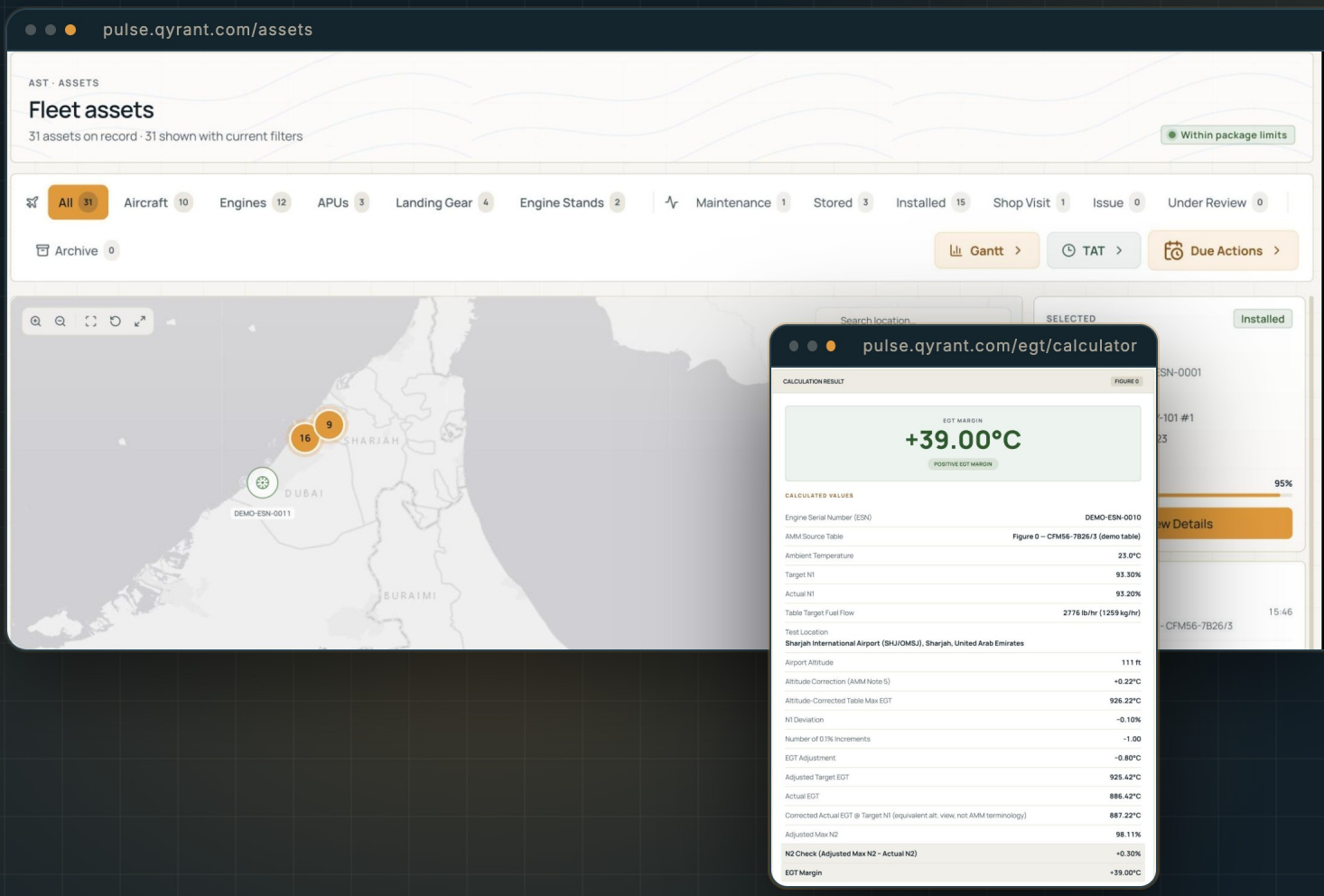
Qyrant

◆ AIRCRAFT AND ENGINE LIFECYCLE PLATFORM



Pulse

by Qyrant

Check. Confirm. Move on.

One record for every aircraft, engine and part. Inspections, engine health and QEC kits in the same place. Built for airlines, MROs, engine shops and lessors worldwide.

qyrant.com/pulse

● Founding Customer Program: open

Built for work that can't be wrong.

Findings sit on clipboards. Engine trends sit in spreadsheets. Back-to-birth records are chased by email when an engine changes hands. Pulse puts this work in one record, keeps working without signal, and logs who did what, and when.

