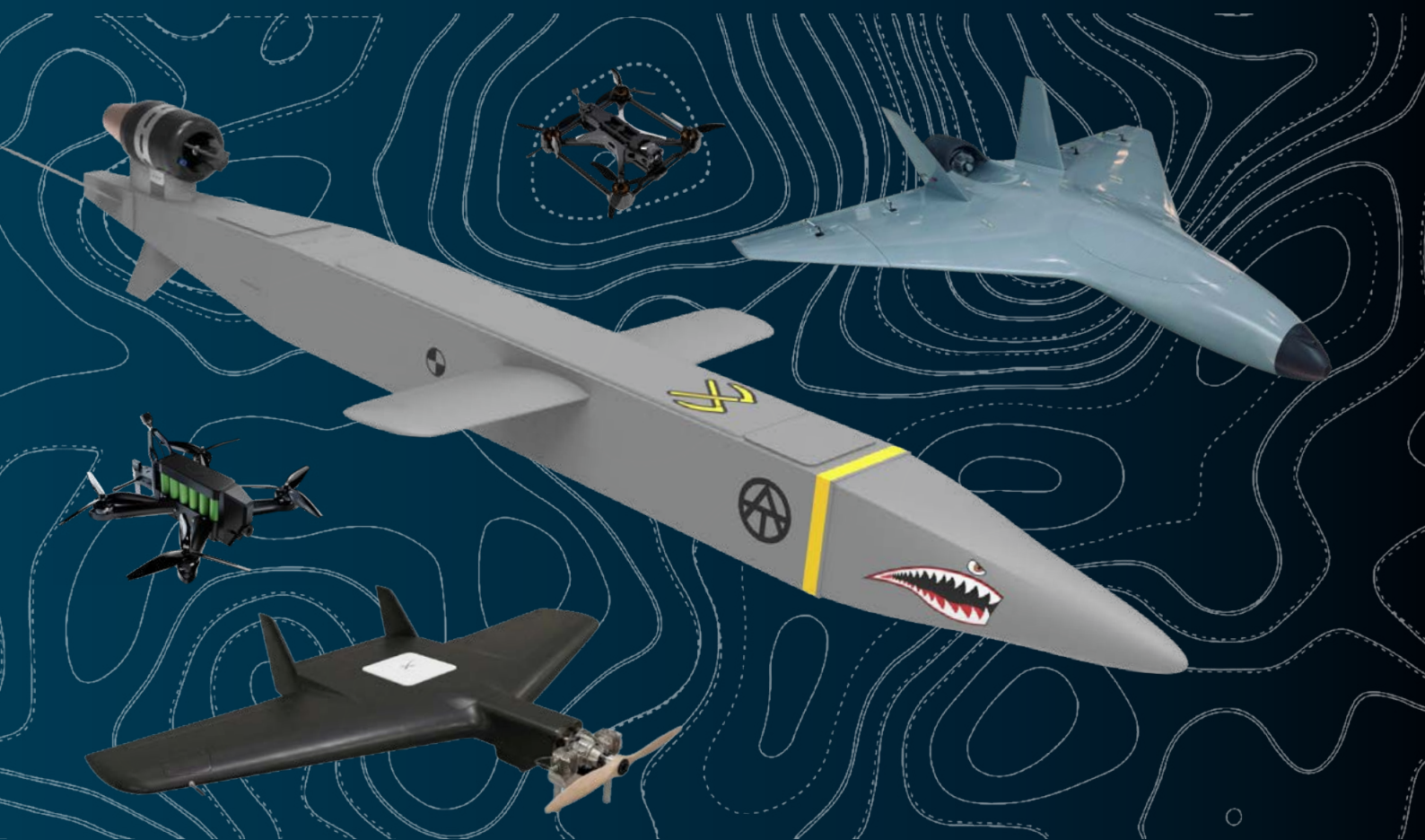


ADLER AEROSPACE



BATTLE-PROVEN
SOLUTIONS

PRODUCT LINEUP 2026



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The 2026 AdlerAerospace catalog showcases our most advanced and operationally proven portfolio to date—designed for modern battlefields, maritime security, border protection, and national-level defense programs. This year's lineup is built around three core pillars of capability. First, the **ATLAS Series**: a family of modular heavy-lift hybrid UAVs and their mission-specific variants, delivering long-range ISR, strike-delivery, EW shielding, UXO detection, swarm-deployment, and next-generation C-UAS hunting solutions. Second, the **STRK Series**, our expanding line of tactical loitering munitions and long-range strike platforms—from compact precision systems to strategic-range munitions—engineered for decisive effects across land, sea, and deep-target missions. Finally, our **Counter-UAS Systems**, including handheld, vehicle-mounted, and UAV-borne detection and interdiction technologies, provide layered defense against Group 1–3 threats. Together, these three families form an integrated ecosystem of aerial dominance for 2026 and beyond.

Atlas Series

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Atlas4

BEST IN CLASS HEAVY-LIFT HYBRID UAV



General Features

- » Robust carbon fibre frame
- » Payload agnostic
- » Folding arms
- » Multiple radio options
- » Rain and weather resistant
- » Dual RTK GNSS
- » Multi operator set up

Variants

- » "Storm" FPV Mothership
- » "Lift" Transport
- » "Shield" RF Jammer
- » "Commander" Relay

The Atlas4 is a compact heavy-lift hybrid multirotor built on the proven HD-408 architecture, upgraded and rebranded by Adler Aerospace for multi-role ISR, logistics, and utility missions. Powered by a 7 kW hybrid generator and an eight-motor propulsion system, Atlas4 delivers exceptional endurance and lift capacity—flying up to 3 hours with 8 kg or 30 minutes with 17 kg payload.

