

IATA WORLD MAINTENANCE & ENGINEERING SYMPOSIUM

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**IATA WORLD
MAINTENANCE
& ENGINEERING
SYMPOSIUM**

Mitigating supply chain disruptions for airlines

Alex Lan,

Head Aviation Supply Chain, IATA

[#IATAWMES](#)



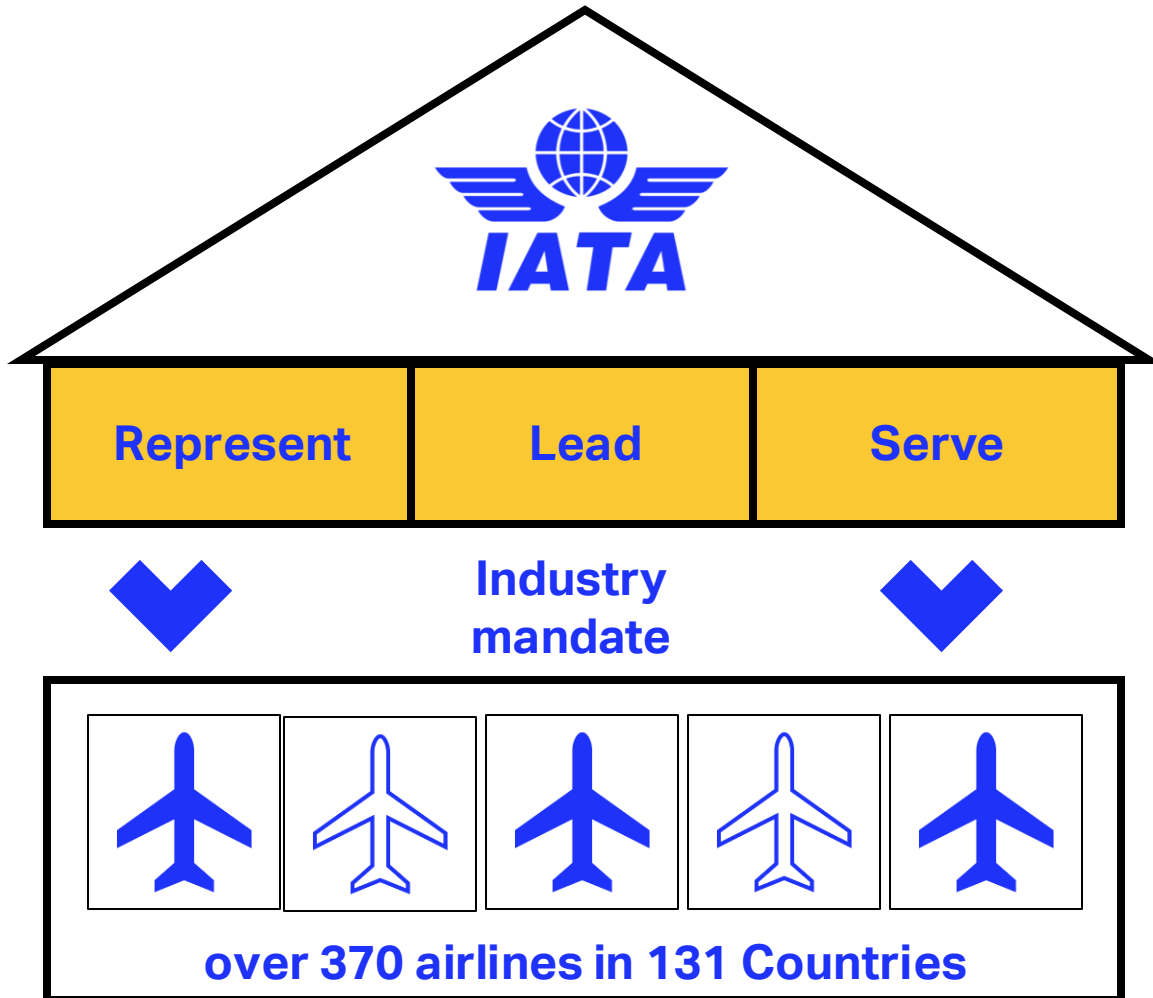
IATA MRO SmartHub Advocacy

Mitigating supply chain disruptions for airlines

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IATA Advocacy mission in supply chain



Working together to shape the future growth of a safe, secure and sustainable **air transport industry** that connects and enriches our world

Supply Chain Advocacy is one of the core missions within IATA's Flight & Technical Operations department, Operations Safety and Security (OSS) division.