01
Works offline
Findings, photos and sign-offs saved on the device. Synced when the connection returns.

02
One record
Aircraft, engines, parts and inspections linked. History follows the asset.

03
Traceable
Every change logged. The audit log cannot be edited.

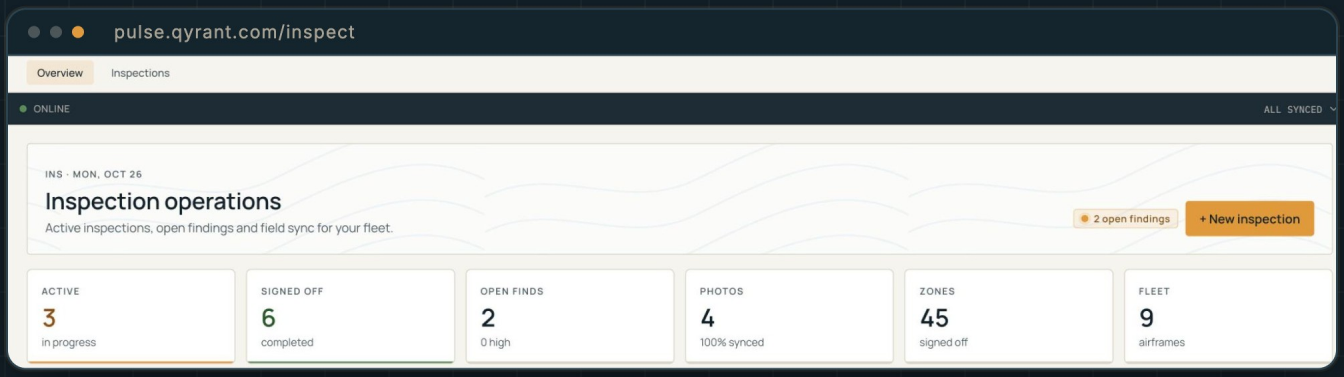


FIG 01 Aero Inspection. Active inspections, open findings and field sync.

31	144	45	9
ASSETS IN ONE REGISTER	EGT RUNS ON RECORD	ZONES SIGNED OFF	AIRFRAMES INSPECTED

BUILT FOR

Airlines and line maintenance teams
MROs and inspection providers
Engine shops
Lessors and asset managers

Multi-factor sign-in. Data isolated per customer. Audit log that cannot be edited. Nightly off-platform backups.

Five modules. One record.

01	**Asset Management**	Fleet, engines and parts in one register. Digital log book, maintenance history and reports tied to each asset.
02	**Aero Inspection**	Inspections on phone or tablet, with or without signal. Findings, photos and sign-offs recorded on the ramp.
03	**EGT Margin Advisor**	EGT margin tracked over time. Deterioration seen early, so shop visits are planned, not forced.
04	**QEC Inventory**	Quick engine change kits tracked part by part. The kit is complete before the engine change starts.
05	**Engine Digital Passport**	An engine's history, status and records in one passport. Ready to share when the engine moves between operators, shops and lessors.