Its carbon-fiber airframe, folding arms, and weather-resistant construction provide durability for demanding field operations. Dual RTK GNSS, multiple radio options, and a multi-operator setup ensure mission flexibility across civilian and defense applications. The platform is fully payload-agnostic, supporting ISR sensors, mapping systems, cargo modules, and other mission kits via M6 mounting points and a universal power connector.

With 19 kg payload capacity, a 200-hour generator overhaul interval, and stable performance in winds up to 10 m/s, the Atlas4 offers a powerful combination of endurance, reliability, and lift performance. It serves as a versatile mid-class platform within the Adler Atlas series—ideal for customers requiring long-duration hybrid power in a smaller, highly maneuverable multirotor system.

Atlas4

BEST IN CLASS HEAVY-LIFT HYBRID UAV

5 Hours+ Max Endurance 25 Kilo Max Payload

- » Hybrid Gas-Electric System
- » Best-in-Class Payload Versatility
- » Longest Flight Time in its Class:

SPECIFICATIONS

DIMENSIONS

- » Width 1300 mm
- » Diagonal 1770 mm
- » Height of landing gear 150-500 mm

WEIGHTS

- » Maximum Take off weight 49 kg
- » Gross Payload 19 kg
- » Fuel Tank 15 L
- » Maximum fuel 11.7 kg

SYSTEM

- » Motors 8
- » Voltage 48 V
- » Generator Continuous Power ... 7000 W
- » Generator Time between overhauls 200 hours
- » Battery capacity 5 Ah
- » Battery only flight time at maximum payload 1.5 mins

PAYLOADS

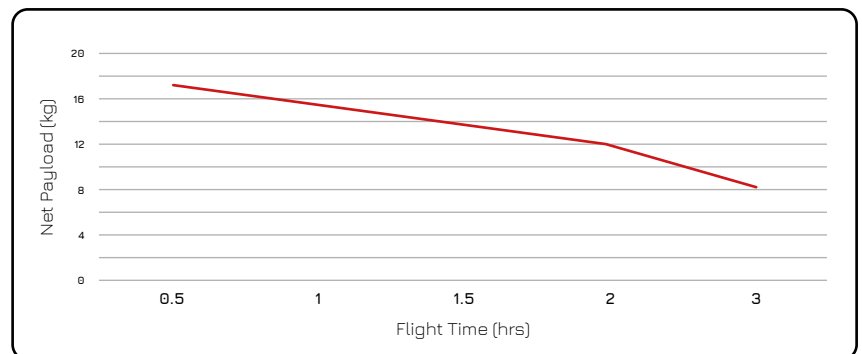
- » Payload Power 480 W
- » Connector Deutsch 4 pin
- » Payload fixing attachment M6 bolt

FLIGHT CHARACTERISTICS

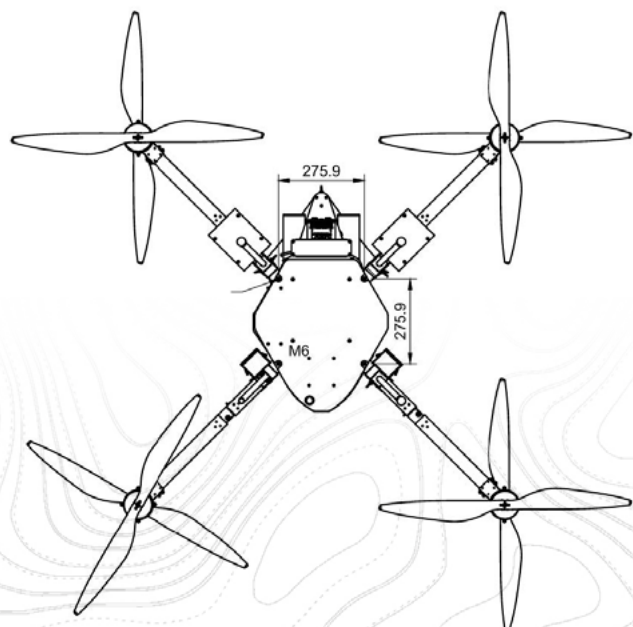
- » Maximum speed m/s - km/h - knts 15 - 54 - 29
- » Operating temperature -20 to +40 °C
- » Maximum wind speed 10 m/s



FLIGHT PERFORMANCE*



* provided as an estimate based on testing and a consumption of 3.5 kg per hour in ideal conditions
** test your flight time with your specific payload to be certain





Atlas6

BEST IN CLASS HEAVY-LIFT HYBRID UAV



Defense Configurations

- Uparmoured w/ ballistic Kevlar base and thermal shroud, selfsealing fuel tanks AI-Tactical Hub "Commander"
- ISR Interceptor EW Package-"Shield" Communications Relay
- Glide Bomb Launcher
- Fixed-Wing Strike Drone Launcher
- Anti-RF system- "Hunter"
- 12 FPV Mothership- "Storm"
- Anti-Aircraft Missile launcher
- Shaheed Hunter
- Grenade Launcher
- Pipe Bomber- Bunker Buster
- Remote Refuel System
- Thermite Dropper
- Laser Rangefinder or Target
- Designator HPM
- Mine-Layer
- Barrier Deployer
- Smoke Launcher
- Provision Hauler
- Water Tank Hauler
- Ammo Hauler
- Bulk Cargo Net

The Atlas6 Heavy Lift Drone is a cutting-edge hybrid UAV designed to push the boundaries of endurance, payload capacity, and operational versatility.

