance activity** - enables users to search for specific documents that correspond to specific maintenance activity by providing a jump out from the lessor's system to automatically open documents within Asset Transfer System

## • Technical Claim Systems API

- Enables lessors to collect documents in their existing Technology Management System by allowing direct upload to Asset Transfer System and enabling auto publish into their Technology Management System



# Unique ATS benefits

- **Adopt latest technology with unique features:**

1. **Web-based Cloud system** leveraging the latest Microsoft Azure technology (incl. Azure Infrastructure and Azure OCR, OCR hand-writing...), **user-friendly** easy to use interface accessible anywhere anytime
2. **Available API** to integrate with your current systems like lease contract management system further empowering your teams
3. **Desktop off-line version** minimizing any impact to or from internet connectivity
4. **Powerful BSI videos storage enabling quick streaming and timestamps** : quick access anytime anywhere to the most critical parts of your BSI videos.
5. Proven **superior performance and system stability to upload, download and search records** thanks to advanced OCR capability

- **GE partnership culture :**

1. **Ideas portal** to submit and vote for enhancements, dedicated **customer success manager, 24/7 support** around the globe
2. Leveraging 20+ years of AirVault's **expertise** in digital records management with airlines and lessors: **American Airlines, SouthWest, China Airlines, FlyDubai, Air Canada, SunCountry, Finnair**, Alaska, United, ...Aercap, Carlyle, Falko, CCB Leasing, Avation, ST Aero, DAE, Aero Capital Solutions, VMO Air...
3. Optimized SaaS **licensing commercial model with unlimited number of users**





oases

# CUSTOMER EVENT

OASES SMS – powered by OMNISMS

# Safety Management Systems

**SMS have been advised by CAA and equivalents for a number of years**

**FAA is now mandating the use of SMS across all areas of aftermarket**

**Market demand and potential mandate?**

**Partnering with OMNISMS to deliver OASESSMS**



# OmniSMS – Summary - key features

**Omni Air Group      Founded in 1997 – A leader in North America**

## ***OmniSMS Includes:***

- Web based, mobile friendly application
- Flight & ground operational risk assessments
- Quality Assurance Program w/audit checklists
- SMS Manual with Part 5 / SMSVP processes
- Emergency Response Plan template
- SMS eLearning courses for employees and managers... and more!

## ***OmniSMS Supports:***

- Barrier-based event risk classification
- Multi-dimensional risk assessments
- Bowtie analysis
- IOSA and ISSA global audit programs
- MEDA/REDA error decision aids
- LOSA observations using TEM Model
- AS9100 aerospace quality standards



***Configurable***

***Scalable***

***Powerful***

***Affordable***

# OmniSMS – Safety Management System

Expand All Collapse All Add term

Functional Areas / Processes ⓘ

Hide in system

☰ + Organization / Management ⓘ	☐
☰ -----	☐
☰ + Flight Operations ⓘ	☐
☰ + Cabin Operations ⓘ	☐
☰ + Operational Control ⓘ	☐
☰ + Maintenance / Engineering ⓘ	☐
☰ -----	☐
☰ - Line Service / Ramp Ops ⓘ	☐
☰ - LSR Management and Control	☐
☰ Authorities / Responsibilities	☐
☰ LSR Operations manuals	☐
☰ Personnel requirements	☐
☰ Equipment requirements	☐
☰ - LSR Training and Competency	☐
☰ Training Program	☐
☰ Program Elements	☐
☰ - LSR Ops Processes	☐
☰ A/C Arrival	☐
☰ Downloading	☐
☰ Lav / Water Service	☐
☰ Catering	☐

Expand All Collapse All Add term

Factors / Errors ⓘ

Threat Hide in system

☰ + Flight Ops Factors	☐	☐
☰ + Flight Ops Errors	☐	☐
☰ -----	☐	☐
☰ + Mand / Ramp Factors	☐	☐
☰ + Maintenance Errors	☐	☐
☰ - Ramp Errors	☐	☐
☰ + Aircraft operation	☐	☐
☰ - De-icing	☐	☐
☰ De-iced w/ wrong fluid type	☐	☐
☰ Incorrect fluid temperature	☐	☐
☰ Wrong de-ice diluter ratio	☐	☐
☰ De-ice misapplication	☐	☐
☰ Other de-icing error	☐	☐
☰ + Equipment / tools	☐	☐
☰ + Fueling	☐	☐
☰ + Loading / unloading	☐	☐
☰ + Parking / marshalling	☐	☐
☰ + Push / tow	☐	☐
☰ - Servicing	☐	☐
☰ Serviced w/ not enough fluid	☐	☐
☰ Serviced w/ too much fluid	☐	☐
☰ Serviced w/ wrong fluid type	☐	☐
☰ Servicing not performed	☐	☐