Global IATA report on supply chain issues

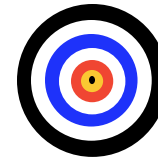
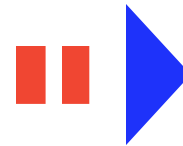
issued in October 2025, still a key reference for Airlines teams



available on www.IATA.org



- Executive Summary
- **Reminder about existing enablers** (*e.g: airlines rights through Product Support frameworks*)
- Call for actions



Airlines teams :

- Materials Management
- Procurement & Contracts
- **Quality Assurance**
- Executive Management

IATA actively pursuing the “call for actions” described in this report

MRO bottlenecks flagged in the report

Long repair Turnaround times continue to disrupt the supply chain



- ❑ Turnaround time (TAT) for components repairs has **increased by 25 – 40%** since 2019
- ❑ **Shop turns of some engine models** can now take up to 300 days, compared to typical averages of 120 days pre-pandemic

Many OEMs appear to have some reluctance to make more repair schemes available under their Product Support for airlines and their designated MROs.

- *This drives greater focus on Used Serviceable Materials (USMs), Part 21/DER repairs and PMAs as regulatory approved cost-effective options.*

a situation causing significant operational disruptions and costs increase

new IATA report on engine MRO supply chain

Released
June 2026



- At some point in 2025, about **650 single aisle aircraft** (latest models) **were grounded**, awaiting engines shop visits
- **Time On Wing** for some of the new engine models do not even reach 5,000 flight cycles
- Need to develop **more repair schemes** to reduce scraps of on-condition parts during shop visits
- Benefits of the **IATA-CFM agreement** - an example to follow, by airframe equipment OEMs as well

Single aisle aircraft engines MRO

Strategic levers to address supply chain challenges



June 2026

available on www.IATA.org



renewed IATA-CFM agreement for MRO practices

greater attention to its terms could contribute to better parts availability and MRO capacity

Examples of some key provisions, apply to all CFM engines (e.g. including LEAP):

- Recognizes not only Airlines and Lessors, but also MRO competitors as "beneficiaries" of those measures.
- **Honours warranty** also on engines on which customers may have chosen to install regulatory approved **non-OEM parts** and/or applied **non-OEM repairs**.
- **Waives fees** (*both upfront fees and royalty*) to third parties overhaul shops for the **use of the engine shop manual (ESM)**, and not requiring any other form of financial compensation.
- When customers choose during engine shop visits, CFM **accepts to re-install** customers' supplied non-OEM parts and/or non-OEM repaired parts if they are serviceable.



> full details and terms available on [www.IATA.org: cfm-conduct-policies-and-implementation-measures.pdf](http://www.IATA.org/cfm-conduct-policies-and-implementation-measures.pdf)

other OEMs (including in Airframe equipment) encouraged to adopt same steps

Supply Chain is therefore a top IATA priority

Vision: a Resilient, Efficient, and Transparent Aviation Supply Chain

Strategy supported by IATA Board of Directors

What are your key challenges?



Top 3 answers:

Supplier control

Single source

Part availability

* Each participant was allowed up to 3 entries of choice

41 Source: Participant poll

19 April 2024



Airlines feedback from previous IATA supply chain workshops

Advocacy Pillars :

- ❑ **Open up Aftermarket Services:** promote independent MROs, and alternatives to equipment OEMs networks.
- ❑ **Expand Materials Capacity:** promote **Part 21 & DER** repairs, **USM** materials & **PMA**s, reduce lead times & improve repair **TAT**.
- ❑ **Enhance Transparency & Forecasting :** develop collaborative platforms, provide better visibility on materials.
- ❑ **Accreditation & Standards:** promote suppliers accreditation, and support Blockchain for parts traceability.

how to deliver Advocacy into airlines operations ?

> need for an open Platform



IATA already had a platform:

originally mainly focused on aircraft teardowns projects



The screenshot displays the IATA MRO SmartHub platform interface. At the top, there's a navigation bar with tabs: Connector, Evaluator, Auctioneer, Procurement Cockpit - beta, and Asset Manager. Below this, there are several promotional banners for events like 'SAVE THE DATE' auction, 'IATA WORLD MAINTENANCE & ENGINEERING SYMPOSIUM', and 'B2L' discount. The main content area is divided into three columns: Connector, Evaluator, and Asset Manager. Each column shows statistics and user activity. Below these columns, there are sections for 'Recent activities' and 'Available projects' with specific project listings and their roles (Evaluator, Auction participant, Connector).