Engineered for precision, reliability, and adaptability, the Atlas6 is the ideal aerial platform for logistics, surveillance, search and rescue (SAR), counter-UAS operations, and military resupply missions. With multiple fuel tank configurations, an industry-leading payload system, and exceptional flight endurance, the Atlas6 stands out as the most advanced UAV in its category.

Atlas6 has been built from the ground up to maximize lift efficiency while maintaining exceptional range and stability. Whether carrying mission-critical cargo, advanced sensor systems, or counter-UAS technology, this UAV adapts to any scenario with precision.

Atlas6

BEST IN CLASS HEAVY-LIFT HYBRID UAV

10 Hours+ Max Endurance 50 Kilo Max Payload

- » Hybrid Gas-Electric System
- » Best-in-Class Payload Versatility
- » Longest Flight Time in its Class:



SPECIFICATIONS

AIRCRAFT

- » Configuration: **Multicopter-Hexacopter**
- » Frame: **Carbon fiber composite**
- » Dimensions Un-Folded:
260.6×113.7×138.4 cm (L×W×H)
- » Empty Weight **45.6 kg**
- » Weight with flight batteries **49 kg**
- » Weight with 11L fuel load **57 kg**
- » MTOW (fuel load + payload) **105 kg**
- » Maximum payload **56 kg**
- » Max payload w/ 11L fuel load **48 kg**
- » Modular Payload system
- » Fuel Tanks Options **6**
- » Tank Sizes **11L, 22L, 33L, 44L, 55L**
- » Ingress protection **IP35**
- » Connector Protection **IP67**
- » Rotors **6**
- » Rotor Diameter **42**
- » Blade Material **CFRP**
- » Max Operating Temp **-20° to +40° C**
- » Sound w/ max payload @ 500m .. **42 db**

AVIONICS & COMPUTATIONAL

- » Flight Controller Cubepilot
- » Flight Computer PX4 based
- » w/Secondary backup fully Redundant Systems
- » Stabilization Modes: Mission, stabilized, position hold ect.
- » Flight modes: Auto, loiter, altitude hold, RTH, land, guided (waypoints)
- » Onboard Processor Jetson Nano
- » Operating System Linux
- » Mission Planning Mavlink

FLIGHT PERFORMANCE (ISA DAY)

- » Max Airspeed **110 k/h (30.5 m/s)**
- » Cruise Airspeed **72 k/h (20 m/s)**
- » Ascent Rate - continuous **3 m/s**
- » Ascent Rate - peak **10 m/s**
- » Descent rate - continuous **2 m/s**
- » Descent rate - peak **5 m/s**
- » Max Horiz. Speed (SL, no wind) **21 m/s**
- » Max Cross-wind **15 m/s**
- » Max Pitch Angle **35°**
- » Max Altitude with 11L fuel tank/
no Payload **4300 m ASL**
- » Max Altitude with 11L fuel tank/
max Payload **3000 m ASL**
- » Operational Altitude **500 m ASL**
- » Max Take Off altitude **3000 m ASL**
- » Max flight time (ISA day, cruise speed,
normal operating height) with 8 kg payload,
55L fuel load: **9 hrs. 54 min (no reserve)**
- » Max flight time (ISA day, cruise speed,
normal operating height) with 50kg
payload, 11L fuel load: **42 min (no reserve)**
- » Max flight range (ISA day, cruise speed,
normal operating height) with 8 kg payload,
55L Fuel load **700 km**
- » Max flight range (ISA day, cruise speed,
normal operating height) with 50 kg
payload, 11L fuel tank **36 km**
- » Thrust to weight ratio **2:1** at max payload
- » Wind speed limits **15 m/s**
- » Precip limits **waterproof in light precip**

NAVIGATION

- » Magnetometer
- » Airspeed Sensors
- » LIDAR Altimeter\
- » Visual Positioning System
- » RTK, Anti-Jamming GNSS
- » Inertial Navigation System (INS)

POWERPLANT

- » Engines **2**
- » Displacement **125 cc**
- » Configuration **2-Stroke Boxer**
- » Max RPM **8300**
- » Nominal RPM **7200**
- » HP **12**
- » Cooling **Liquid cooled**
- » Fuel regulation **EFI**
- » Fuel **95 petrol + 2T oil mix (4%)**
- » Fuel Consumption at TO, 50kg
payload, 11L fuel **14 l/h**
- » Fuel Consumption at cruise speed,
25kg payload, 10L fuel **9 l/h**
- » Fuel Consumption at hover, 10kg
payload, 10L fuel **5 l/h**

ELECTRICAL

- » Generators **2**
- » Peak Watts **7000 watts**
- » Peak amps **144 Amps**
- » Nominal voltage **44.4-49.5V**
- » Batteries **4**
- » Configuration **Li Po 12s**
- » Nominal capacity **5000 mAh**
- » Continuous current **500A**
- » Motors **6**
- » Max watts per motor **5700**

COMMS

- » GCS open architecture
- » RF Telemetry/ Video: Silvus, DTC, Radrinor, Creo, Persistent and other encrypted software defined
- » Data Link Redundancy
- » Starlink/ Satellite Link Integration
- » Mobile network - LTE modems
- » Fiber-optic



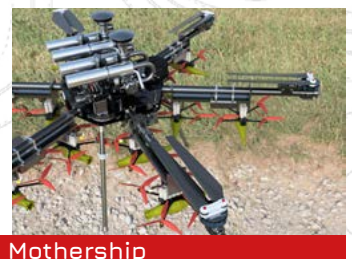
Jammer "Shield"



Glide Bomber



"Storm" FPV Mothership

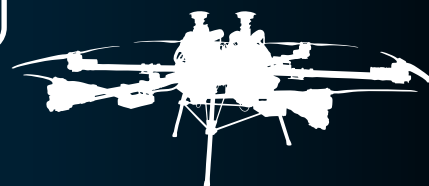




Atlas6

Defense
Configurations

BEST IN CLASS HEAVY-LIFT HYBRID UAV



"Commander" AI-Tactical Hub

OVES flight control and Atlas6 Shield's layered RF detection, EW jamming, and kinetic interception, this system offers unprecedented real-time threat analysis, precision engagement, and electromagnetic domain dominance along with up-armoured with ballistic Kevlar base and thermal shroud, self-sealing fuel tanks.



