

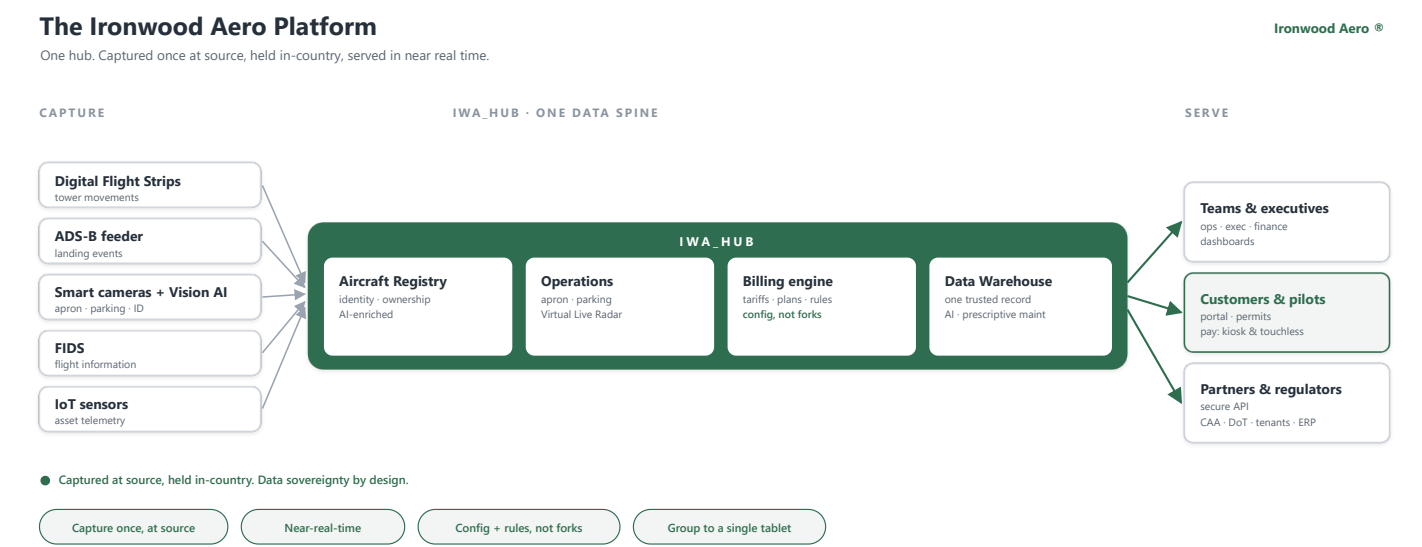


One trusted record for your airport

The data logistics layer for aviation

Most airports still capture movement data late, often on paper, then re-key it from the tower to billing to the monthly report. Aircraft go unidentified, revenue leaks, and no one holds a single trusted view. Ironwood Aero fixes that at the root. It captures each movement once, at source, turns it into a near-real-time pipeline, and serves everyone who depends on it: the apron crew, the finance office, the executive, the authority, and the customer.

HOW IT WORKS: ONE HUB, CAPTURED ONCE





THE CUSTOMER PORTAL, LIVE TODAY

A self-service front door for every operator, flight school, charter and aircraft owner at your airport.

- Register once, then manage their own fleet and profile.
- Get an instant landing-fee quote before they fly.
- Declare intent to fly and request permits, approved straight to a QR badge.
- Arrive with a QR arrival pass that recalls the whole visit at the gate.

Payment-ready. The portal presents the fee at the point of arrival and is built to connect to your airport's preferred mobile payment platform, on the rails your market already trusts. We deliver that payment integration as part of your proof of value.

Built for the field: capture runs **offline** on the ramp and syncs when the signal returns, and the whole platform installs to any phone, tablet or laptop in one tap. No app store, no rollout project.

SPEAKS YOUR LANGUAGE

Set the airport's default language once. Every user can switch to their own. New languages are seeded by machine translation and refined with native review, so a language arrives in **days, not releases**.