Module	Statistics / Activity
Connector	Total listings: 217645 Inventory updates today: 0 Your last upload: -
Evaluator	High FMV quality parts: 242900 Last FMV calculation: 2026-04-30 Your last contribution: -
Asset Manager	Current projects: 131 Upcoming projects: 240 Your participations: 0

Project ID	Role
3880938-1	Evaluator
980-6032-023	Evaluator
980-6032-023	Connector
C20672300	Evaluator

Project Name	Role
Mixed Engine Parts	Auction participant
Mixed Components and Rot...	Auction participant

Launched in 2019

Transformed in 2026

Now serving Advocacy

NEW

now includes a new open program dedicated to airlines

vehicle to deliver the advocacy plan for airlines materials teams



NEW



MRO SmartHub

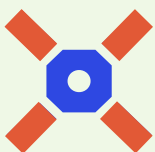
free access program for IATA, ALTA and IATP airline members

on core features within the following modules:



1. Evaluator

Information analysis on parts, KPIs, dashboards and guidance information



2. Connector

Visibility on materials listed by suppliers in the platform



3. Auctioneer (*sourcing*)

A tool to broadcast materials needs to support operations



4. Asset Manager

Materials from teardown projects. Enable joint bid purchasing on aircraft assets

(e.g: MROs, Lessors and Assets owners)

- KPIs on **top spend Part Numbers and shortages**
- highlights **PMAs alternatives** from the FAA database
- Individual **analysis** on materials spend optimization
- serviceable materials **from connected suppliers**
- **accredited suppliers through ASA-100**
- **to reduce maintenance costs**
- **to also promote IATP's materials pooling :**



more developments also in the roadmap (e.g: engines listings, IATA guidance documents..)



making it easier for suppliers to support

**MRO SmartHub**

recent platform revamp now facilitates materials listings in the "Connector" module

**NEW**

GA Telesis started to list more than 170,000 parts, significant stocks of USMs

**Revima****NEW**

Revima trading just joined and will start listing **Landing Gears** and **APUs**

**NEW**

Ongoing development to adapt the platform for **engines** as well



Inviting all ASA-100 accredited suppliers to list inventories and increase visibility for airlines





How can airlines materials teams onboard this new advocacy program ?

- Airlines materials Management can mailto: SmartHub-Airlines@iata.org
 - free Order Form based on anonymized data participation
 - onboarding includes remote training sessions
 - Individual airline benchmark report issued after onboarding
- New platform developments to be steered by an airline advisory Working Group at IATA



Advocating for a Resilient, Efficient, and Transparent Aviation Supply Chain



**IATA WORLD
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IATA MRO SmartHub – Overview, Airline Features, USM Availability

Sebastian Vock,

Director of Solutions Engineering, Opremic

[#IATAWMES](#)

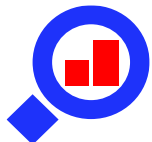




MRO SmartHub

IATA MRO SmartHub – Overview, Airline Features, USM Availability





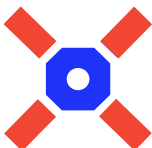
Evaluator

Provides **Fair Market Value** and **detailed statistics for spare parts**.



Auctioneer

Sell excess inventory efficiently with tailored reserve prices, evaluation support, and targeted email marketing.



Connector

Eases trading with **preferred partners** through a distinctive trading channel. Now with optional pricing.



Asset Manager

Manage **aircraft procurement for dismantling** from start to finish. Simplify collection of joint bids on assets.

Maximize inventory value and reduce costs with MRO SmartHub's actionable insights and tools

IATA MRO SmartHub is a **web-based business intelligence platform** enabling:

- Quick and accurate evaluation of material
- Transparent fair market value
- Company Benchmark feature
- Buy, Sell, Exchange, Consignment, Auction
- True availability of surplus material
- Joint-bid asset purchasing
- Effortless integration and enhancement into any ERP system and other MRO tools

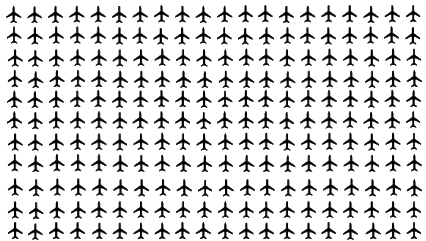
Key facts and insights



750+
companies
registered



1.7m+
parts included in
material catalog



50+
Aircraft types
supported

As of June 2026



Launched in September 2019



1,600+ registered users



150+ material auctions hosted



35+ Evaluator data contributors



Connector

Unlock Next-Level Trading



Targeted Distribution

Offer material to selected partners through dedicated trading channels.