"Shield" - ISR Interceptor EW Package

Outfitted with the powerful WaveShield RF Jamming System. This variant is designed to disrupt, deny, or deceive enemy communications and control systems, making it a critical asset in contested airspace and electronic battlespaces.



"Storm" - 12 FPV Mothership

Designed to serve as an airborne launch and coordination hub for up to 12 FPV kamikaze drones. Developed for high-impact offensive operations and tactical drone warfare, this variant gives field commanders a mobile, flexible, and low-risk solution for delivering precision strikes deep into contested environments.



Glide Bomb Launcher

Designed to deploy a single GBU-39 Small Diameter Bomb (SDB)—a 50 kg class guided glide munition.



Grenade Launcher

Designed to deploy smoke bombs, flashbangs, tear gas, or fragmentation grenades with precision from the air.



Atlas6

BEST IN CLASS HEAVY-LIFT HYBRID UAV

10 Hours+
Max Endurance
50 Kilo Max Payload

- » Hybrid Gas-Electric System
- » Best-in-Class Payload Versatility
- » Longest Flight Time in its Class:



Unmatched Endurance,
Payload, and Versatility

- » High Power Microwave
- » Mine-Layer
- » Thermite Dropper
- » Laser Target Designator



- » Ammo Hauler
- » Barrier Deployment
- » Communication Relay
- » Shaheed Hunter- AA



- » Water Tank Hauler
- » Bulk Cargo Net
- » Remote Refuel System
- » Provision Hauler
- » SAR



- » Fixed-Wing Strike Drone Launcher
- » Anti-RF system- "Hunter"
- » Pipe Bomber - Bunker Buster



ADLER AEROSPACE



Atlas6 Storm

Multi-FPV Strike & Intercept Variant

Atlas6
Hybrid UAV

+

Six MODUS
FPV Drones



Key Features

- Six MODUS FPV Drones mounted on dedicated release rails
- Long-range FPV projection (25-60 km air-launched)
- Persistent Patrol / CAP with 8-12 hr endurance
- RF Detection Module for ISR/FPV/UAS operator hunting
- Modular payload compatibility (HE, HEAT-AT, EFP, ISR, Thermobaric)
- Simultaneous or sequential deployment of FPVs
- VTOL autonomous operations
- Expeditionary & low-maintenance platform

The ATLAS6 STORM configuration combines the long-endurance Atlas6 heavy-lift hybrid UAV with six (6) integrated MODUS FPV drones mounted on reinforced release rails. This variant enables long-range precision strike, airborne patrol-intercept, and distributed multi-target engagement.

Atlas6 transports the FPVs to remote areas, maintains persistent loiter for hours, and deploys each FPV individually for strike, ISR, or intercept missions. Integrated RF detection supports FPV/ISR drone hunting and operator identification.

Atlas6 Storm

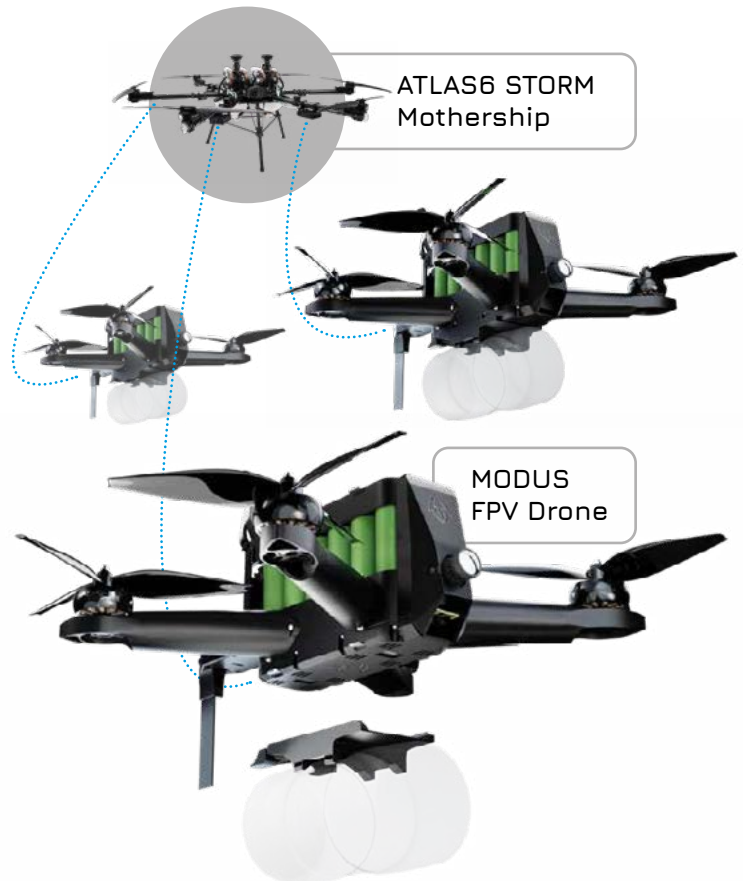
Multi-FPV Strike & Intercept Variant

The ATLAS6 STORM variant creates a hybrid concept: a heavy-lift UAV functioning as an airborne carrier, extending the reach, survivability, and effectiveness of modern FPV strike drones.

