

● SOVEREIGN AEROSPACE WORK INTELLIGENCE

≡ EON AI Ventures

The Aerospace Intelligence Center

From the wrench to the orbit.

A deployable sovereign competence engine for the nations building the future of aviation and space.

WHAT MAKES IT UNIQUE



The center of gravity has moved to the emerging world

Aviation is growing fastest exactly where the workforce to sustain it does not yet exist.

5.2 billion

passengers will fly in 2025 — a record

600,000+

new technicians needed globally in the coming decades

US\$156B

global MRO spend by 2035, up from ~\$119B in 2025



One crisis, three faces

Fleets, hangars and satellites are being built faster than the people who keep them safe.

1

General aviation

Regional operators run older aircraft with thin training budgets — where a green, unsupported technician carries the highest safety cost.

2

Commercial MRO

Certification takes 5–6 years; a retiring generation is leaving faster than it is replaced; enrolment grows ~2%/yr against a need of ~20%.

3

Space

National satellite programs are built on one-off foreign knowledge transfer — a handful of engineers, not a standing institution.

Each face is the same problem — competence transfer that doesn't stick.



You can buy the hardware. You can't yet keep the people.

India is the clearest case — the fastest-growing major market, and the most candid about its exposure.

80–90%

of India's MRO work is sent abroad — a national-security vulnerability, per its parliament

3rd

largest aviation market on earth; fleet set to triple by 2030

~150,000

aircraft engineers India needs by 2036 (IATA) — from a base in the low thousands

The prevailing fix makes the trap worse

RENT competence from a foreign partner — it works once, then walks out the door when the contract ends.

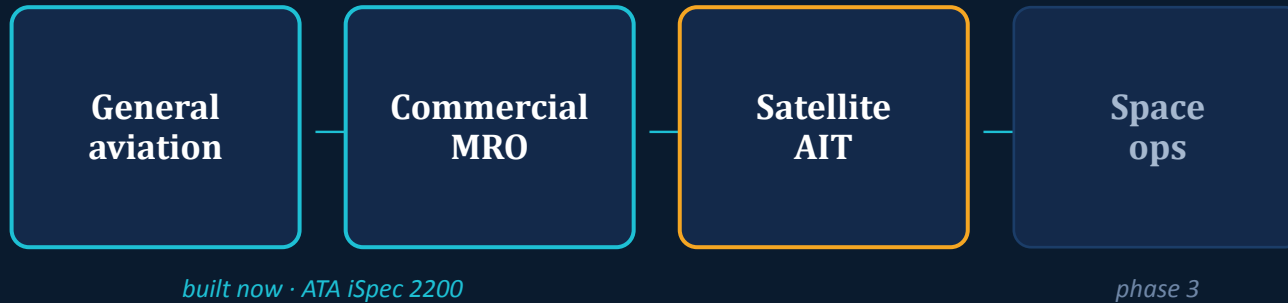
OWN the competence at home — competence manufactured continuously, and a library the nation keeps, better with every job.

Switch the model. Keep the value.



One engine. The whole arc.

Because it models understood components — not aircraft types — a single platform spans the entire aerospace value chain.



Composition, not enumeration.