Flexible Pricing Control

Set and manage prices with flexible, rule-based controls, per partner and per listing.



Seamless ERP Integration

Connect directly to your existing systems - zero disruption.



Built-in Evaluator

Instant part valuations for smarter, faster trading decisions.

What's new on Connector



Pricing is no longer mandatory

List parts in minutes — price optional.



Enhanced marketplace view

Fast, responsive even with very large inventories.



Discover alternates and PMAs

Auto-surface compatible PMA and alternate parts by material.



Secure communication and quotation

Pricing, documents and messages in a secure, part-specific channel.

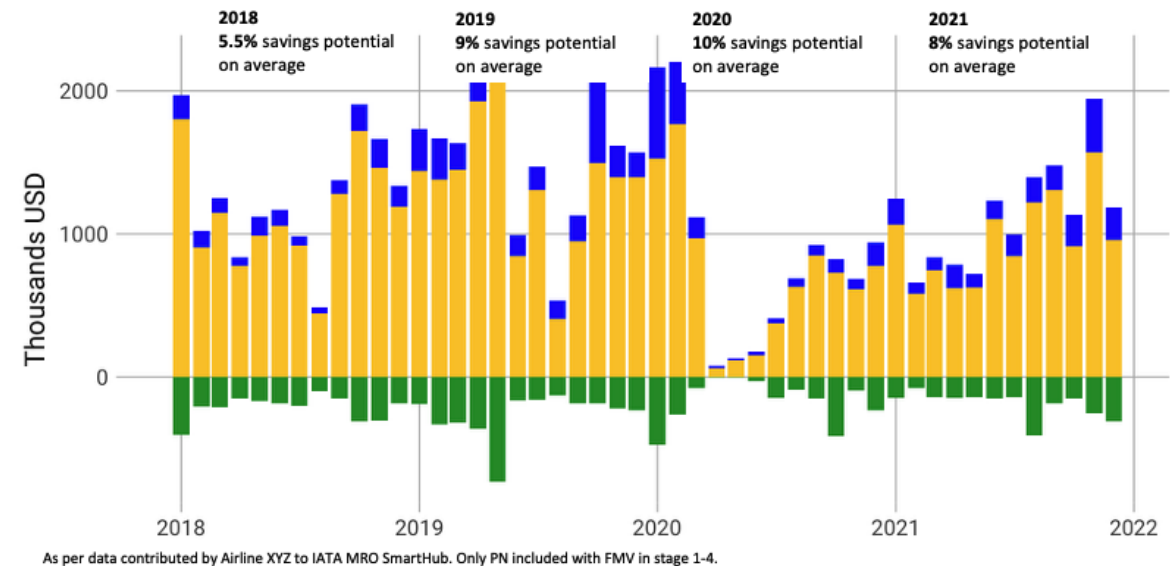
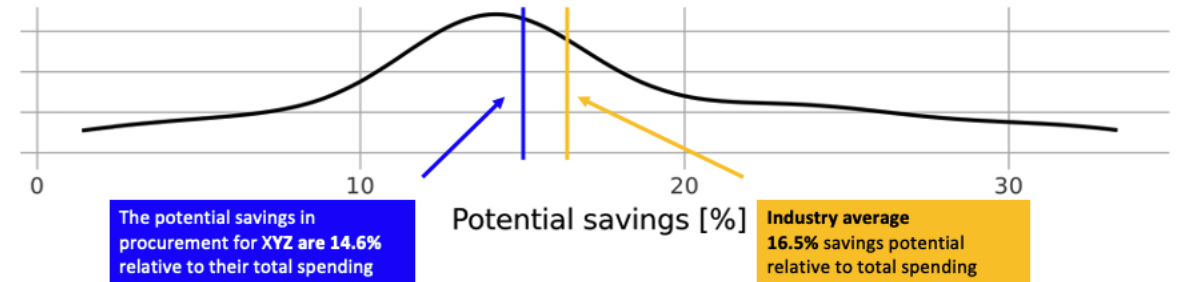
Evaluator – Support your Airline's Operations

A neutral, fully anonymized view of your savings against the wider community - built from real trading data, not estimates.

What we benchmark

- Procurement savings - potential and achieved
- Repair-management savings
- Use of alternates and modifications
- Excess-material sales and procurement-strategy shifts (on request)

➔ See what you have already captured, and how much is still on the table.