With six independently deployable FPVs and long endurance, STORM is the ideal platform for precision strike, anti-UAS interception, ISR support, and distributed lethality across modern battlefields.

USE-CASE ADVANTAGES

- » Extends FPV strike envelope 4× beyond ground-launched capability
- » Enables multi-target engagement in one sortie
- » Provides airborne FPV interception at altitude
- » Supports persistent overwatch prior to FPV release
- » Enhances lethality without additional personnel or ground infrastructure
- » Fully modular; integrates with existing Atlas6 mission kits



SPECIFICATIONS

ATLAS6 PLATFORM

- » Endurance 8–12 hours
- » Payload Capacity 50+ kg
- » Propulsion Hybrid-electric
- » Fuel Tank Options 11–55 L modular
- » Cruise Speed 70–90 km/h
- » Operational Radius 150–250 km
- » MTOW (variant dependent) 95–120 kg
- » Navigation GNSS + RTK + onboard AI
- » Comms Encrypted digital, optional LTE/Mesh/SATCOM
- » Launch/Land Fully autonomous VTOL

MODUS FPV DRONE

- » Speed 120–160 km/h
- » Range (Ground Launch) 8–15 km
- » Range (Air Launch) 25–60+ km
- » Flight Time 20–25 min
- » Weight (variant dependent) 3–4 kg
- » Payload Options HE, HEAT-AT, EFP, Thermobaric, ISR EO/IR
- » Guidance Encrypted FPV + optional AI assist

STORM INTEGRATION PACKAGE

- » Mounting System Six-unit carbon composite FPV rails
- » Release Mechanism Smart servo-actuated, redundant locking
- » Control Integration Unified C2 for Atlas + MODUS
- » Power Options Passive or active in-flight charging (optional)
- » Sensor Integration RF detection module + compatibility for EO/IR gimbals
- » Data Logging Mission recorder with export-ready telemetry

OPTIONAL ADD-ONS

- » EO/IR gimbal package
- » Extended-range command link
- » Vehicle-mounted WaveShield EW support
- » SATCOM relay kit
- » Hardened military transit case set

SYSTEM COMPONENTS

- » Atlas6 Hybrid UAV (Storm-configured)
- » Six MODUS Strike/ISR FPV Drones
- » 6-Rail FPV Mounting & Release System
- » RF Detection & Threat Tracking Module
- » Operator Ground Control System (GCS)
- » Mission Planner Software
- » Spare Parts & Tooling Kit

MISSION PROFILES

- » Long-Range Precision Strike
- » Patrol Intercept (FPV-CAP)
- » UAS / FPV / ISR Hunter-Killer
- » Distributed Effects Delivery





Atlas6 ATEP

Autonomous Airborne C-UAS Interceptor

The future of airborne
anti-drone defense.



The Atlas6 ATEP is a next-generation airborne Counter-UAS hunter-killer platform, combining the long-endurance, heavy-lift Atlas6 hybrid UAV with the fully autonomous ATEP-556 targeting and engagement system. Equipped with a multi-layer sensor suite—including radar, EO/IR, RF detection, and AI-driven target classification—Atlas6 ATEP can independently detect, track, and neutralize FPVs, Group 1-3 UAVs, and loitering munitions.

Powered by the Navy-certified AimLock CTM and a stabilized XM556 micro-Gatling turret, Atlas6 ATEP delivers unmatched speed, precision, and situational dominance in the modern drone battlespace. With flight endurance up to 10+ hours, high payload capacity, and full autonomous engagement capabilities, Atlas6 ATEP provides persistent overwatch, rapid intercept, and decisive kinetic defeat—anytime, anywhere.

The Atlas6 ATEP is an advanced C-UAS variant of the Atlas6 heavy-lift hybrid UAV, built around the proven Atlas6 airframe and enhanced with a fully integrated ATEP-556 autonomous engagement turret. Based on the Atlas6's exceptional endurance (10+ hours), high payload (50–56 kg), modular sensor architecture, and ISR/EW/Interceptor heritage, the Atlas6 ATEP becomes a long-endurance aerial hunter-killer designed to autonomously detect, track, classify, intercept, and defeat enemy drones of all types.

MISSION ROLE: AUTONOMOUS UAV HUNTER-KILLER

The Atlas6 ATEP provides persistent airborne interception, combining:

- Detection (Long-Range)
- RF detection + triangulation finds active FPVs and control links early.
- Radar identifies non-emitting aircraft and tracks maneuvering targets.
- EO/IR confirms targets, classification, and nighttime/thermal ID.

Key Advantages

- » **Persistent airborne C-UAS capability**
Most C-UAS systems are ground-based; Atlas6 ATEP delivers airborne patrol + intercept, massively extending detection and engagement range.
- » **Autonomous engagement**
AimLock CTM handles all targeting math, reducing operator load.
- » **High-density kinetic defeat**
XM556 microgun provides massive volume of fire without excessive weight.
- » **Multi-layered sensor fusion**
Radar + EO/IR + RF + AI ensures accuracy even against small FPVs.
- » **High mobility & survivability**
Atlas6 hybrid propulsion ensures long endurance, fast repositioning, and redundancy.
- » **Modular for future payloads**
Can integrate jammers (WaveShield), proximity munitions, or interception drones.