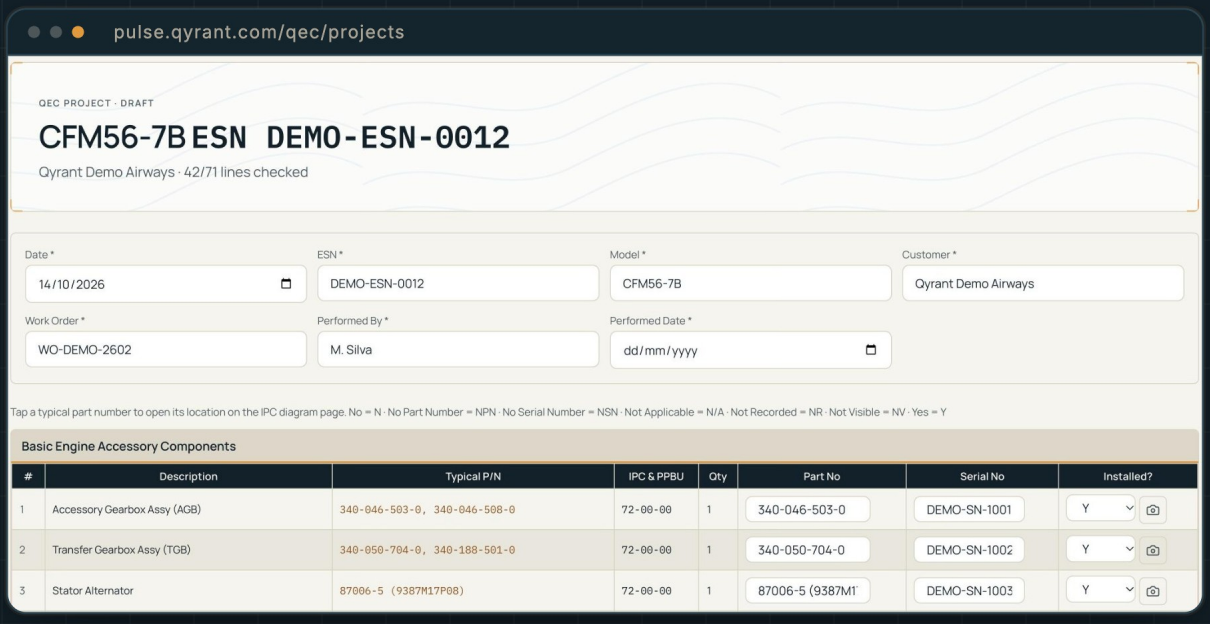


FIG 02 QEC project. Every kit line checked against the IPC, with part and serial numbers recorded.

- Web and mobile
- Role-based access
- Hosted in the EU

Every feature, in one place.

Pulse is four apps on one record. Switch on only the ones you need. This is what is inside.

AST Fleet

FLEET AND OPERATIONS

OPERATIONS

- **Operations overview**
- **Fleet dashboard**
- **Fleet map** live locations
- **Flight log-book** per asset

MAINTENANCE

- **Due actions and maintenance**
- **TAT dashboard** turnaround time
- **Timeline** Gantt view

ENGINES AND PARTS

- **Engine fleet**
- **EGT readings**
- **Oil fleet**
- **Parts catalog**
- **Parts requests**
- **Shop visits**

TEAM AND PROJECTS

- **Workforce tracker**
- **Projects tracker**
- **Projects Gantt**

REPORTS AND SHARING

- **Reports**
- **Sharing** with other organisations
- **Customer presentation**
- **Customer portal**

EVERY ASSET

- **Aircraft, engines, APUs**
- **Landing gear, engine stands**
- **Digital log book**
- **Linked records**

INS Aero Inspection

LINE MAINTENANCE

FIELD WORK

- **Zone and engine inspections**
- **Photos on every finding**
- **Zone sign-off**
- **Works offline**

RECORDS

- **Findings list**
- **Missing parts list**
- **Inspection reports**
- **Report details**

CONTROL

- **Maintenance schedule**
- **Engine limits**
- **Checklist editor** with diagram mapper
- **Awaiting release queue**
- **Certification settings**

ENG Engine record and passport

LIFECYCLE

RECORD

- **Fitting history**
- **Hours and cycles**
- **Time on wing**

LIFE

- **Life-limited parts**
- **Cycles left per part**
- **Shop visit history**

OUTPUT

- **Technical history PDF**
- **Engine Digital Passport**
- **Share when an engine moves**

Performance, kits and trust.

Engine performance, build-up and the controls that keep your records safe.

EGT EGT Margin Advisor

ENGINE PERFORMANCE

ANALYSIS

- Margin per engine
- 12-month trend
- Engine comparison
- Overview dashboard

CALCULATOR

- Line-by-line calculation
- Altitude and N1 correction
- Negative and low margin flags

RECORDS

- Every run on record
- Search by engine serial
- Export to CSV or PDF

QEC QEC Inventory

ENGINE BUILD-UP

CATALOGS

- IPC catalogs
- Part locations
- Kit inventory

PROJECTS

- QEC projects
- Kit checked line by line
- Part and serial numbers

HISTORY

- Fit and removal history
- Kit detail per engine
- Overview dashboard

PLT Platform and security

ACROSS ALL APPS

FIELD AND DEVICE

- Web and mobile
- Offline, then sync
- Live sync
- Conflict resolver
- Barcode and QR scan

YOUR TEAM

- Tasks
- Notifications
- Roles and permissions
- Invitations and access review
- English and Arabic

TRUST

- Multi-factor sign-in
- Company Microsoft sign-in
- Per-customer data isolation
- Audit log, not editable
- Nightly off-platform backups

ADM Administration

FOR YOUR ADMINS

CONTROL

- Usage dashboard
- Activity log
- Security log

COMPLIANCE

- Compliance centre
- Data classification
- Data governance

YOUR DATA

- Self-service data export
- Your logo and colours
- Billing and add-ons

Every asset. One register.

