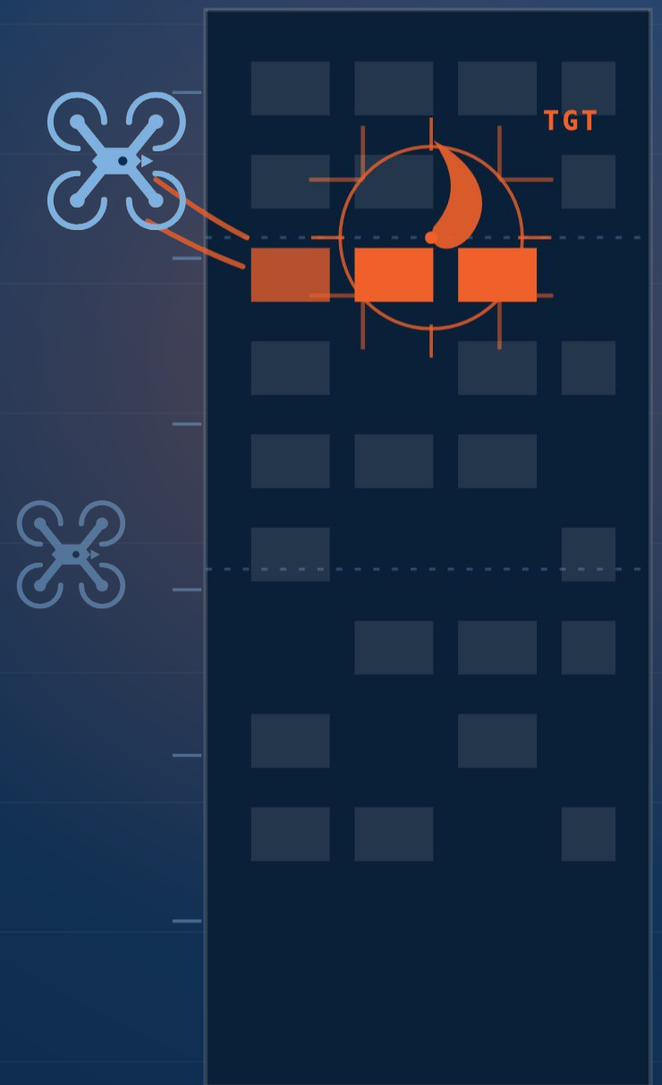
AEROQUELL

AQ-001//SEC-01 · REV 1.0 · SEP 2026

HIGHER. FASTER. SAFER. · AI-DRIVEN

Fighting high-rise fires from the air

A complete package: AI-flown firefighting drones combined with a suppression chemistry that multiplies the effect of every litre of water. The aircraft finds the fire, judges its own stand-off and puts it out — high above the ground, without destroying the building below.



- Reaches any floor
- 10× suppression effect
- No crews at the wall
- AI-flown targeting

AQ-001//SEC-02 · REV 1.0 · SEP 2026

The hardest fires to reach are the deadliest

Conventional firefighting was built for buildings you can drive up to. Modern cities are not.

01 Ladders run out

Aerial ladders and monitors have a hard ceiling. Above it there is no way to put water on the fire from outside.