This variant merges:

- » **Atlas6 Heavy-Lift Hybrid UAV**
 - 10+ hour max endurance, 50 kg payload, 700 km range, hybrid gas-electric powertrain
 - Combat-proven defense configurations: ISR, EW, kinetic, strike, FPV mothership, hunter variants
- » **ATEP-556 Autonomous Weapon System**
 - AimLock CTM targeting computer (TRL9, Navy-certified)
 - Stabilized pan-tilt gimbal
 - XM556 micro-Gatling gun (5.56 mm, 2,000-6,000+ rpm)
 - Automated detection, tracking, and engagement
- » **Multilayer Sensor Fusion Suite**
 - AESA / doppler micro-radar
 - EO/IR thermal gimbal
 - RF detection + bearings + link-analysis
 - GNSS-jamming detection + emitter geolocation
 - Onboard AI/ML target classifier

Together, these capabilities turn the Atlas6 ATEP into a persistent autonomous airborne C-UAS platform capable of autonomously hunting and neutralizing:

- » FPV drones
- » Group 1 & 2 UAVs
- » Larger Group 3 UAVs
- » Loitering munitions
- » Recon quadcopters
- » Fixed-wing small UAS
- » Swarming threats

Tracking & Target Lock

Using AimLock's CTM (TRL9, fully certified targeting module), Atlas6 achieves:

- » Continuous auto-tracking of fast, maneuvering drones
- » Lead-angle prediction
- » AI-based target profile analysis
- » Network-enabled cooperative targeting

Intercept + Engagement

The ATEP-556 turret provides:

- » High-speed slew & stabilization
- » Ultra-high-density fire bursts from XM556 microgun
- » Autonomous, semi-autonomous, or man-on-the-loop engagement modes
- » Effective range envelope tailored to Group 1-3 UAS threats

Post-Engagement Return & Redeploy

- » Atlas6 returns to base with hybrid propulsion ensuring redundant safety and long-distance recovery.

System Integration

The Atlas6 ATEP integrates the full ATEP weapon stack:

ATEP-556 WEAPON MODULE

- » **XM556 Microgun**
 - 5.56 NATO
 - ~16 lb weapon mass
 - 2,000-6,000+ rpm
 - o Electrically driven
- » **Autonomous Stabilized Turret**
 - High-speed pan-tilt
 - Vibration-compensated
 - Compatible with airborne recoil profiles
- » **AimLock CTM Targeting Module**
 - Xilinx Ultrascale+
 - TRL9 (combat verified)
 - Navy, OJAG, NSWC certified
 - 20-52 VDC, 12-30W
 - Auto-detect / auto-track / auto-align

AIRFRAME

Heavy-Lift Hybrid Endurance

- » 10 hours+ flight endurance with lighter payloads
- » Up to 50+ kg payload capacity for sensors, weapons, and EW packages
- » 700 km range with large fuel tanks

Battle-Ready Construction

- » Up-armoured Kevlar base
- » Thermal shrouding
- » Self-sealing fuel tanks

Sensor & Payload Modularity

Atlas6 supports:

- » EO/IR gimbals
- » Radars
- » EW / RF detectors
- » LIDAR

Flight Performance for Interceptor Missions

- » Max airspeed: 110 km/h
- » Rapid climb/descent (10 m/s peak climb)
- » Operational altitude up to 500 m ASL
- » Thrust-to-weight ratio: 2:1





Atlas ISR-180

MULTI-MISSION EO/IR SURVEILLANCE SYSTEM



Key Capabilities:

- **Long-Range Sensing:** Human detection to 8.6 km, vehicle detection to 12.4 km
- **High-Precision Imaging:** 1080p EO + MWIR thermal with $<50 \mu\text{Rad}$ stabilization for clear imagery at extreme distances
- **Accurate Targeting:** Integrated GPS/INS + LRF for real-time GEO/MGRS target coordinates
- **Persistent Endurance:** Up to 10+ hours flight time with hybrid propulsion
- **Multi-Domain Operations:** Border surveillance, coastal monitoring, SAR, disaster response, tactical overwatch, artillery adjustment
- **All-Weather, Rugged:** IP64 gimbal, IP35 UAV, fully sealed and optimized for harsh environments
- This configuration transforms Atlas6 into a precision ISR asset capable of delivering actionable intelligence across land, sea, and complex operational environments.

The Atlas6 ISR-180 is a next-generation aerial intelligence platform that merges the endurance, payload capacity, and operational resilience of the Atlas6 hybrid heavy-lift UAV with the exceptional long-range imaging and stabilization capabilities of the Octopus ISR Systems Epsilon 180 EO/IR gimbal.

This integration creates a high-precision ISR solution capable of persistent surveillance, day/night reconnaissance, border and coastal monitoring, maritime patrol, SAR, and wide-area tactical overwatch.

With 10+ hours endurance, 50+ kg payload capacity, hybrid propulsion, and a military-grade EO+MWIR sensor suite, the Atlas6 ISR-180 provides actionable intelligence across land, sea, and urban environments—regardless of weather, visibility, or operational complexity.

Atlas ISR-180

MULTI-MISSION EO/IR SURVEILLANCE SYSTEM

Core System Advantages

Exceptional Long-Range EO/IR Imaging

The onboard Epsilon 180 provides unmatched sensor performance for a gimbal in its size and class:

- » Full-HD EO camera with 67× optical zoom, 4× digital zoom
- » MWIR cooled thermal imager with 15× continuous optical zoom (18–275 mm)
- » High-stability direct-drive motors with <50 µRad RMS stabilization
- » Integrated LRF with up to 15 km range (static), 10 km (dynamic)

This allows the Atlas6 ISR-180 to positively detect, recognize, and identify targets far beyond the reach of typical tactical UAVs.