Aircraft, engines, APUs, landing gear and engine stands in one register, with each asset's history attached and its location on a map.

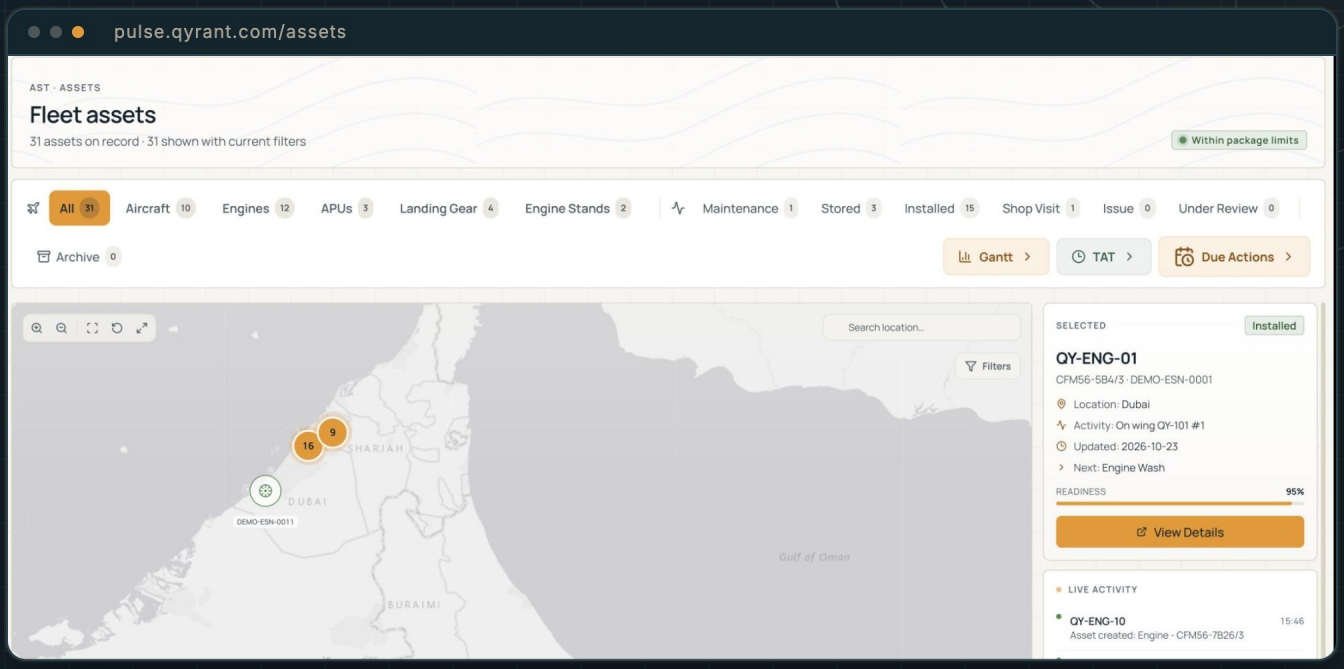


FIG 03 Asset Management. 31 assets, from aircraft to engine stands, in one register and on one map.

A

Every asset type

Aircraft, engines, APUs, landing gear and engine stands side by side.

B

Digital log book

Each asset carries its own log book and maintenance history.

C

Linked records

Aircraft, engines, parts and inspections linked. History follows the asset.

D

Reports per asset

Reports tied to the asset they describe, with role-based access.

Screens show a demonstration fleet with sample data.

Every engine, back to birth.

Time on wing, life-limited parts and shop visits in one engine record. Technical history and passport PDFs come from the same record.