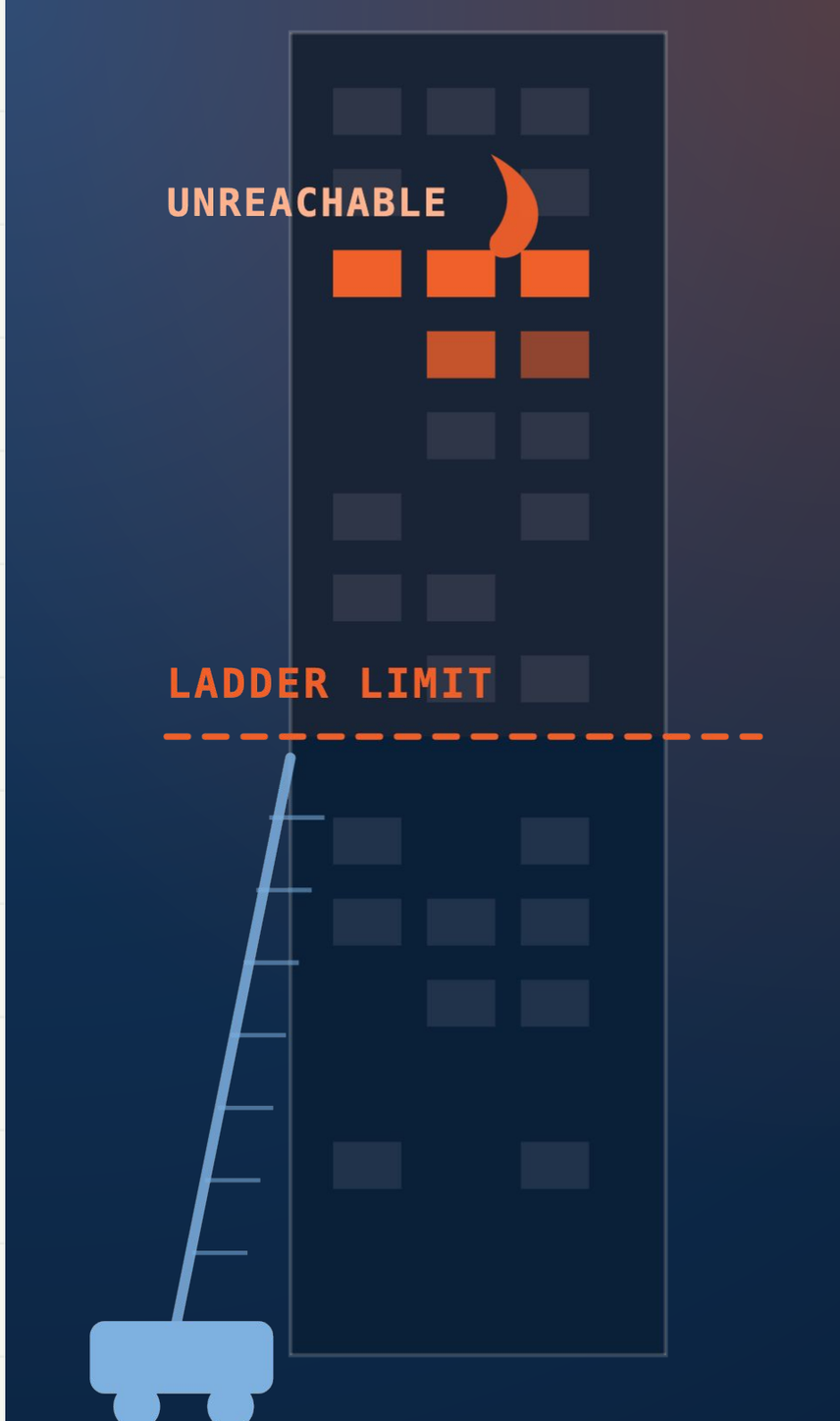
02 Minutes are lost

Heavy apparatus has to arrive, find space in dense streets, and be rigged before the first water flows.

03 Crews are exposed

Firefighters must work at the base of a burning structure — and, in conflict zones, under the threat of repeat strikes.

High-rise fires routinely end in large loss of life. The limiting factor is not willingness — it is **access, time and water damage**.



One packaged system, three parts

AeroQuell is not a drone and it is not a chemical. It is the finished package — the airframe, the payload that makes it effective, and the operating model that gets it to the fire in time.

PART 01

THE PLATFORM

Firefighting drones

Built in-house with a Ukrainian drone partner: heavy-lift airframes flown to the fire floor, whatever its height.

- Optical and thermal cameras
- Aimed, metered water delivery
- Hot-swappable tank and battery

+

PART 02

THE PAYLOAD

Extinguify chemistry

The additive is what makes an airborne tank viable — more than ten times the suppression effect of plain water.

- A tenth of the water volume
- PFAS-free and fluorine-free
- Biodegradable, multi-class

=

PART 03

THE OPERATION

Central response hubs

Drones stationed at hubs covering a wide urban area, launched the moment the alarm comes in.

- Suppression begins before crews arrive
- One or several drones per incident
- Hands the fire over under control

✓ Sold as one package — **aircraft, agent and operating model** — so a fire service buys a capability, not three separate procurements.