# OmniSMS – Safety Management System

## TOP EVENT: AIRPLANE / EQUIPMENT DAMAGE

Step 1: Assess the severity of the top event if the risk were to be realized  
Step 2: Assess the likelihood of the top event being realized  
Step 3: Assess the frequency of exposure to the hazard

### Severity

	People	Assets	Reputation	Environment
Catastrophic	Fatalities and/or hospital greater than 3 days	Greater than 500k	Loss of operating authority, public confidence	Severe impact
Hazardous	Serious injuries, hospitalization	25K to 500k	Damage to CAA relationship, loss of contract(s), revenues	Significant impact
Major	Minor injuries, restricted work, medical treatment	Less than 25K	CAA Letter of Investigation, minor public concern	Slight impact
Minor	First aid only	Minimal damage	Minimal, temporary public concerns	Negligible

### Severity level description

Total system failure

Large reduction in safety margins or functional capabilities

Significant reduction in safety margins or functional capabilities

Slight reduction in safety margins or functional capabilities

### Likelihood

Extremely Remote	Remote	Unlikely	Likely
Never heard of in the Industry	Has happened in the Industry, but not in the organization	Has happened in the organization	Has happened more than once per year in the organization
50	102	502	2500
10	21	101	500
3	5	20	100
1	2	4	6

### Exposure

Rare Infrequent Frequent Continuous

Reset

Close

Set risk assessment

# Summary

**Fast-track SMS Compliance**  
*With the OmniSMS Solution.*



At Omni, we know SMS...  
Not just how to comply, but  
how to make your SMS drive  
continuous improvement. Our  
staff has more than 100 years  
of combined experience as  
owners, operators, and key  
managers of various aviation  
enterprises.

**Totally Customizable.**  
Create custom report forms  
and groups. Display MORs  
with definitions to reporters.  
Hide or add terms from the  
ICAO / CAST taxonomy library.  
Align with IOSA audit standards.

**What Sets Us Apart?**

- Configurability
- Affordability
- Scalability
- ...and our  
Discerning  
Clients.



**OmniSMS<sup>®</sup>**  
Aviation Management System

Authorized Partner for Europe, Middle East & Africa:



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Colchester, Essex, CO4 3ZQ England

Phone : +44 (0) 1621 817425

Website : [www.oases.aero](http://www.oases.aero)

Learn more at [www.OmniSMS.aero](http://www.OmniSMS.aero)

**Safety & Quality  
Management**

for the  
Airline Industry

A Fully  
Compliant  
SMS Solution



- Subscription Based
- Customisable
- Full Training
- ICAO taxonomy
- Available in Q4 2022





**CUSTOMER EVENT**

PRAGUE 2022

PARTNER PRESENTATIONS

nVable



oases Techlog



# OASES Techlog -Agenda

Delivering Digital MRO

# What we're going through...

- Benefits
- Process Overview
- System Overview
- Features Summary
- Next steps



# Benefits of OASES Techlog

Delivering Digital MRO

## Benefits

**YOU HAVE ACCESS TO  
NEAR REAL-TIME DATA  
FOR YOUR ENTIRE FLEET**

# Benefits – In the field

- Complete, validated data
  - No more illegible data or missing techlog pages
  - Eliminates simple calculation errors
- Visibility of actions due
  - Integrated MEL Deferrals
  - Automatic highlighting of overdue/near-due tasks, defects and checks
- Up to date aircraft records
  - Without duplicated manual data entry
- Automated notifications, data analysis and reporting
  - Web-based analysis and notification ability