Heavy-Lift Hybrid Endurance

- » 10+ hours max endurance
- » 700 km range (light payload, 55L fuel)
- » Up to 50 kg mission payload
- » Exceptional stability for ISR missions

Even with the Epsilon 180 and auxiliary mission equipment, Atlas6 retains industry-leading flight times for persistent intelligence gathering and wide-area surveillance.

Geo-Precision Targeting

- » The Epsilon 180 integrates a tightly coupled GPS/INS, enabling:
- » Live geo-pointing
- » Precise target coordinates (GEO/MGRS)
- » Accurate slant-range calculations

This transforms each ISR mission into an intelligence product with precise, actionable location data.

Rugged, All-Weather ISR

- » IP64 sealed gimbal
- » IP35 UAV airframe with IP67 connectors
- » Operational temperatures from -40°C to +55°C (gimbal)

The Atlas6 ISR-180 maintains performance in extreme climates—including desert heat, freezing tundra, maritime salt environments, and high-altitude conditions.

Target Detection

Human Target

Detection:
8,600 m
Recognition:
2,900 m
Identification:
1,400 m

NATO Vehicle

Detection:
12,400 m
Recognition:
7,000 m
Identification:
3,500 m

EO Camera

- » 1080p Global Shutter
- » 56.6° wide FOV to 2.2° narrow FOV
- » Combined EO/IR picture-in-picture, continuous optical zoom
- » H.264 digital video, MISB-compliant metadata

Laser Range Finder

- » 15 km max range (static)
- » 10 km (dynamic)
- » ±1.5 m accuracy

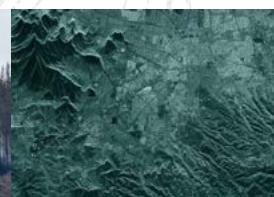
This level of sensing allows Atlas6 ISR-180 to conduct wide-area searches, identify persons or vehicles at long standoff distances, and deliver precise coordinates for interdiction or rescue.

Connectivity

- » Compatible with Silvus, DTC, Radior, Persistent Systems, etc.
- » LTE, SatCom, fiber, Starlink integration

Mission Use Cases

- » Border & Perimeter Surveillance
- » Maritime & Coastal Patrol
- » Search & Rescue (SAR)
- » Military Reconnaissance / Target Acquisition
- » Disaster Response & Environmental Monitoring
- » Urban Law-Enforcement & Tactical Support

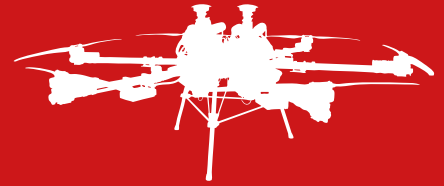




Atlas6

F1MAG

ASW and opensea naval UXO detection



**Ukrainian
Naval Forces**



With **Atlas6** and this high-speed open-sea **F1Mag** payload, it can scan an area of **30-40 ha/hour** for naval mines. With **5-7 hours flight time**, that is about **150-280 ha in one flight!** And they can fly **10-20km out**.

Atlas6 Platform

The Atlas6 Heavy Lift Drone is a cutting-edge hybrid UAV designed to push the boundaries of endurance, payload capacity, and operational versatility.

Engineered for precision, reliability, and adaptability, the Atlas6 is the ideal aerial platform for UXO detection. With multiple fuel tank configurations, an industry-leading payload system, and exceptional flight endurance, the Atlas6 stands out as the most advanced UAV in its category.

Atlas6 has been built from the ground up to maximize lift efficiency while maintaining exceptional range and stability. Whether carrying mission-critical cargo, advanced sensor systems, or counter-UAS technology, this UAV adapts to any scenario with precision.

UMagMission is our End-to-End Operation software for the V2Mag.

UMagMission gives you a single-point-of-access to the entire Drone Magnetic operation.

- » Weather resistant
- » Deployable from ship
- » Real-time target data
- » Long-range radio link
- » Submarine detection at minimum 200m depth
- » UMag picoFiRe® Quantum Technology
- » High-speed
- » Operational anywhere in the world
- » STANAG 4817 compliant
- » Drone agnostic Fits on any drone platform
- » 10 hours continuous operations



F1Mag Specifications

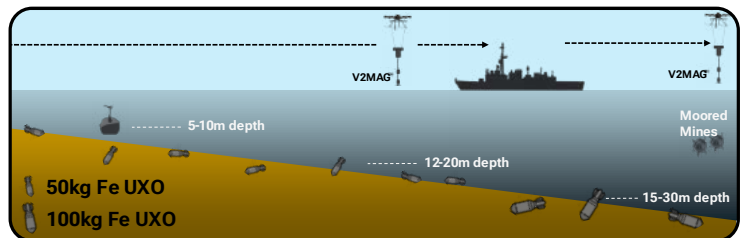
TECHNICAL

- » Cm-level Positioning, GNSS Jamming/Spoofing Resilience
- » UMag picoFiRe® Quantum Sensor Technology
- » Encrypted Long-range Radio Link
- » 2.5kg Total Weight | Stand-alone Payload



OPERATIONAL

- » Coverage: Open-sea MCM 30-60 ha/hour
ASW 350-500 ha/hour
- » Layman applicable
- » Weather: Wind: 12-15 m/s (18 m/s gusts)
Temperature: -15°C to +40°C
Max Precipitation: 20 mm/h
- » Survey Speed: 10-35 m/s
- » Deployable from Ship and land