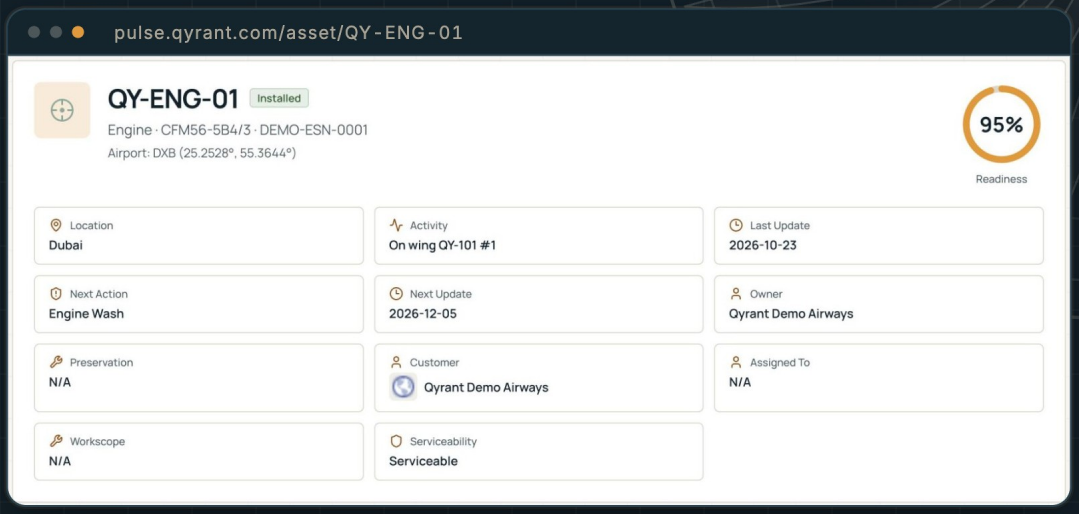


FIG 04 Engine record. Location, activity, next action and readiness for each engine.

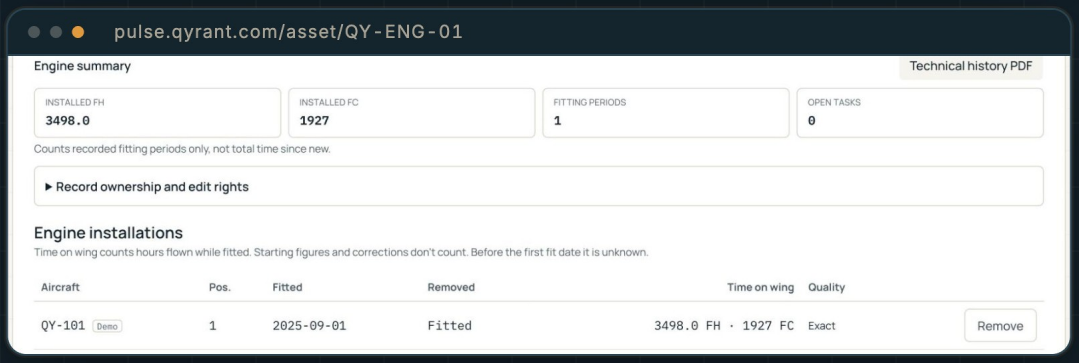


FIG 05 Time on wing. Hours and cycles are counted only while the engine is fitted.

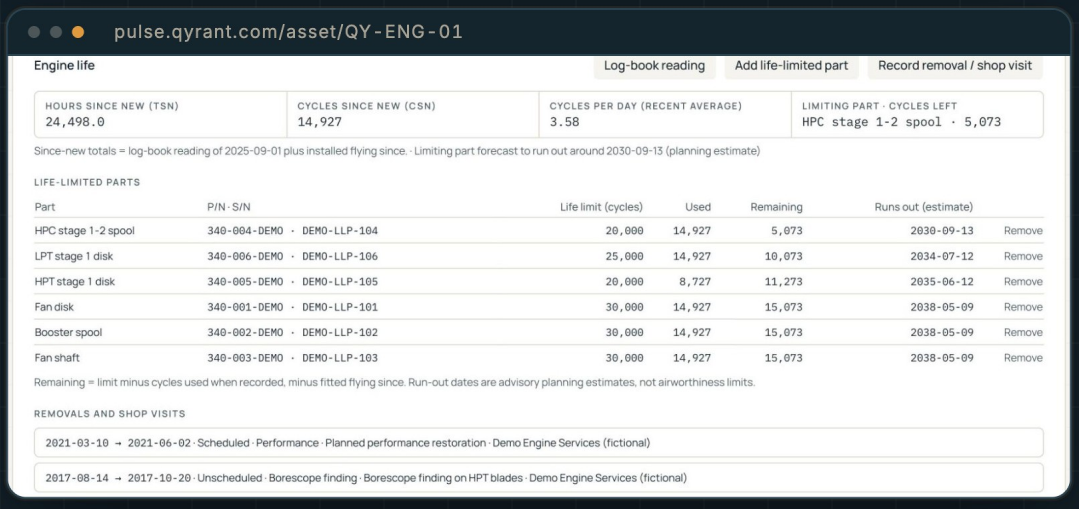


FIG 06 Engine life. Hours and cycles since new, life-limited parts with cycles left, and every shop visit.

Screens show a demonstration fleet with sample data. Run-out dates are planning estimates, not airworthiness limits.

