



Sonin Hybrid Overview

Patented hybrid-powered UAV technology for the missing middle in tactical multirotor endurance.

Company Snapshot

Sonin Hybrid is developing the Recruit, a compact hybrid-powered multirotor UAV platform intended to extend mission endurance while preserving vertical takeoff, hover, maneuverability, and payload flexibility. The platform is positioned for public safety, defense/ISR, disaster response, agriculture, and industrial missions where aircraft size, sensor payload, and usable time over the mission all matter.

The Market Gap

UAV operators often choose between two imperfect categories:

- Battery multirotors offer vertical launch, hover, agility, and close-in access, but mission duration can shrink quickly under sensor load.
- Large fixed-wing and fixed-wing VTOL systems can deliver hours of endurance, but are bigger and less suited for confined or close tactical operations.
- Recruit targets the missing middle: compact multirotor behavior with extended hybrid-powered usefulness.

Recruit Platform

Recruit is positioned as a compact tactical multirotor platform built around hybrid power and payload utility:

- Hybrid engine-generator architecture designed to support electric propulsion and onboard mission power.
- Compact multirotor footprint for vertical takeoff, hover, precise positioning, and constrained deployment areas.
- Designed around meaningful payloads such as EO/IR, zoom cameras, mapping sensors, communications, and ISR equipment.



Positioning

Recruit is not positioned as a replacement for every battery multirotor or every fixed-wing endurance aircraft. It is positioned as a third option for missions where vertical access, payload utility, and longer useful time over the mission all matter.

Where Recruit Can Create Strategic Value

A concise overview for press, strategic partners, payload companies, and commercialization discussions.

Public Safety / Disaster

- Search and rescue, missing-person operations, and command-center situational awareness.
- Wildfire monitoring, fire-scene overwatch, flood response, and post-disaster assessment.
- Longer mission windows can reduce battery-swap interruptions during active incidents.

Defense / ISR

- Tactical ISR, route reconnaissance, convoy overwatch, base security, and perimeter monitoring.
- Reusable, maneuverable aircraft for close tactical support where fixed-wing profiles may not fit.
- Potential platform for sensors, communications, and mission-specific payloads.

Industrial / Agriculture

- Inspection of pipelines, power lines, bridges, rail corridors, ports, towers, and remote assets.
- Agricultural mapping, monitoring, and sensor operations where low-speed precision matters.
- Payload flexibility for companies with sensors or software that need a better aerial platform.

Strategic Partner Fit

Sonin Hybrid may be especially relevant to organizations that already have payloads, sensors, software, channels, manufacturing capability, or mission-specific technology, but need a more capable UAV platform to carry it.

- Defense contractors and ISR payload companies
- Public safety technology providers
- Sensor, autonomy, mapping, communications, or mesh-network companies
- Agriculture and infrastructure inspection firms
- Established UAV or aerospace manufacturers exploring hybrid capability
- Commercialization partners with manufacturing, integration, or market-channel strength

IP / Status Snapshot

- Portfolio of patent filings and granted patents related to hybrid UAV architecture and airframe concepts.
- Technology thesis: extend multirotor mission usefulness while preserving vertical access, hover, maneuverability, and payload flexibility.
- Specific performance figures, technical claims, and patent language should be reviewed against approved engineering/legal messaging.
- Detailed technical materials available in qualified partner conversations.

Current Outreach Posture

Sonin Hybrid is open to strategic partnership, licensing, manufacturing, payload-integration, and commercialization discussions with qualified organizations interested in advancing long-endurance hybrid UAV capability.

Note: This overview avoids public acquisition language and is designed for press-kit and partner-introduction use.