The chemistry is what makes flight viable

A drone can only carry a modest tank. With plain water that tank is a gesture. With the additive, it is a suppression run.

>10×

SUPPRESSION EFFECT

Real-world extinguishing performance versus the same volume of plain water — which means **a tenth of the liquid** puts out the same fire.

1/10

Water required
What puts the job inside a drone's payload.

0

PFAS content
Fluorine-free and biodegradable.

Proven chemistry from **Extinguify** — an established multi-class suppression platform — applied to a new delivery method.

SAME FIRE, SAME KNOCKDOWN

What it takes to put it out

PLAIN WATER



WITH THE ADDITIVE



Less water on the fire means less water running down through the floors below. In a high-rise, water damage is often the larger share of the total loss.

Six advantages over conventional response

Every one of them comes from the same shift: moving the water source off the ground and into the air.



ACCESS

Any floor, any facade

Reachable without a ladder, and without street space for heavy apparatus.

SPEED

Water on the fire first

Suppression starts on alarm, not after apparatus arrives and rigs.

SAFETY

Crews stay back

Decisive where rescue workers are themselves under threat.

FLEXIBILITY

One hub, wide coverage

A single station covers a large urban area and sends several drones per incident.

PRECISION

Aimed and metered

Cameras plus controlled dosing put the stream where it has most effect.

ENDURANCE

Swap and continue

Tank-and-battery units exchange in seconds, so suppression never pauses.



Lives saved, and the building saved with them

Both outcomes come from the same fact: it takes roughly **a tenth of the liquid** to put the fire out. It goes out sooner — and the tower is not flooded doing it.

Lives saved

- Knockdown arrives minutes earlier
- Floors above stay survivable for longer
- No crew standing beneath a burning tower

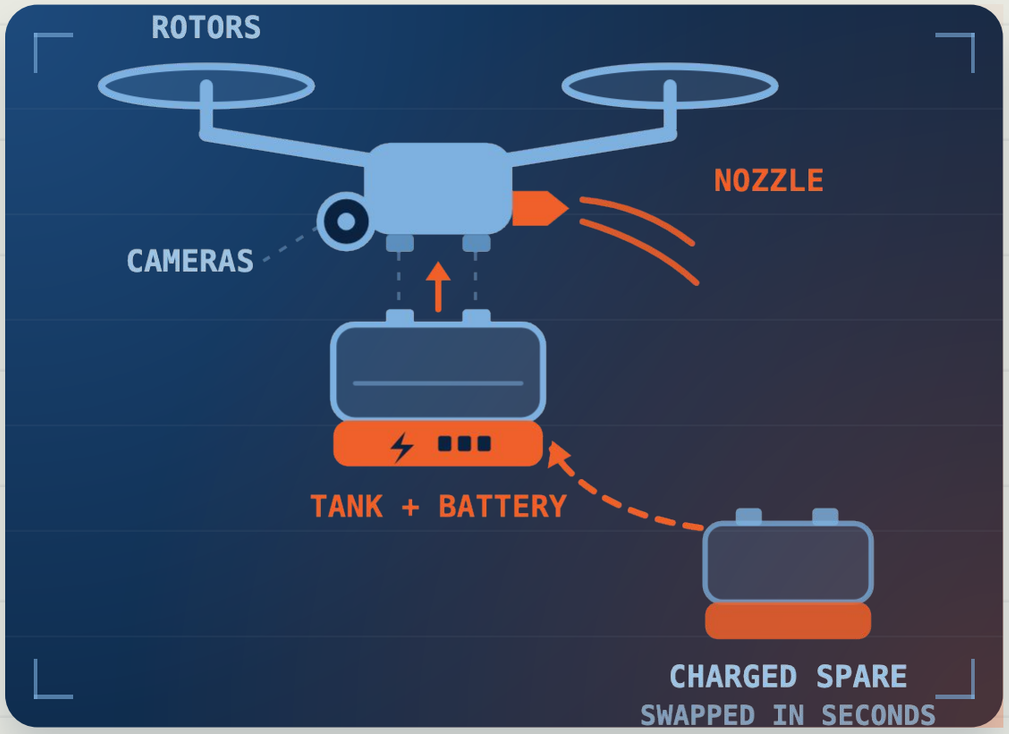
Building saved

- A tenth of the water running downward
- Fewer flooded floors and ruined fit-out
- Fewer displaced residents and tenants

Lower rebuild cost is the argument that sells to owners, operators and insurers as much as to fire services.

