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, NATS dataset for the UK: 14 countries served by us, 32 sources 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. And when you sell an aircraft or renew a policy, the operational history certificate puts hours, maintenance and hash chain into a PDF anyone can verify with a QR code.

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. And when the broadcast is for an audience — a wedding, a concert, a public event — event mode delivers it over HLS to hundreds of viewers, without touching the control room. Several views — the drone, the trackside, the backstage — with names you choose: guests tap the one they want, or everyone follows your direction. And on the tables, QR cards printed in one click. On DJI enterprise drones the live starts from the platform: one click, and the streaming address reaches the remote controller on its own — nothing to type in the field. For every other drone, a stable address: set it once and it never changes.

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. And every report carries a public verification QR: whoever receives it can re-check online, at any time, that the flights exist and the hash chain is intact.

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, and Peppol BIS 3.0 from Belgium to Scandinavia: 20 countries in all, including the new Belgian B2B mandate. Platform subscriptions are handled by a Merchant of Record: European VAT and receipts automatic, no surprises. And contracts — flight operations, pilot engagements, releases — start from templates with your logo and get signed from a link: text frozen with a SHA-256 fingerprint, signature with an audit trail.

Thermography, 3D and survey

Thermography here is measurement, not impression: on the DJI cameras' radiometric R-JPEGs the heat reads in degrees, point by point, with one click — in the panel and inside the client portal. A PV roof, a pipeline, a heat loss: the real temperature, not a false colour. Alongside the files, the portal shows the 3D models and viewers of your provider — WebODM, Pix4D, Sketchfab, LiDAR point clouds — so the client rotates the survey instead of downloading it. And neighbourhood projects, hundreds of addresses from a list with a QR per unit and phase progress on the map, are built for municipal thermal campaigns.

Safety from the field

Whoever flies alone, far out, has a button: the SOS from the field app reaches the control room in real time — and where there is no network it goes over SMS or satellite, with inReach and SPOT communicators. The position arrives with the call for help, the acknowledgement stays on record. And on the live stream, when needed, an AI eye flags people and vehicles almost in real time — supporting the search, never replacing the person watching.

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 activates the School plan: a school code, students on free accounts, and its own logo in each student's workspace.

▸ HOW IT UNFOLDS

Students sign up with the school code and work in a space that carries the school's brand. The instructor assigns a task — area, altitudes, manoeuvres — and the student accepts it: from there the school reads the facts as they come in: geo-zones checked, METAR and NOTAM read, briefing, signed checklist, flight track, live stream and time-stamped recording. If the task includes a live stream, the instructor follows the student in flight from their own screen, with pause, back 30 seconds and clip download.

✓ THE RESULT

When the task is handed in, the school issues the training certificate, with its fingerprint in the chain and public verification via QR. The student leaves with a verifiable logbook of practical hours; the school has a file of facts for every student, and the platform stays Dronetrake: the brand the students see is the school's.

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 free tier is an honest taste

Solo costs nothing and hides nothing: a real live channel with one-time welcome minutes — 15, or 60 with a verified UAS operator code — and a price list that stays public. When the minutes run out, the stream closes with fair warning; watching stays free.

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, ten real languages (panel included), UAS zones ready for 14 countries, e-invoicing in 20 countries. GDPR by design, encrypted backups with an offsite copy.

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 is in production: the flights and batteries of enterprise drones enter the logbook without typing, and the CSV importer recovers the history.
2. Radiometric thermography is already here, real measurement from R-JPEGs; next comes credit-based photogrammetry — orthophotos, change over time, counts.
3. The flight-school programme is in production: co-branding with the school's logo, an enrolment code, tasks with proofs and verifiable certificates. The field PWA installs with the client's logo.
4. And the AI co-worker will grow where it makes sense: never where a signature is needed.

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.

Document updated September 2026. Competitor price comparisons cited on the website are source-verified with dates. DJI and FlightHub are trademarks of their respective owners.