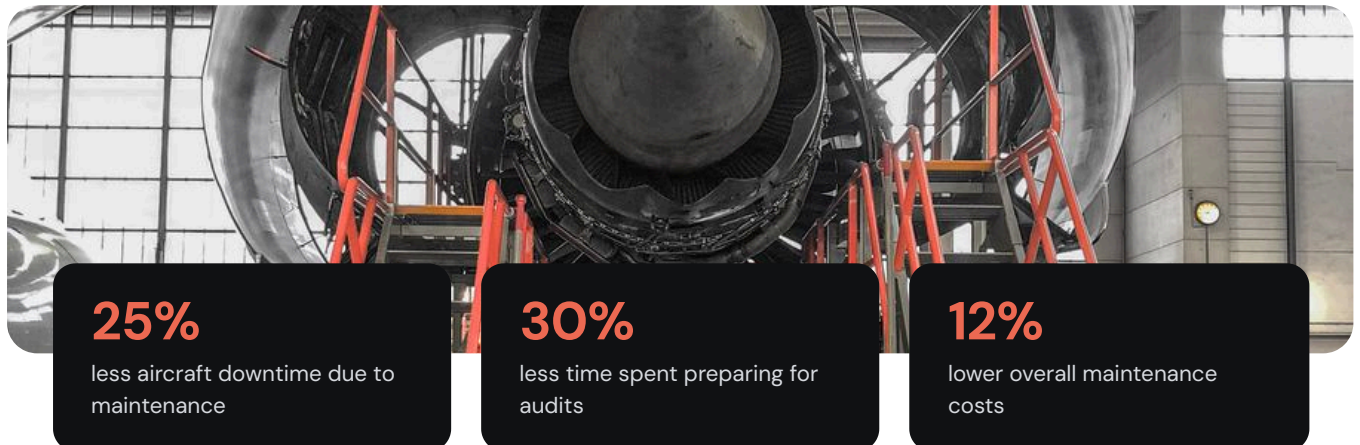


Aviation

USA

A US airline cut maintenance downtime by 25% and audit preparation time by 30%

A large US aviation operator replaced manual maintenance tracking with planned maintenance, parts control and inspection records in one system, cutting downtime, stock shortages and maintenance costs.



AT A GLANCE

INDUSTRY

Aviation

REGION

USA

SIZE

Large, with a diverse aircraft fleet

PREVIOUSLY

Manual tracking, disconnected systems

FEATURES USED

Maintenance

Stores

Insight

01 The client

The client is a large aviation operator in the United States, running a diverse fleet of aircraft.

Every aircraft has scheduled maintenance, parts that must be on hand when it is due, and regulatory standards to meet. Safety and operational performance depend on all three being on time and on record.

02 The challenge

Maintenance was tracked by hand across disconnected systems. That made scheduling hard, kept aircraft out of service longer than needed and raised compliance concerns.

- Maintenance schedules were tracked manually, so work was planned late.
- Aircraft spent longer than necessary out of service for maintenance.
- Missing parts held up maintenance work.
- Preparing for audits meant gathering records from several systems.
- Reports for decision-making were slow to assemble and hard to trust.

03 What they set up in Asset Infinity

The operator brought maintenance scheduling, parts tracking, compliance records and reporting into Asset Infinity, built on the aircraft's own maintenance history.

Maintenance

Planned maintenance for each aircraft

Preventive plans by date, flight hours or cycles schedule work ahead, so maintenance is planned around the aircraft's availability.

Maintenance

Compliance checks on record

Inspections use checklists with required fields, readings and signatures, so the evidence an auditor asks for is recorded as the work is done.

Stores

Parts ready before the job

Spare parts are tracked across storerooms with reorder points and reorder advice, and issued against the work order that used them.