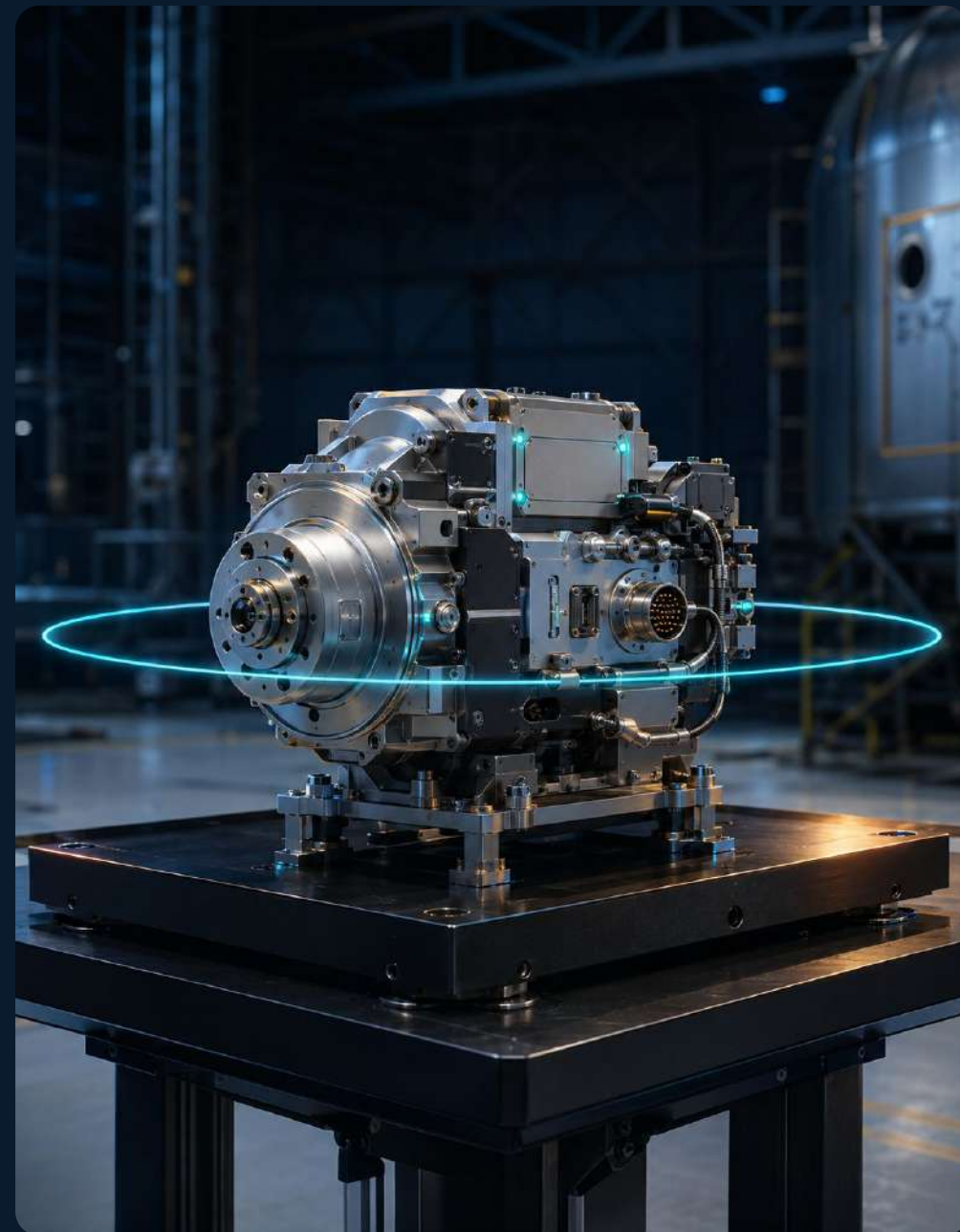
The same six-layer component intelligence that teaches a landing-gear strut teaches a satellite reaction wheel.



● WHAT MAKES IT UNIQUE

Five reasons it's a category of one

Not a better simulator. A different kind of thing.



Five reasons it's a category of one

1

One spine, from the wrench to the orbit

One engine covers GA, commercial MRO and satellite AIT. Competitors are locked to single-type trainers.

2

A sovereign asset you own — not rent

Every session compounds into a national knowledge library the country keeps and no vendor can repossess.

3

It understands the work — it doesn't just replay it

It reasons about faults and runs conditional, safety-gated procedures. A scripted trainer cannot branch.

4

Convince the room, then scale the cohort

A shared immersive room converts a ministry in one sitting — no headsets — then trains cohorts at scale.

5

It walks onto the ramp and into the clean room

The field layer recognizes real, undocumented equipment on sight, then guides the safe procedure.



● REASON 1

One spine, from the wrench to the orbit

Model the components every aircraft — and every satellite — is built from. Then compose anything.

One component library

50 classes · ~350 parts
six-layer competence record



Landing-gear strut

Satellite reaction wheel

A charged strut stores energy — the system knows this and gates the procedure on it. A reaction wheel is new content, authored the same way: the method transfers, no re-architecture needed.

Competitors model one aircraft type at a time. We model what every type is built from.