Evaluator – Material Supply Chain KPIs at a glance

Top Spend

#	Material	Description	MFR
1	COM-00-01261 ✓	Component part 01261	VCVXU
2	COM-00-02209 ✓	Component part 02209	7ACCL
3	COM-00-01511 ✓	Component part 01511	D99SB
4	COM-00-02041 ✓	Component part 02041	YR4VJ
5	COM-00-00631 ✓	Component part 00631	OR3XW
6	COM-00-01673 ✓	Component part 01673	IGRRW
7	COM-00-02325	Component part 02325	ODU8F
8	COM-00-00751 ✓	Component part 00751	KSOLF
9	COM-00-01172 ✓	Component part 01172	0123P
10	COM-00-00607	Component part 00607	TDIG1
11	COM-00-00435 ✓	Component part 00435	CV8KI
12	COM-00-01826 ✓	Component part 01826	93UAV
13	COM-00-02093 ✓	Component part 02093	LBMO9
14	COM-00-00732	Component part 00732	FAZ5G
15	COM-00-00295 ✓	Component part 00295	7S4QR
16	COM-00-00380 ✓	Component part 00380	N5YMU
17	COM-00-01339 ✓	Component part 01339	NMC3K
18	COM-00-02503 ✓	Component part 02503	PRRGN
19	COM-00-00713 ✓	Component part 00713	XP3WJ
20	COM-00-00897	Component part 00897	E5AAD

Surplus Change ①

#	Material	Description	MFR	Surplus change
1	COM-00-00447 ✓	Component part 00447	RP149	59%
2	COM-00-02224 ✓	Component part 02224	P7YA0	50%
3	COM-00-00934 ✓	Component part 00934	CN56S	47%
4	COM-00-00277 ✓	Component part 00277	I6SRH	47%
5	COM-00-00825 ✓	Component part 00825	FS2FF	45%
6	COM-00-00441 ✓	Component part 00441	KV82V	42%
7	COM-00-02232 ✓	Component part 02232	SSSGT	42%
8	COM-00-01598 ✓	Component part 01598	FQLUV	38%
9	COM-00-00258 ✓	Component part 00258	MISGV	36%
10	COM-00-02015 ✓	Component part 02015	CGIK4	33%
11	COM-00-00962 ✓	Component part 00962	MNWNT	32%
12	COM-00-01312 ✓	Component part 01312	EMKII	30%
13	COM-00-01951 ✓	Component part 01951	MLKRY	29%
14	COM-00-00019 ✓	Component part 00019	WV71R	29%
15	COM-00-01826 ✓	Component part 01826	93UAV	29%
16	COM-00-02360 ✓	Component part 02360	FSQIV	29%
17	COM-00-02512 ✓	Component part 02512	K3G1B	29%
18	COM-00-01369 ✓	Component part 01369	PW8IT	28%
19	COM-00-02485 ✓	Component part 02485	MJSD5	28%
20	COM-00-01136 ✓	Component part 01136	11ONL	27%

Built on Real Data Points

Calculated from more than 100,000 actual data points across the community.

Top Spend Part Numbers

The parts driving the most spend on each aircraft type, ranked by real monthly trading value.

Supply Shortages in NEW

How sourcing is shifting from new to surplus, year over year.

Supporting Airline Fleet Managers

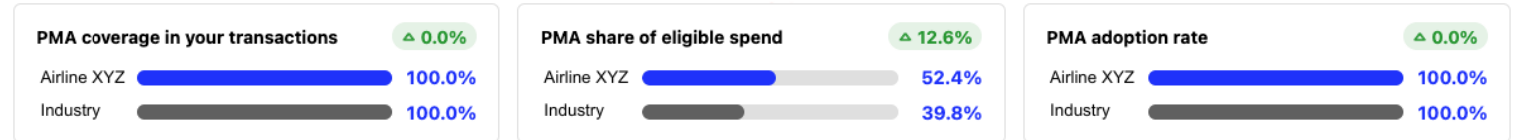
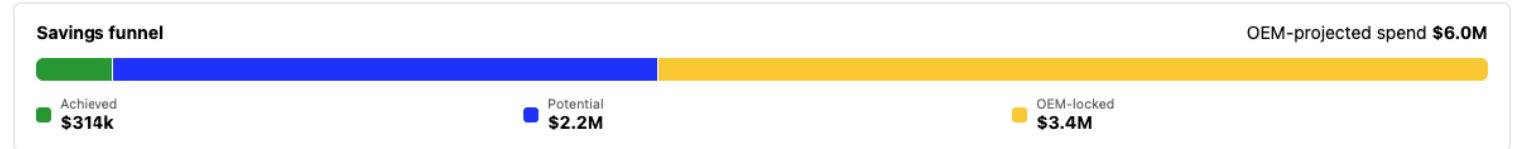
Filter by aircraft type, material domain and month – the same data feeding IATA's supply chain advocacy and Working Groups.