English

Afrikaans

isiZulu

isiXhosa

Sepedi

Kiswahili

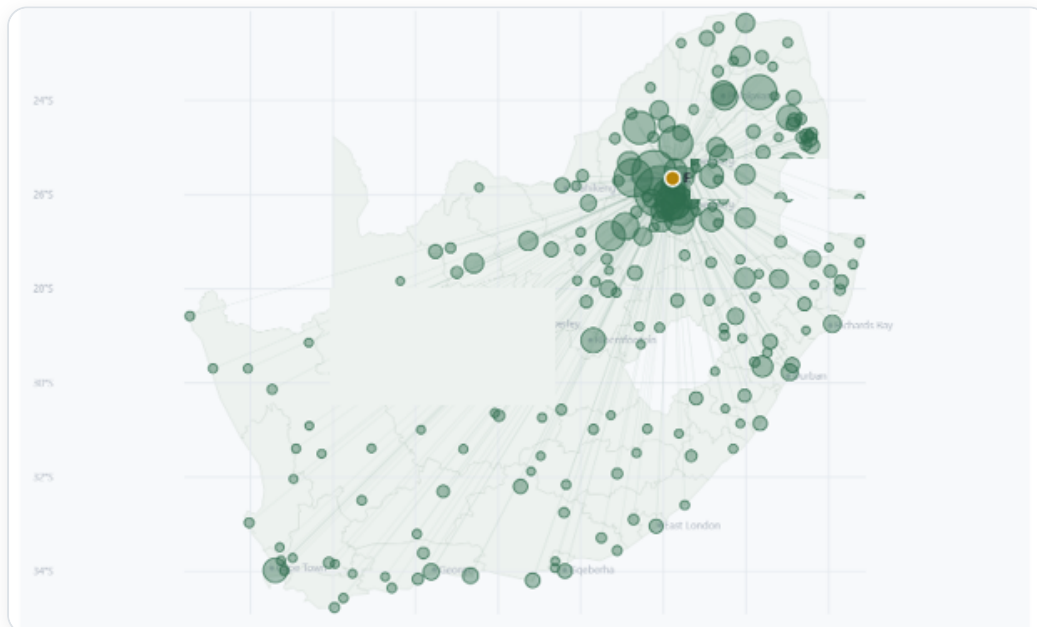
Français

Português

Español

+ your language

SEE YOUR WHOLE OPERATION: EXECUTIVE ANALYTICS



The live Air-Traffic Map at a National South African airport, every field it connects to sized by traffic. One toggle switches the same view between **movements** and **passengers**, turning raw records into route-development and economic-impact insight your executives can act on.



VISION AI: THE PLATFORM CAN SEE

Ironwood Aero does not just record data, it sees the aircraft. Computer-vision AI runs at the edge and inside the mobile app, turning any camera into a capture device that identifies aircraft by registration, logs what it sees, and feeds billing. Not a concept: proven end to end on real hardware, over a live LTE link.

AUTONOMOUS EDGE CAMERA

It watches, it identifies

A ruggedised edge unit watches the apron and runway, reads aircraft registrations and logs every sighting to the core. Proven end to end over LTE, reboot-proof, with a secure live remote view.

CAMERA CAPTURE IN THE APP

Snap it, bill it

On the ramp a crew photographs a parked aircraft; Vision AI reads the registration from the geo-tagged image and opens the billable event. No typing, no missed movement.

HUMAN-CHECKED BILLING

Automation with accountability

Reads flow into air-traffic and parking billing, but nothing bills on an unverified read. Every AI capture lands in a review queue for a person to approve, reject or correct.

Every aircraft seen is logged

Beyond billing, each sighting becomes a record. That is a field-trial instrument for understanding true traffic, and a security asset: an aircraft the system does not recognise surfaces for someone to look at.

GEO-FENCED ZONES, AND IT KNOWS WHERE

Draw your apron once. Each parking area becomes a polygon on the map with its own precise centroid, held offline so it works on the ramp with no signal. Vision AI says which aircraft; the zone says which bay. Together they bill the right movement to the right stand, every time.

The camera sees it, the polygon places it, the platform bills it. **One truth, captured at source.**



ONE CONFIGURABLE RULES ENGINE

The same engine runs three jobs, all set up as data by your own administrators. Configured, never coded. That is how one platform serves a towerless airfield and a national authority without a single fork.

BILLING RULES

Charge your way

Tariffs, operator and price-plan overrides, time-of-day and special-event rules, per-archetype charge logic. Proven from a small field's landing fee to an Act-compliant air-navigation charge.

DATA ENRICHMENT

Describe every movement

Derive facts as data arrives: fee tiers, classifications, aircraft attribution and custom attributes your super-users define, so each record lands fully described.

DATA CLEANING

Fix it at source

Catch and correct anomalies as they land: duplicates, unknown aircraft, mismatched registrations. Rules you can see and change, protecting revenue completeness.

Change a rule, not the software. **Config, not fork.**

ONE CODEBASE, MANY ARCHETYPES

From a tablet to a national group

The same core platform runs a national group and a small aerodrome operated from a single tablet. That reaches the airfields that have never had a system, and the groups that have too many, on one foundation, with data held in-country.

An archetype sets the capabilities, the authority model, the vocabulary and the portal your people see, from one spine and one security baseline. Configuration, not a different product. These four show the range.

Airport

PROVEN

Movements, apron and GPU, billing and debtors, tenant rental, the customer portal. The operating airport, end to end.

Group

Many airports rolled up, with minimal-disclosure reporting across them. Each field keeps its own data; the group sees the picture.

ANSP

ENGINE BUILT

Air-navigation service provider: multi-site towers and an Act-compliant navigation-charge engine, validated to the cent.

CAA

Civil aviation authority: national oversight and registry reconciliation, referencing the authoritative register, respecting sovereignty.

ON THE ROADMAP: THE SAME SPINE EXTENDS

NEXT

Hangar & property rental

A geolocated register of hangars, offices and containers on the map, with term contracts and automated invoicing.

NEXT

Operations & digital inspections

An asset register with scheduled inspections captured on the same mobile app the apron already uses, offline-capable.

NEXT

Predictive maintenance

The data warehouse turning movement and inspection history into maintenance foresight.

Ironwood Aero is a **partner, not a vendor**. We configure the platform to your airport, your currency, your language and your payment rails, and we prove the value on your apron before you scale it across your network.

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