# Benefits – Behind the Scenes

- **Straightforward deployment**
  - Remote deployment - simple “out of the box” preparation of Tablet PC
  - Remote viewing of screen of connected devices
- **Processes you control**
  - Control which users can complete sections of the techlogs
- **Support when you need it**
  - The solution was created to be remotely supported
  - Support is provided with the service without additional cost



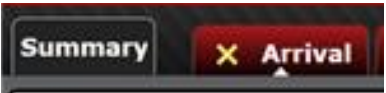
# Process Overview

Delivering Digital MRO

# Process Overview



## On Landing



Complete  
Sector  
Tab on  
landing

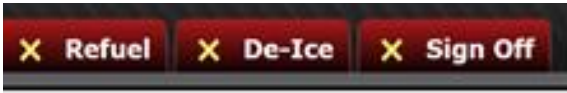


## On Tarmac



Perform  
maintenance  
actions

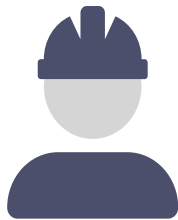
## On Tarmac



Complete Pre-  
Flight Tabs



## Take Off

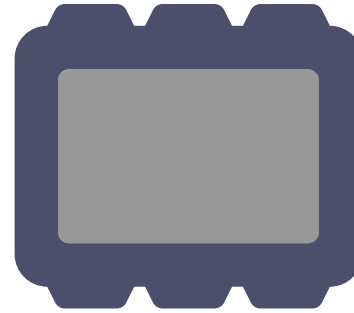


Copy of  
Technical  
log left on  
ground

# System Overview

Delivering Digital MRO

# System Overview



Each aircraft has an assigned  
an OASES Techlog device.

*This stays with the aircraft!*

The OASES Techlog is  
completed according to  
airline procedures



*\*Coming Q1 2023*

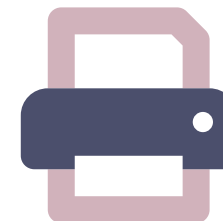
# System Overview

Instead of leaving a paper copy, data is securely transmitted to our online services



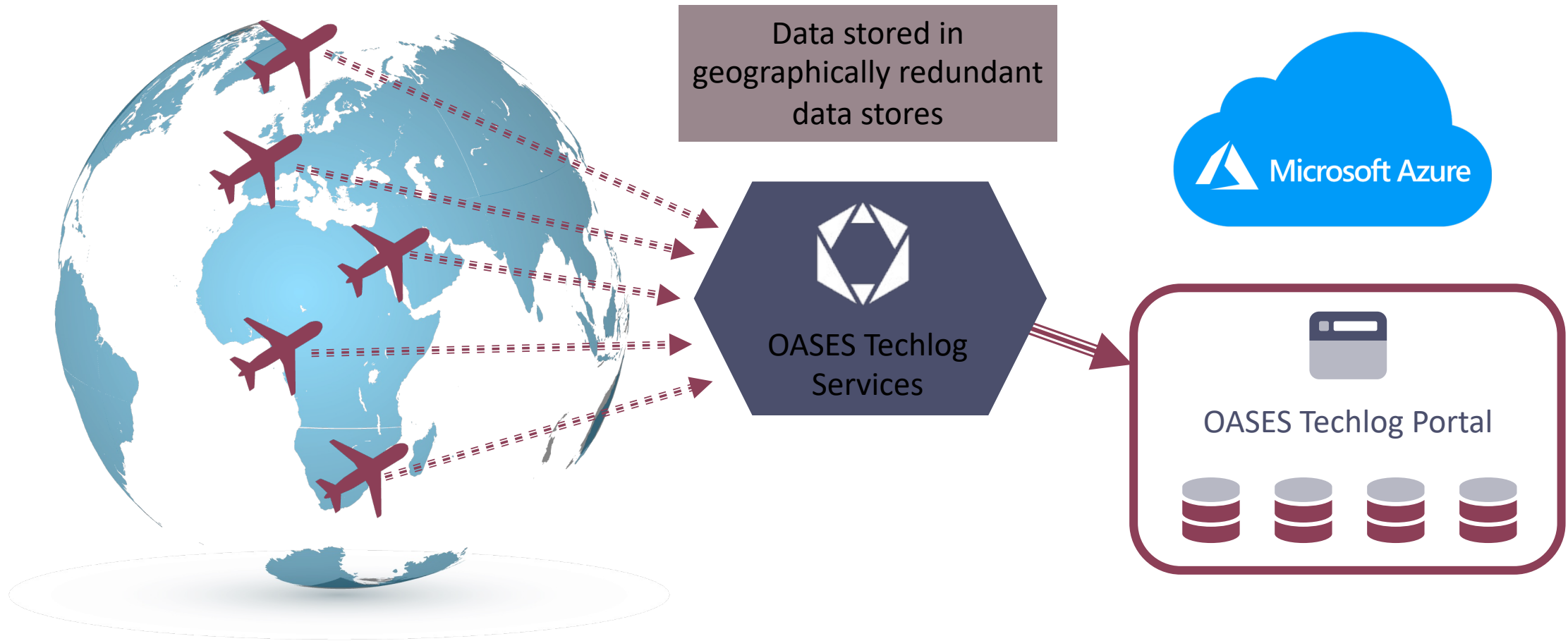
Data is also transmitted DURING the completion of the techlog