Evaluator – Quantifying your PMA Savings

PMA Savings at a Glance

Your airline's PMA coverage, share of eligible spend and adoption rate, benchmarked against the industry.



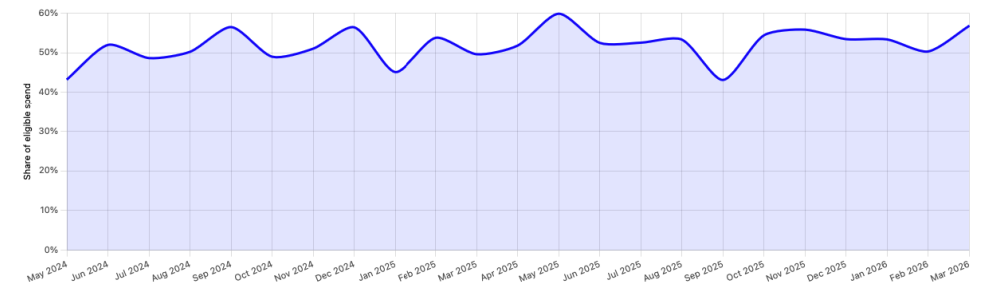
Rank	OEM PN	Description	PMA PN	Avg. OEM Price	# events	PMA FMV	Potential savings	%
1	ENG0001660	Engine part 01660	COM0000908	\$2.217	2	\$481	\$1.736	78%
2	ENG0000260	Engine part 00260	COM0001475	\$2.172	2	\$582	\$1.590	73%
3	COM0002905	Component part 02905	COM0000299	\$2.159	2	\$571	\$1.588	74%
4	COM0002008	Component part 02008	ENG0000768	\$2.211	2	\$650	\$1.561	71%
5	COM0000231	Component part 00231	COM0002453	\$2.245	2	\$687	\$1.558	69%
6	ENG0000274	Engine part 00274	COM0000511	\$2.143	2	\$586	\$1.557	73%
7	COM0002305	Component part 02305	COM0000360	\$2.271	2	\$718	\$1.553	68%
8	ENG0001739	Engine part 01739	COM0001722	\$2.131	2	\$578	\$1.553	73%
9	ENG0001538	Engine part 01538	COM0002788	\$2.291	2	\$746	\$1.545	67%
10	ARC0000144	Airframe part 00144	COM0002659	\$2.161	2	\$616	\$1.545	71%

Quantify Potential Savings on Part Level

Receive strategic insights on material level to improve your airline's procurement behavior and strategy.

Discover your Airline's PMA Adoption

Quantify your airline's recent change in PMA adoption based on market data.

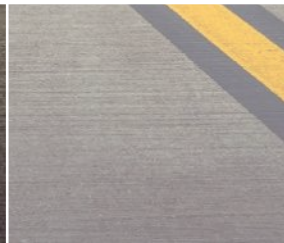
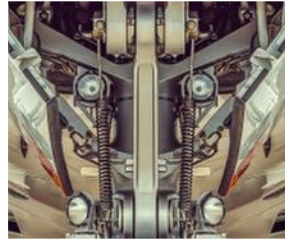


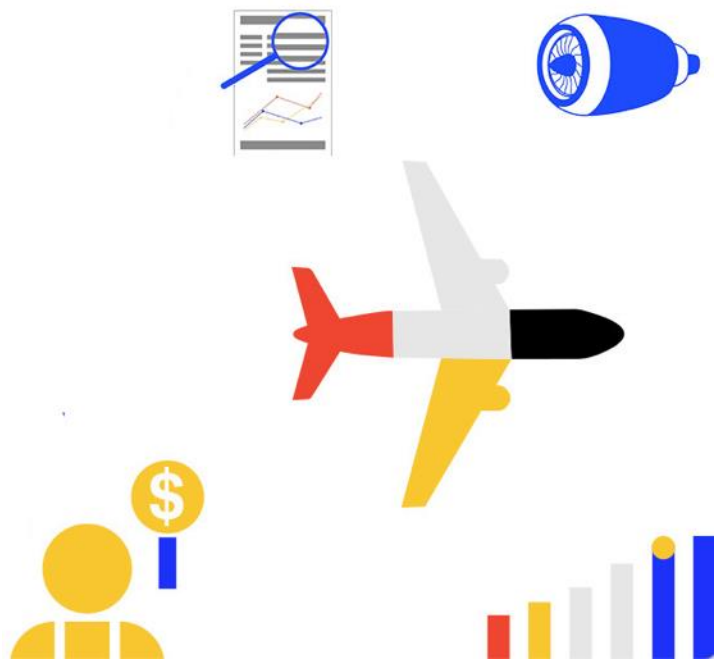
Asset Manager



is a **neutral community marketplace** for whole-asset teardowns.