A national asset you own — not rent

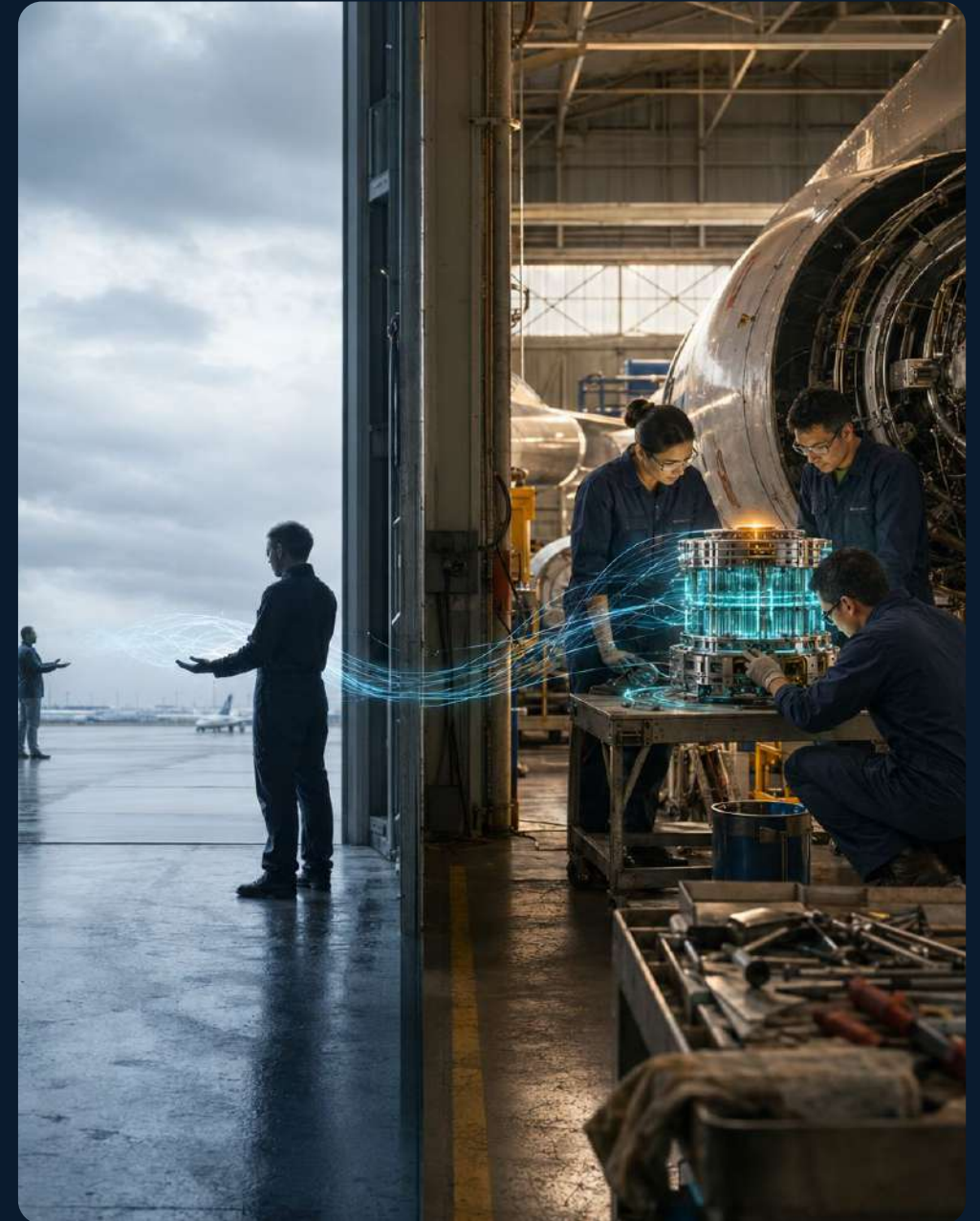
The incumbent model — RENT

- Content lives with the vendor
- Updates come from the vendor
- Covers only the aircraft they modeled
- Knowledge leaves when the contract ends

The AIC model — OWN

- A method the nation operates
- A library the nation owns
- Covers the assets the nation chooses
- Compounds with every job — and stays

A scripted-trainer vendor sells dependency. The AIC sells the opposite.



Everyone else enumerates. We compose.

CAE, Airbus, Boeing, Lufthansa, Thales — all build a scripted trainer for one aircraft type, and replay a fixed procedure.

Capability	Scripted	EON AIC
Spans general aviation → satellite	×	✓
Recognizes real, undocumented gear on sight	×	✓
Reasons about faults (conditional procedures)	×	✓
The customer owns the compounding library	×	✓

We don't beat them on brand or flight-sim fidelity. We beat the whole field on kind.



The evidence is already on the record

Independent studies of immersive maintenance training — and regulators — already back the approach.

–50%

training time (Frost & Sullivan)

+30%

first-time-fix rate

–40%

inspection time

EASA

recognizes rigorous immersive modules

The AIC is designed to accelerate the certified pathway — with outcomes audited on each nation's own cohorts.