If the transmission cannot be completed use an alternative



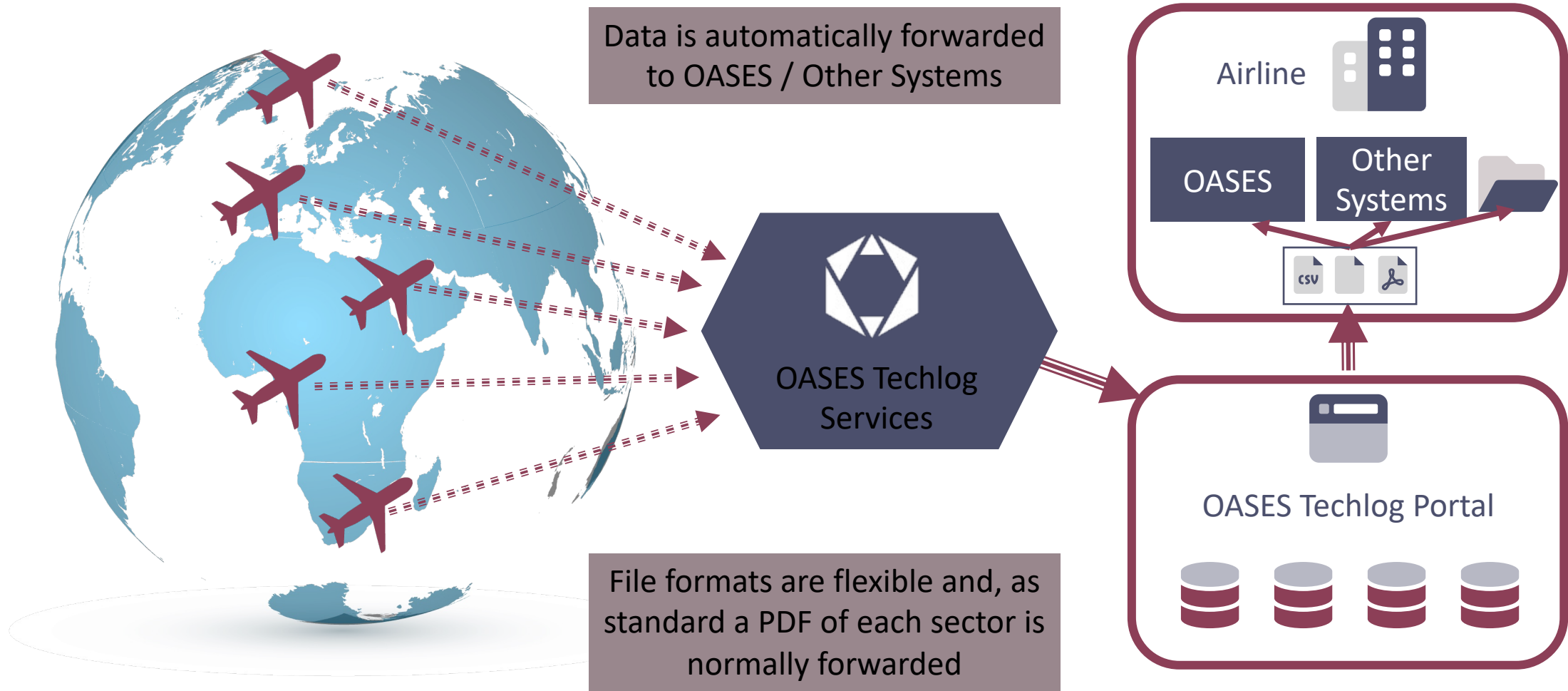
Mobile  
Printer

# System Overview

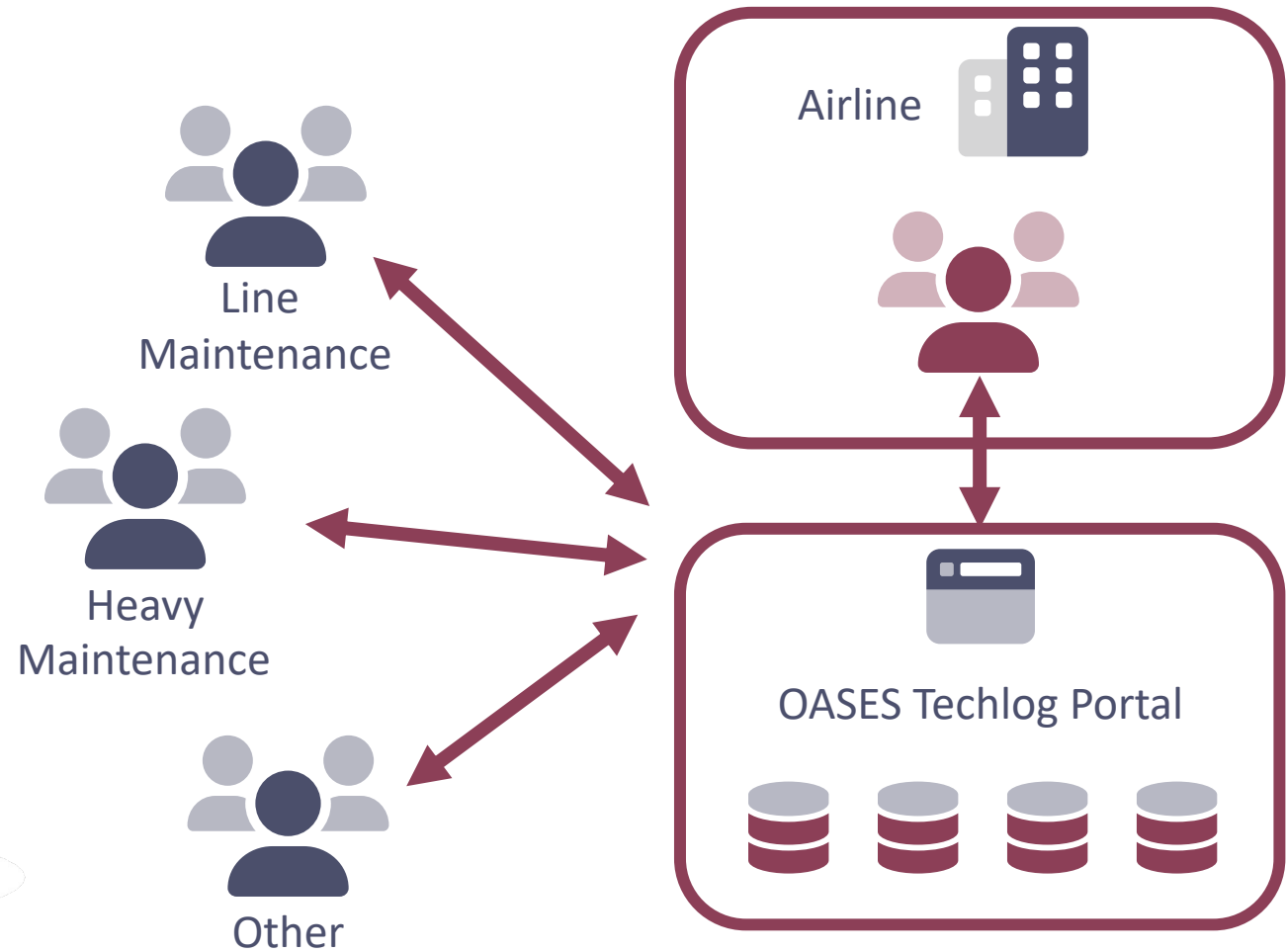




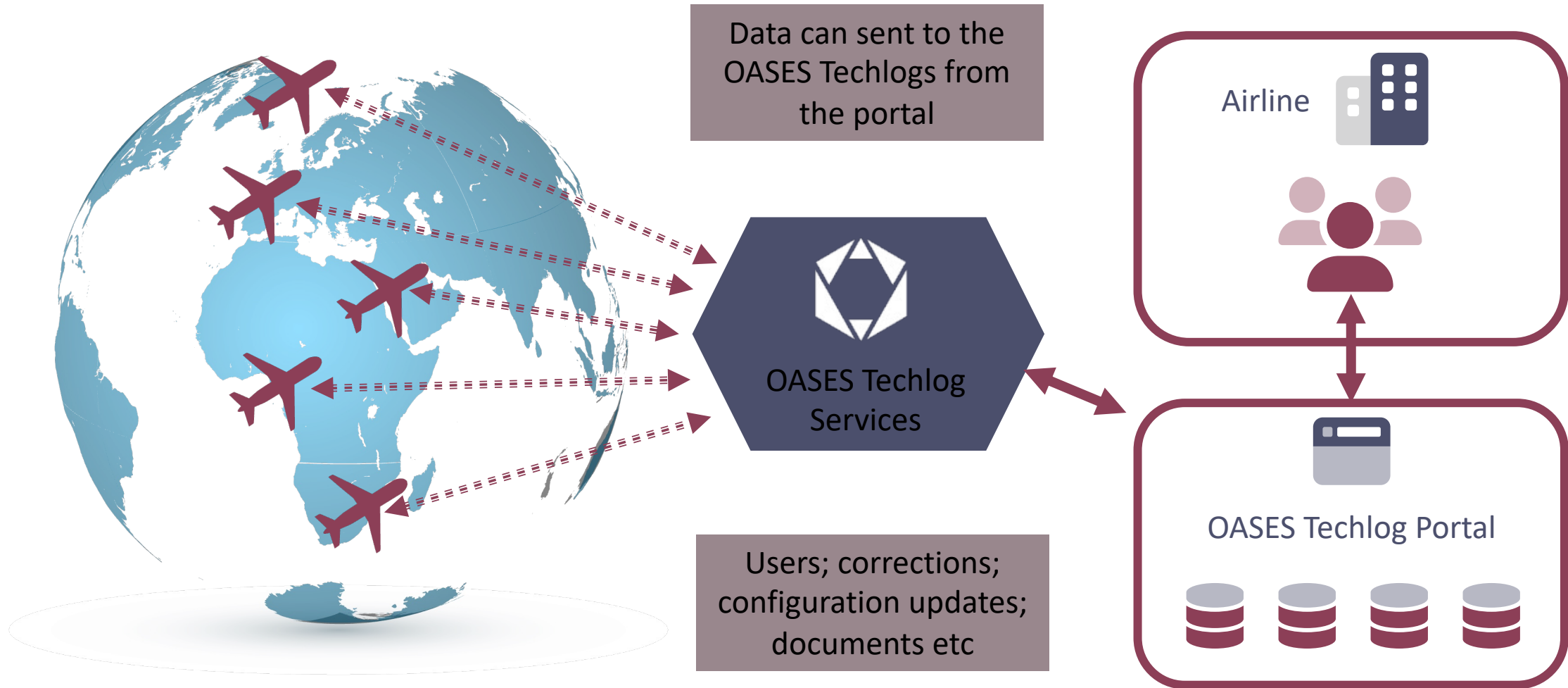
# System Overview



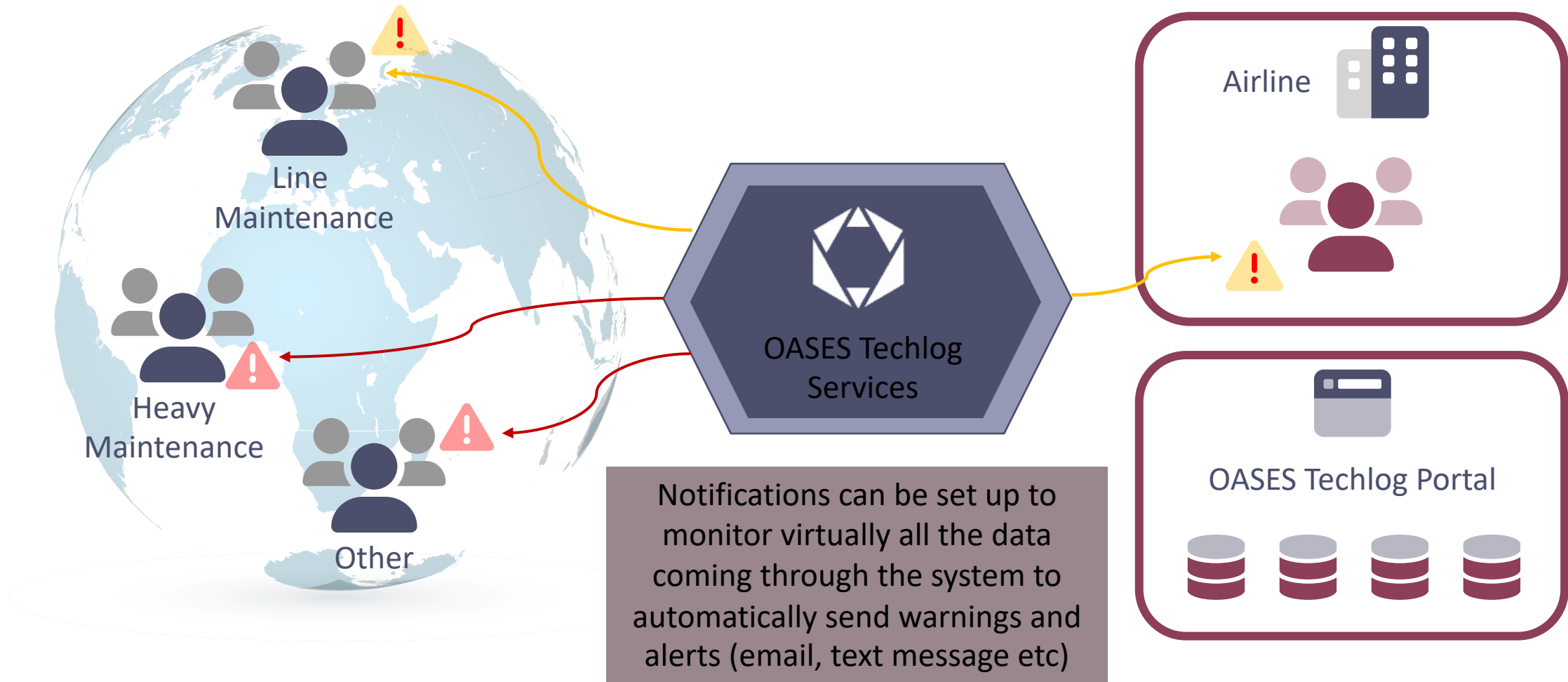
# System Overview



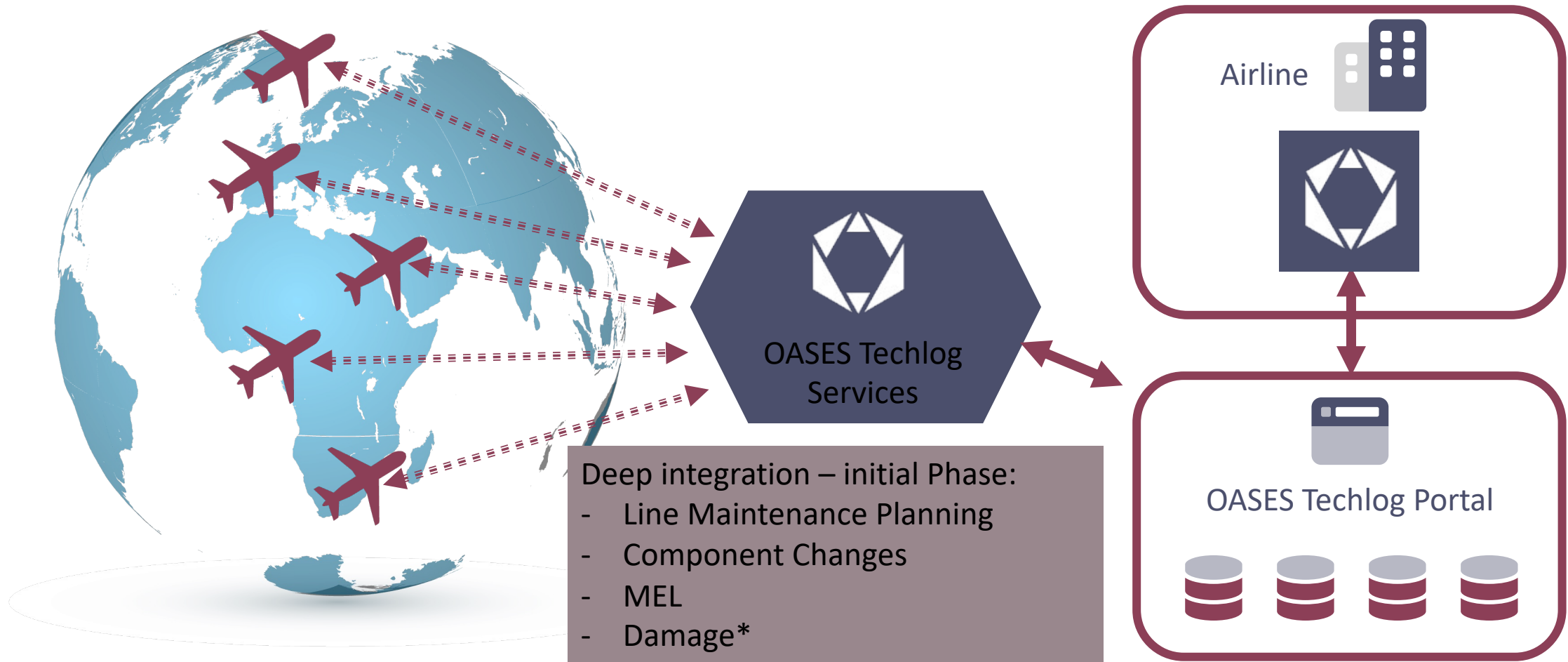
