

MANIFESTO

Flying is the easy part.

Everything before, during and after — missions, authorizations, logbooks, batteries, live feeds, reports, invoices — is the real work of a drone operator. Dronetrake exists for that.

DRONETRAKE

dronetrake.com · built and hosted in Europe

Why we exist

Drone operators in Europe spend more time on paperwork than in the air: records to keep for three years, certificates to renew, batteries to track, clients who want to see, authorities who want documents. Existing tools were built for recreational flying, for a single hardware maker, or for markets that don't speak our rules.

Dronetrake was born from an operator, for operators. It is not a flight app: it is the operations platform that holds together EASA compliance, field work and the client relationship — in your language, with your national rules, on European servers.

And on one thing we are intransigent: when your ops room watches a live feed, the people watching are not a cost. Ever.

What it does, in detail

Missions & Operation Orders

Every job starts with a mission: a flight window with an automatic weather light (plus METAR/TAF from nearby airports), your country's UAS geo-zones on the map (the European ED-269 format, nine countries already mapped), a crew with PIC and SPIC roles and certificates verified at the date. Structured organizations protocol their Operation Orders: managers authorize with signature and validity, pilots execute, and every take-off gets the protocol's progressive numbering. Operational checklists cover three phases — pre-flight, in-flight, post-flight — and the system ticks by itself what it can verify: certificates, weather, charged batteries, paired remote controller. The SORA 2.0 assessment produces the PDF with GRC, ARC, SAIL and the 24 OSOs.

EASA logbook & technical log

The technical logbook required by the rule (AMC1 UAS.SPEC.050) is not a PDF in a drawer here: it is an append-only register with a hash chain — entries are never rewritten, they are corrected with full traceability, and the three-year retention is enforced by the system. Every aircraft has its tech log PDF: flights with pilot and protocol reference, maintenance, batteries, anomalies highlighted. Every pilot has a personal logbook with career hours, the last ninety days of activity and an export to prove experience. Telemetry replays on a map, flight by flight.

Fleet, batteries, equipment

Drones carry their CE class, insurance and flight hours that grow by themselves from the logbook. Batteries have two honest counters: cycles from logged charges and hours from the flights they were mounted on — plus a warning when a charged battery sits idle too long. Remote controllers, radios, anemometers and video links are inventoried like everything else: who holds them, who used them last, when they need recalibrating. On a mission, a remote controller pairs with one drone only — like in the field. Maintenance covers everything from prop changes to manufacturer RMA, and it all flows into a single expiry board.

Live direction

The drone streams live into the ops room; the pilot's phone becomes a bodycam with a QR code. Guests — the client, the principal, the control centre — join through personal revocable links and are notified automatically when you go on air. Minutes are counted per broadcasting channel: ten people watching cost the same as one. Recordings are encrypted with a key that belongs to the single organization: nobody opens them but you.

Reports & certified delivery

Findings are noted in the field: component, severity, recommendation, photos. One click and they become the mission report with your logo — operations summary, flights from the logbook, weather, findings ordered by criticality. Delivery goes through the portal: expiring, revocable links, and every file carries its SHA-256 fingerprint so the client can verify nothing was altered. If an incident happens, the dossier assembles itself: logbook, telemetry, signed checklists, evidence.

The operator's bottom line

Quote, job, invoice — with margin computed on hours actually flown and a flight-hour cost suggested by your fleet's depreciation, not invented. E-invoicing speaks your tax authority's language: FatturaPA in Italy, Facturae in Spain, Factur-X in France, XRechnung in Germany. Platform subscriptions are handled by a Merchant of Record: European VAT and receipts automatic, no surprises.

Case scenarios

Four typical days, told the way they really go.

Solar farm inspection — 40 MW in two days

A Crew operator with a thermal camera must inspect a 40 MW plant for the asset manager. The client wants to see anomalies now, not in two weeks.

► HOW IT UNFOLDS

The mission is born under a quarterly ODO already authorized. The weather light picks the right windows; pre-flight checklists auto-fill on certificates, batteries and remote controller. While the drone flies, the client's asset manager watches the thermal feed live from an invite link — from his desk, installing nothing. Suspicious panels become findings with photos straight from the field: "String 22, hot-spot on 4 modules, check bypass diode".

✓ THE RESULT

By day's end the branded report sits in the deliverables with an integrity fingerprint, and the client downloads it from the portal. Batteries flip to "to charge" by themselves at post-flight signature. Invoice from the job, margin already computed.

Civil protection — missing person search at dusk

An association on the Ops plan activates a search at 18:40. Three teams, two drones, the ops room at HQ.

► HOW IT UNFOLDS

Rapid activation creates the mission from a template in thirty seconds: checklist, drone and live channel ready. The pilot launches; the ground operator opens the PWA on his phone, scans the QR and his bodycam joins the direction next to the drone's thermal, GPS position on the map. The municipal officer follows through an expiring link. Every take-off lands in the logbook with the operation order reference.

✓ THE RESULT

When the missing person is found, the encrypted recording and the hash-chained logbook document the intervention minute by minute — for the debriefing, and for anyone who needs to verify.

High-voltage pylons — a 300-tower campaign

An Ops service company inspects 300 pylons for a grid operator, four pilots in parallel teams.

► HOW IT UNFOLDS

A single ODO covers the campaign; flights are numbered in sequence on the protocol, whoever flies them. Each pilot sees his missions of the day on his phone; equipment leaves with custody taken — you always know who has the thermal camera. Findings ("T-114: cracked insulator, flashover marks") pile up in the dossier with photos.

✓ THE RESULT

The principal receives a report per line section with findings ordered by criticality. Each drone's tech log documents real hours for scheduled maintenance. And every pilot's logbook grows, ready for certificate renewals.

Flight school — from classroom to certificate

A school uses Dronetrake for the practical part of A2 and STS courses.

► HOW IT UNFOLDS

Every student is crew on training missions; instructors sign the checklists, flights land in the student's personal logbook with the instructor as PIC. The school fleet's batteries — the most stressed in the business — have cycles and hours under control, with end-of-life warnings.

✓ THE RESULT

The student leaves with a verifiable logbook of practical hours. The school proves fleet compliance at every audit, and the estimator prices courses on the true cost of machine hours.

The principles (non-negotiable)

Watching is free

Live minutes are counted per broadcasting channel, never per viewer. Your ops room can be full: the cost doesn't change.

The register is never rewritten

Append-only logbook with a hash chain. Corrections exist, they're called rectifications, and they show. That's how you build trust with authorities and insurers.

Europe, for real

Servers in Europe, five real languages (panel included), UAS zones for nine countries, e-invoicing for four national tax systems. GDPR by design, encrypted backups in three locations.

Any drone

If it streams RTMP, SRT or WHIP, it joins the direction. No vendor lock-in: the hardware is yours, so is the platform.

AI works, humans sign

The assistant translates, classifies, drafts replies and reports. But nothing leaves for a client or an authority without a human signature — except where you explicitly delegate.

What it can do (and what's coming)

1. DJI Cloud sync will bring flights into the logbook by themselves, batteries included — the receiving infrastructure is already in production.
2. Processing credits will switch on photogrammetry and analysis: orthophotos, change detection over time, counting.
3. Full white-label will give schools and operator networks a platform under their own name — the field PWA already installs with the client's logo today.
4. And the AI coworker will grow where it makes sense: never where a signature is required.

One platform, one trade

Dronetrake doesn't want to change your trade: it wants to give you back the time to do it. If you fly for a living in Europe, this platform is written in your language — in every sense.

dronetrake.com — start free, grow as you fly.