Project Owners – leasing companies and independent MROs – list assets and collect joint bids; **airlines participate to secure the USM** that fits their fleet.





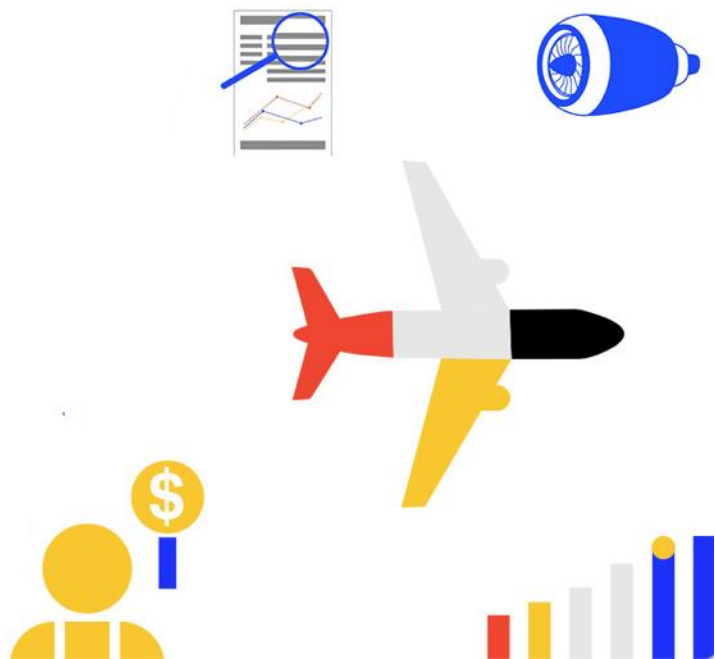
How can you
profit from
using Asset
Manager?

PARTICIPANTS

Airlines

Secure the cost-efficient USM that best fits your fleet – material you might otherwise never see.

- + More visibility of available USM
- + Direct access and greater procurement power
- + Simple, intuitive bidding process
- + Automated updates and full documentation at every step



How can you
profit from
using Asset
Manager?

PROJECT OWNERS Leasing Companies & Independent MROs

List whole assets and collect
joint bids on teardown packages
– for the best possible outcome
on the entire asset.

- + Manage multiple teardown projects in one place
- + Market-based valuation of every package
- + Transparent, compliant bidding process
- + Reach a wider pool of qualified airline bidders



Connector – Supplier Initiative

Reach a global aviation community on the neutral, IATA-backed marketplace.

Why join?



Free module access as a seller – for a limited time

List inventory and reach the global aviation community



Simple inventory management

Upload availability via CSV in minutes



1,600+ industry buyers

Your supplier profile and listings become visible across the entire platform community