We build the aircraft ourselves

AeroQuell designs and builds the airframe in-house, together with a Ukrainian drone partner whose engineers build and fly heavy-lift platforms at scale. That keeps the airframe, the payload and the suppression system under one roof — and one development schedule.



Optical and thermal sight

Operators see through smoke and identify the seat of the fire before committing water.

Aimed, metered delivery

Nozzle direction and dosing are controlled in flight for optimal effect.

Swappable tank-battery units

Tank and power swap as one unit — back to the fire in seconds.

Hub-based dispatch

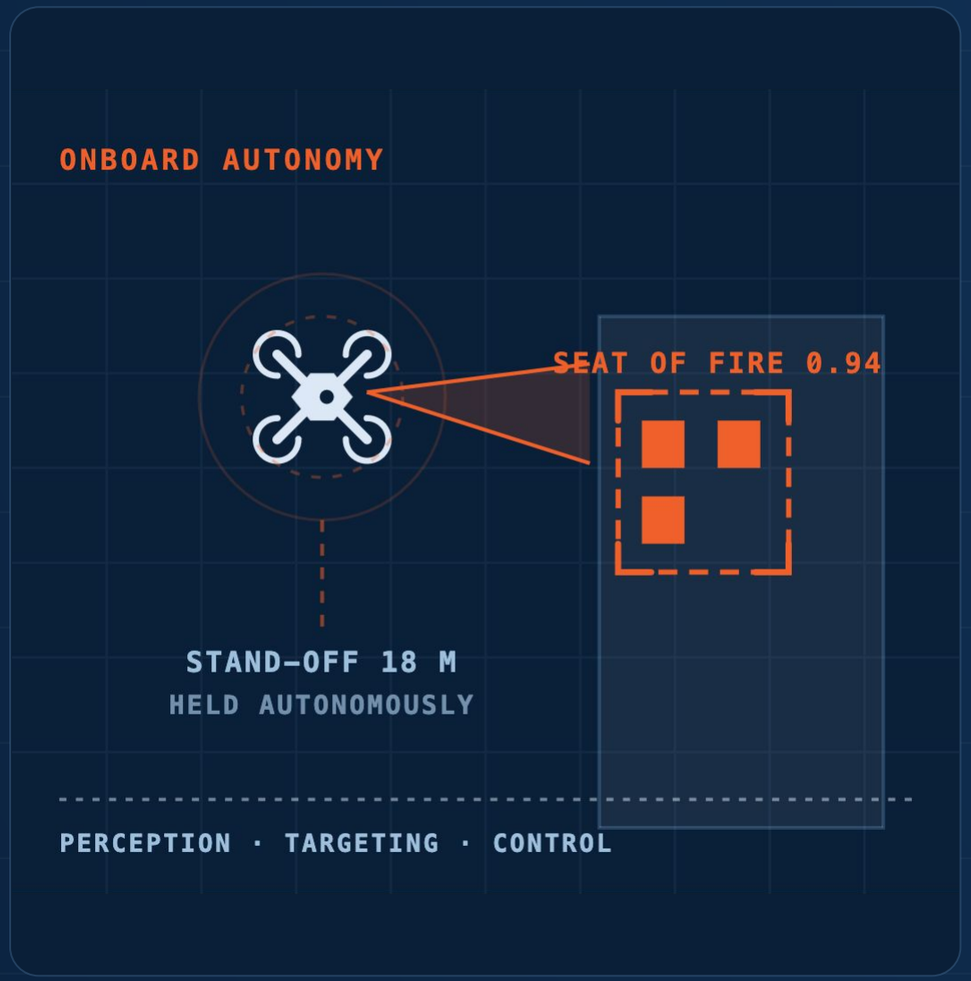
Launched on alarm, en route while ground crews mobilise.

AQ-001 EST.