A phased national deployment

Each phase is independently demonstrable — and de-risks the next.

PHASE 0

Proof & anchor

The Showroom demo on the existing MRO library convinces the anchor stakeholders; secure the site.

PHASE 1

GA + MRO live

Build the flagship spaces; extend the library to general aviation; run the first cohorts; align certification.

PHASE 2

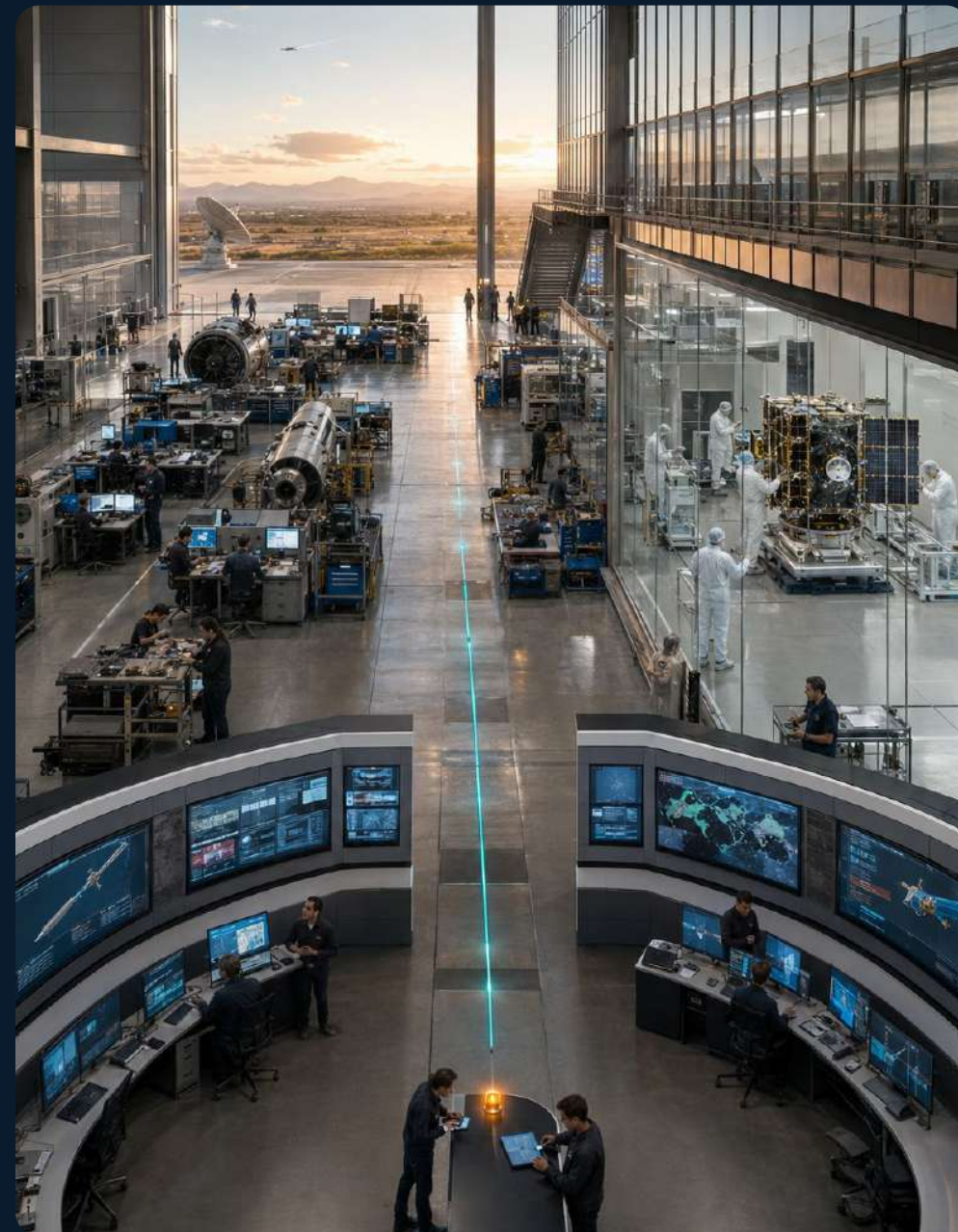
Sovereign space

Author the satellite AIT library; build the AIT bay; launch the space track with the national institution.

PHASE 3

Reach & export

Deploy the portable tier regionally; extend toward space ops; become a regional competence hub.



Own your aerospace future.

Understand the work. Compose any facility. Keep the value.