# System Overview



# System Overview



# System Overview



# Features Summary

- Onboard solutions
  - Does not require aircraft alterations
  - The device does not require constant connection
  - Not tied to an aircraft type
- Data transfers
  - Data transfers as it is entered
  - Interface with flight ops, finance, ERP solutions
  - Reduction in paper and manual processes
- Administration
  - Initiated from the techlog or web system
  - Approval and application according to roles

Connected / A6-ANA / A6-ANA000197 / 505:05 FH / 195 Cycles / Menu / Exit

Summary **Arrival** Defects OOPS Checks Oil HYD.FL Refuel De-Ice Sign Off

### FLIGHT DETAILS

Date: 21/09/2022 Flight Number: G9 125 Type of Flight: Revenue

Departed: LHR Chocks Off: 08:00 SEP 21 Take Off: 08:18 SEP 21

Arrived: PRG Chocks On: 10:14 SEP 21 Landing: 10:02 SEP 21

Block Time: 02:14 Flight Time: 01:44

Flight Events: Auto Land ☐ Go Around 0 Touch & Go 0

### FUEL ON ARRIVAL DISTRIBUTION (Kg/Tank)

Left Outer	Left Inner	Center	Right Inner	Right Outer	Total
300	0	1200	0	300	1800

### FUEL BURN


Engine 1 (Kg)	Engine 2 (kg)	Total
2300	2310	4610

Technical Defects Recorded: ☐ Yes ☒ No  
Cabin Defects Recorded: ☐ Yes ☒ No  
ASR Raised: ☐ Yes ☒ No

ETOPS Used ☐ APU Start In-Flight ☐

### AUTHORISATION

I certify that all information on the current screen is correct and true.

 Captain **D. Captain** captain 03 Oct 2022 10:30

BATTERY 100% POWERED BY CONVERGE





oases

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THANK YOU