200 L	8	500 m	80 km/h	10–15 min	2,3 m
PREMIXED AGENT	COAXIAL MOTORS	OPERATING HEIGHT	TOP SPEED	LOADED ENDURANCE	SPAN, 340–370 KG

An AI company that happens to fly

Airframes can be built and chemistry can be licensed. The durable asset is the flight intelligence: the software that sees a fire through smoke, decides where to aim and how close to get, and does the job without a pilot.



01 Sees the fire through smoke PERCEPTION

Thermal and optical feeds are fused onboard to locate the seat of the fire, not just the flames — the part a human operator struggles to read from a screen.

02 Aims and doses itself TARGETING

The model picks the aim point, chooses jet or spread and meters the agent, so 200 litres land where they do the most work.

03 Judges its own stand-off CONTROL

Distance, wind and thermal load are assessed continuously — close enough to be effective, far enough to survive.

04 Every flight trains the fleet FLEET LEARNING

Each incident is logged and fed back. The airframe stays the same; the capability compounds with every deployment.

Prove it where it is needed most

Validation under the hardest conditions in the world, then the same package into every city that outgrew its fire equipment.

PHASE 1 · PROVING GROUND

Ukraine

Daily drone and missile strikes make high-rise fires a routine emergency — and make standing next to a burning building a direct danger to rescue workers. Ukrainian counterparts are strongly engaged with the concept.

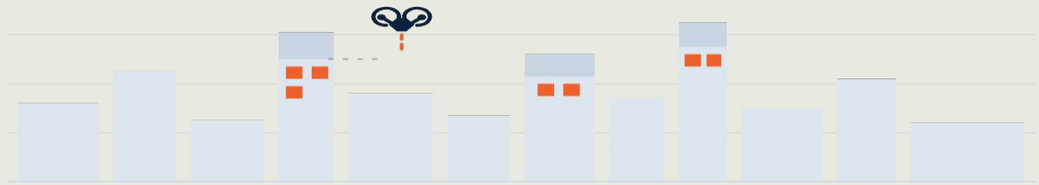
- ✓ Immediate, verifiable operational need
- ✓ Real-world validation under the hardest conditions
- ✓ Strong sympathy and access — doors open quickly

PHASE 2 · SCALE

High-rise cities worldwide

Once verified in the field, the same package applies to every metropolis where buildings outgrew the equipment meant to protect them.

- Dubai & the Gulf
- East & Southeast Asia
- European capitals
- North America



Buyers are fire services, civil defence, building owners and insurers — **budgets that already exist.**

Four things line up at once

None of these four is new on its own. The opportunity is that they are all true in the same window.



PROVEN

The chemistry already exists

No research risk on the payload — a certified suppression platform in use today.

01

Ready to deploy

READY

We build the aircraft ourselves

Heavy-lift airframes are a solved problem. We build our own, with a Ukrainian partner's engineering behind it.

02

Ukrainian partner

MANDATED

PFAS rules force a switch

Fire services must replace legacy foams regardless. Equipment decisions are open now.

03

Budgets unlocked

URGENT

A proving ground is waiting

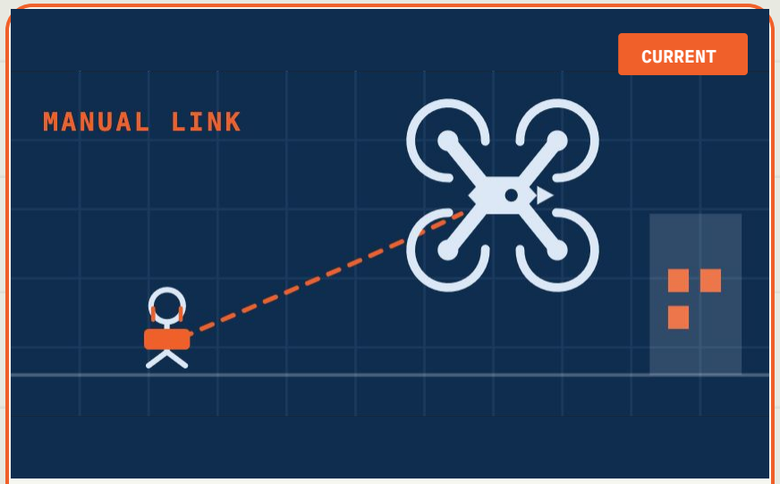
Ukraine offers urgent need, willing partners and the fastest route to field validation.