Targeted distribution

Trade through Connector with preferred partners

Only a few steps away



Set up your supplier profile

Add your logo, description & terms of sale



Upload your inventory

Bulk-import sales listings via CSV — pricing optional



Activate notifications

Assign contacts to receive real-time order alerts

Typical Onboarding Journey for a New Airline

Live in around two weeks

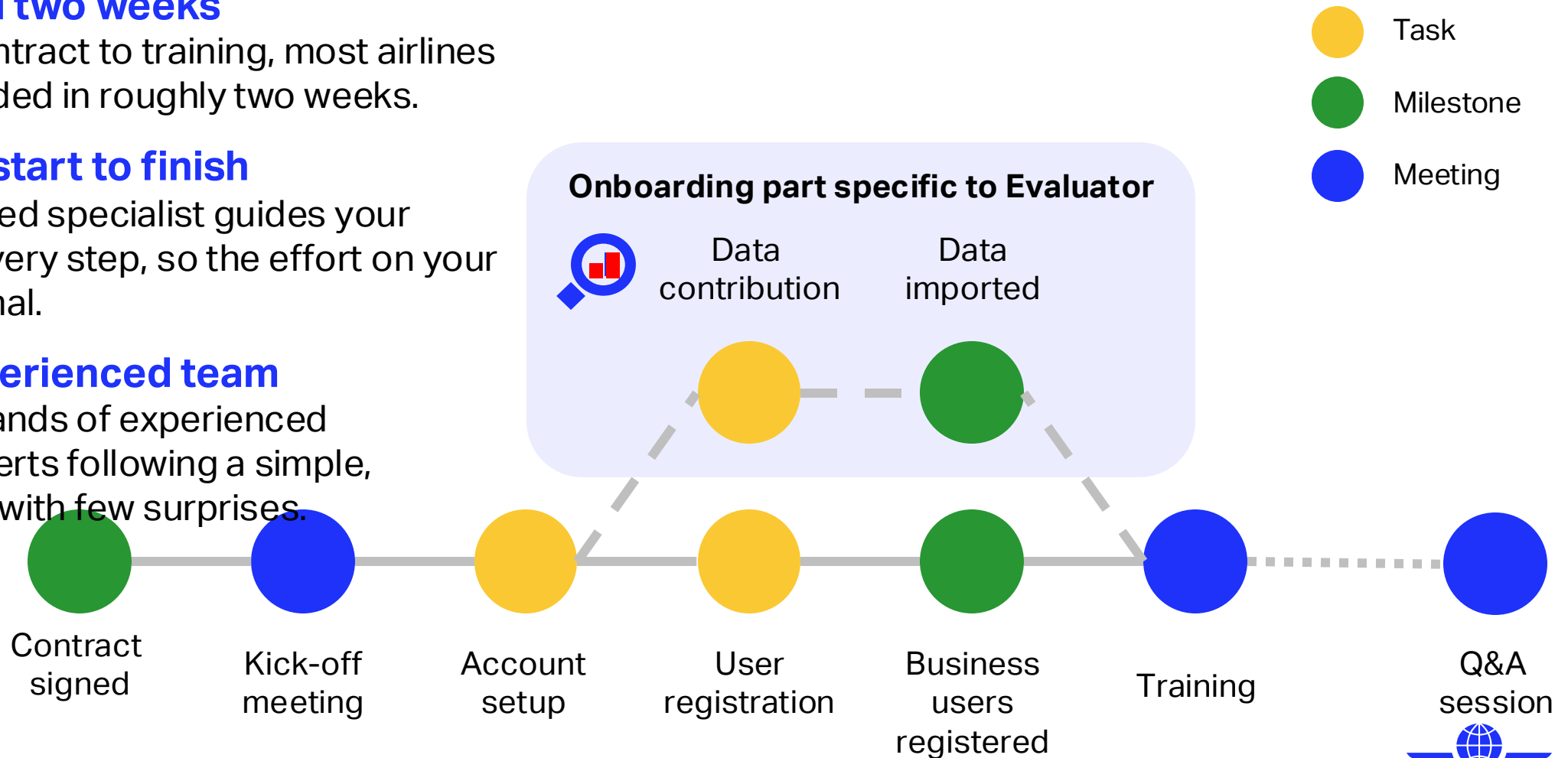
From signed contract to training, most airlines are fully onboarded in roughly two weeks.

One contact, start to finish

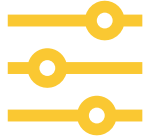
A single dedicated specialist guides your team through every step, so the effort on your side stays minimal.

A proven, experienced team

You are in the hands of experienced onboarding experts following a simple, structured path with few surprises.



Training Concept



Admin Training

Dedicated session for company administrator



Online Tutorials

Tutorials available on documentation hub



Module Training

Dedicated training sessions for each module



Q&A Session

Interactive Q&A after 3-4 weeks of usage



Outlook: 2026 and Beyond

Continuing the supplier initiative rollout with new platform capabilities and strategic partnerships.



Development Outlook

- **Engine, APU & LDG**
Capability to lease, sell and exchange high value rotables
- **Procurement Cockpit**
A central sourcing and order-tracking dashboard, currently in beta testing.
- **Deeper Analytics**
Continued investment in richer usage analytics and reporting across the platform



New Suppliers Onboarded

- **GA Telesis**
Global leader in integrated aviation services
- **Revima**
Specialist in APU and landing gear MRO
- **Growing network**
Active outreach to expand the supplier base



Industry Cooperations

- **ASA partnership**
Supplier audits feed an approved quality icon next to qualified companies
- **IATP exploration**
Evaluating further industry cooperation opportunities