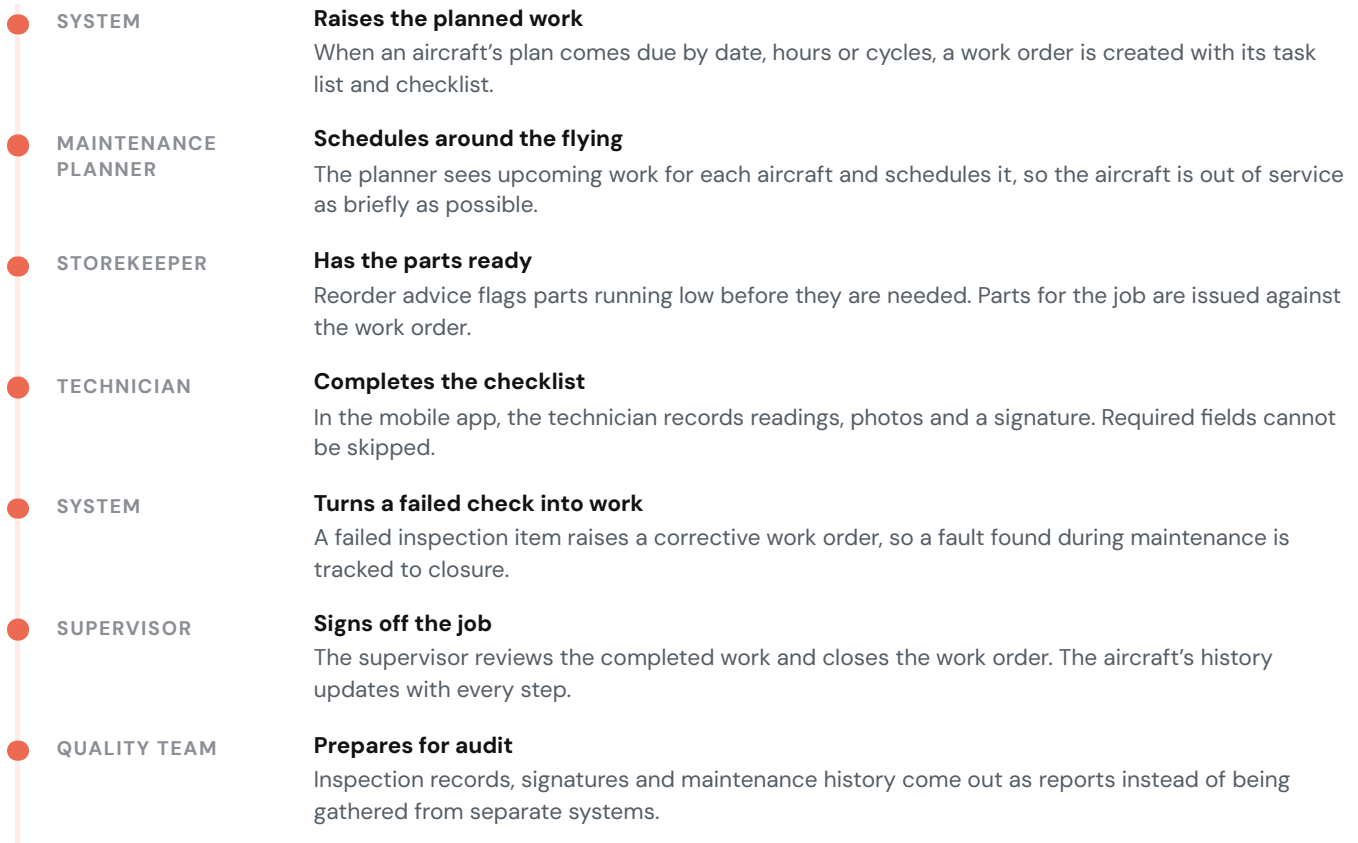
Insight

Reports for decisions

Dashboards and custom reports show maintenance status, downtime, parts and costs for each aircraft and the whole fleet.

04 How it works day to day

Here is how maintenance on an aircraft runs now, from plan to audit.



05 Before and after

	BEFORE	WITH ASSET INFINITY
Scheduling	Manual tracking	Preventive plans by date, hours or cycles
Downtime	Longer than necessary	25% less maintenance downtime
Parts	Shortages delayed work	20% fewer stock shortages
Compliance evidence	Gathered from disconnected systems	Recorded checks with signatures
Audit preparation	Slow and manual	30% less time
Reporting	Hard to assemble	Dashboards and custom reports

06 How it rolled out

1

Processes assessed. The operator and the Asset Infinity team reviewed existing maintenance processes and pain points in depth.

2

History migrated and systems connected. Historical maintenance data moved from legacy systems, and the flight operations system was connected through the API.

3

Maintenance staff trained. Maintenance staff were trained on scheduling, inspections, parts and reports.

07 The results

20%

fewer stock shortages, so maintenance was not delayed by missing parts

15%

increase in operational efficiency from accurate reporting

- Adherence to regulatory standards backed by recorded checks
- Less unplanned maintenance through proactive planning

08 Why it worked

History came along

Historical maintenance data was migrated, so plans and reports started from the full record of each aircraft.

Parts and work together

Parts are tracked against the jobs that use them, so planners know what is needed before the aircraft comes in.

Evidence made at the source

Checks are recorded and signed where the work is done, which is what made audit preparation faster.

09 Looking ahead

By putting maintenance plans, inspections, parts and history in one system, the operator spends less time with aircraft on the ground and less time preparing for audits.

The record built with every job, from parts used to signed checks, gives planners and auditors the same trusted history of each aircraft.

See it on your own assets

A 30-minute demo, set up for an airline or aircraft maintenance team.

The client's name is withheld for confidentiality. Results are as reported by the client.

Book a demo

Start a 14-day free trial