04

Doors already open

From piloted prototype to autonomous response

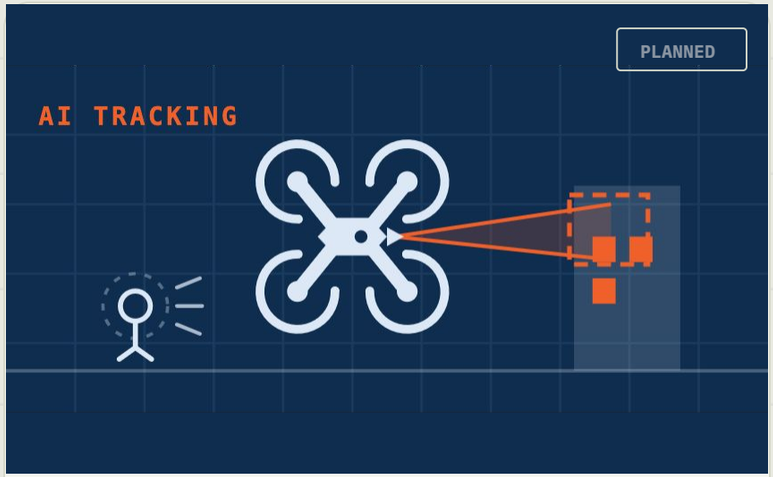
Each phase is a working product in its own right — and the foundation for the next.



FASE 01 Prove

Build the machine and show that it works.

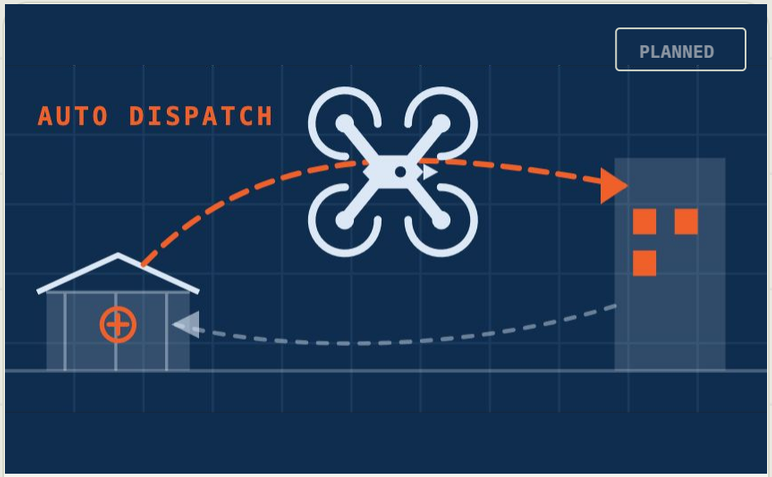
- Drone airframe integrated with the suppression system
- Chemistry, metered nozzle and swappable tank/battery pack
- Pilot-flown — field demonstration of real extinguishing effect



FASE 02 AI

The intelligence layer takes over the flying.

- Flies itself to the target and holds position
- Recognises fire and judges safe stand-off distance
- Extinguishes autonomously with an operator supervising



FASE 03 Autonomous

Alarm to extinguished — no one in the loop.

- Launches from station on alarm, navigates by GPS
- Fire recognition and distance assessment in flight
- Returns to base, swaps tank/battery and re-deploys

Invest in the first airborne high-rise fire response

We are raising to integrate the platform, validate it in real conditions, and take a finished package to market.

1 **Integrated prototype**
Airframe, tank-battery units, dosing and nozzle control as one system.

2 **Field validation**
Documented performance in real incidents, starting with Ukrainian partners.

3 **Certification and approvals**
Aviation and fire-service requirements in the first target markets.

4 **Commercial rollout**
Hub deployments with fire services, civil defence and building owners.



Higher. Faster. Safer.

A proven chemistry, a mature airframe, and a gap in fire protection that grows with every tower built.

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