Margin seen early. Shop visits planned.

The margin for every engine, worked out from the readings and kept on record. The trend shows deterioration while there is still time to plan around it.

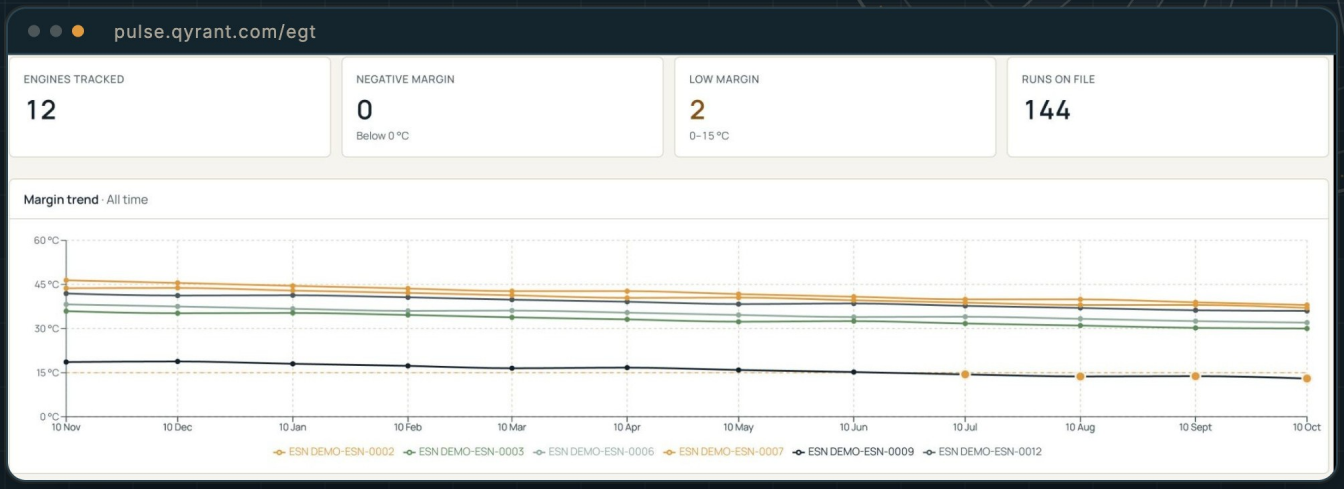


FIG 07 Margin trend for every engine, with low-margin engines flagged.

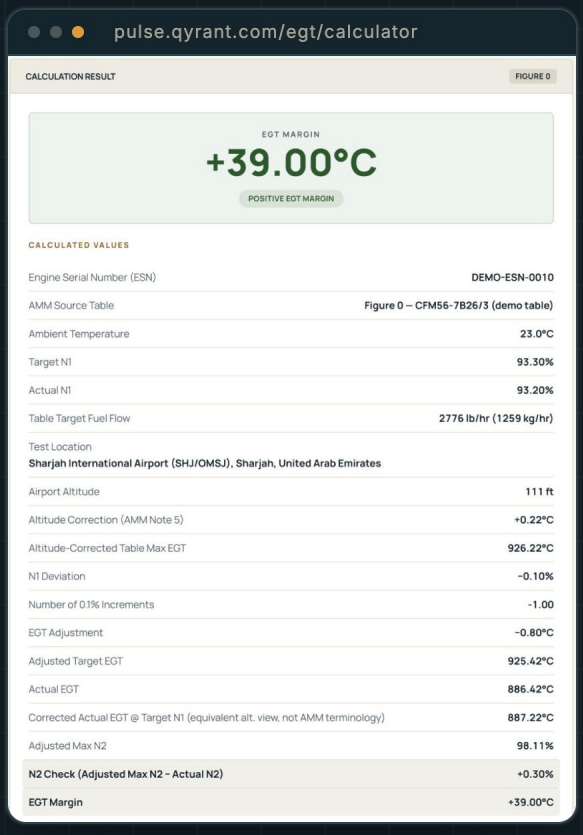


FIG 08 The calculation, reading by reading.

Margin, line by line

Target and actual N1, altitude correction, adjusted target EGT and actual EGT, down to the final margin.

Every run on record

Saved runs searchable by engine serial number, with the person who ran them. Export to CSV or PDF.

Clear flags

Negative margin (below 0 °C) and low margin (0 to 15 °C) counted at the top.

Engine comparison

Average margin, lowest margin and runs side by side for each engine.

Screens show a demonstration fleet with sample data and fictional reference tables.

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