Atlas6 Specifications

AIRCRAFT

- » Configuration: **Multicopter-Hexacopter**
- » Frame: **Carbon fiber composite**
- » Dimensions Un-Folded:
260.6×113.7×138.4 cm (L×W×H)
- » Empty Weight 45.6 kg
- » Weight with flight batteries 49 kg
- » Weight with 11L fuel load 57 kg
- » MTOW (fuel load + payload) 105 kg
- » Maximum payload 56 kg
- » Max payload w/ 11L fuel load 48 kg
- » Modular Payload system
- » Fuel Tanks Options 6
- » Tank Sizes 11L, 22L, 33L, 44L, 55L
- » Ingress protection IP35
- » Connector Protection IP67
- » Rotors 6
- » Rotor Diameter 42
- » Blade Material CFRP
- » Max Operating Temp -20° to +40° C
- » Sound w/ max payload @ 500m .. 42 db



COMMS

- » GCS open architecture
- » RF Telemetry/ Video: Silvus, DTC, Radior, Creo, Persistent and other encrypted software defined
- » Data Link Redundancy
- » Starlink/ Satellite Link Integration
- » Mobile network - LTE modems
- » Fiber-optic

NAVIGATION

- » Magnetometer
- » Airspeed Sensors
- » LIDAR Altimeter\
- » Visual Positioning System
- » RTK, Anti-Jamming GNSS
- » Inertial Navigation System (INS)

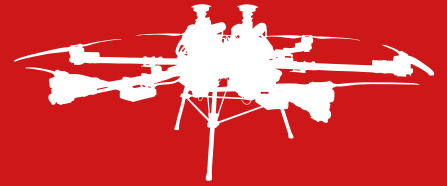
ADLER AEROSPACE



Atlas6

V2MAG

Land- and Naval UXO Detection



**Ukrainian
Naval Forces**



With unbeatable sensitivity and real-time data, the V2Mag is the most trusted Drone Magnetic solution for Land- and Naval UXO Detection.

Atlas6 Platform

The Atlas6 Heavy Lift Drone is a cutting-edge hybrid UAV designed to push the boundaries of endurance, payload capacity, and operational versatility.

Engineered for precision, reliability, and adaptability, the Atlas6 is the ideal aerial platform for UXO detection. With multiple fuel tank configurations, an industry-leading payload system, and exceptional flight endurance, the Atlas6 stands out as the most advanced UAV in its category.

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Atlas6 V2MAG

Land- and Naval UXO Detection

UMagMission is our End-to-End Operation software for the V2Mag.

UMagMission gives you a single-point-of-access to the entire Drone Magnetic operation.

- » Real-time data
- » Battery hot swap for full day operations
- » 5 cm real-time GNSS positional accuracy
- » World record-low noise level
- » Weather resistant
- » Patented design
- » Dual quantum sensor setup
- » Operational anywhere in the world
- » NATO STANAG compliant
- » Battle-proven since 2023
- » Validated in +150 commercial UXO



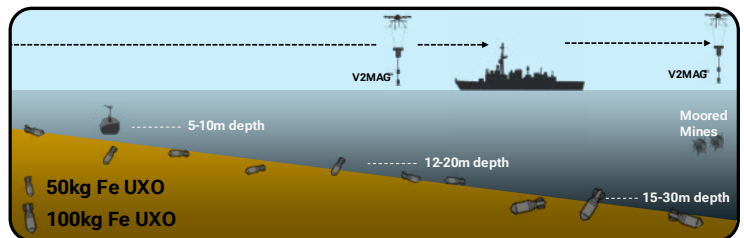
V2Mag Specifications

TECHNICAL

- » Centimeter-level Positioning: GNSS Jamm/Spoof Resilience
- » Dual Quantum Sensor Technology
- » 0.01 nanoTesla peak-to-peak Dynamic Noise in Raw Data
- » 0.01 nanoTesla Heading Error in Raw Data
- » Long-range Radio Link for Real-time Data Transfer

OPERATIONAL

- » Layman applicable
- » Survey Speed: 0.5-8 m/s
- » Weather: Wind: 10-12 m/s (15-17 m/s gusts)
Temperature: -10°C to +35°C
Max Precipitation: 10 mm/h
- » Coverage: Onshore 2-6 ha/hour
Offshore 8-12 ha/hour
- » Deployment: Onshore: All-terrain, incl Rivers and Lakes
Offshore: Coast, Harbors, Ice-covered waters



Atlas6 Specifications

AIRCRAFT

- » Configuration: **Multicopter-Hexacopter**
- » Frame: **Carbon fiber composite**
- » Dimensions Un-Folded: **260.6×113.7×138.4 cm (L×W×H)**
- » Empty Weight **45.6 kg**
- » Weight with flight batteries **49 kg**
- » Weight with 11L fuel load **57 kg**
- » MTOW (fuel load + payload) **105 kg**
- » Maximum payload **56 kg**
- » Max payload w/ 11L fuel load **48 kg**
- » Modular Payload system
- » Fuel Tanks Options **6**
- » Tank Sizes **11L, 22L, 33L, 44L, 55L**
- » Ingress protection **IP35**
- » Connector Protection **IP67**
- » Rotors **6**
- » Rotor Diameter **42**
- » Blade Material **CFRP**
- » Max Operating Temp **-20° to +40° C**
- » Sound w/ max payload @ 500m .. **42 db**



COMMS

- » GCS open architecture
- » RF Telemetry/ Video: Silvus, DTC, Radior, Creo, Persistent and other encrypted software defined
- » Data Link Redundancy
- » Starlink/ Satellite Link Integration
- » Mobile network - LTE modems
- » Fiber-optic

NAVIGATION

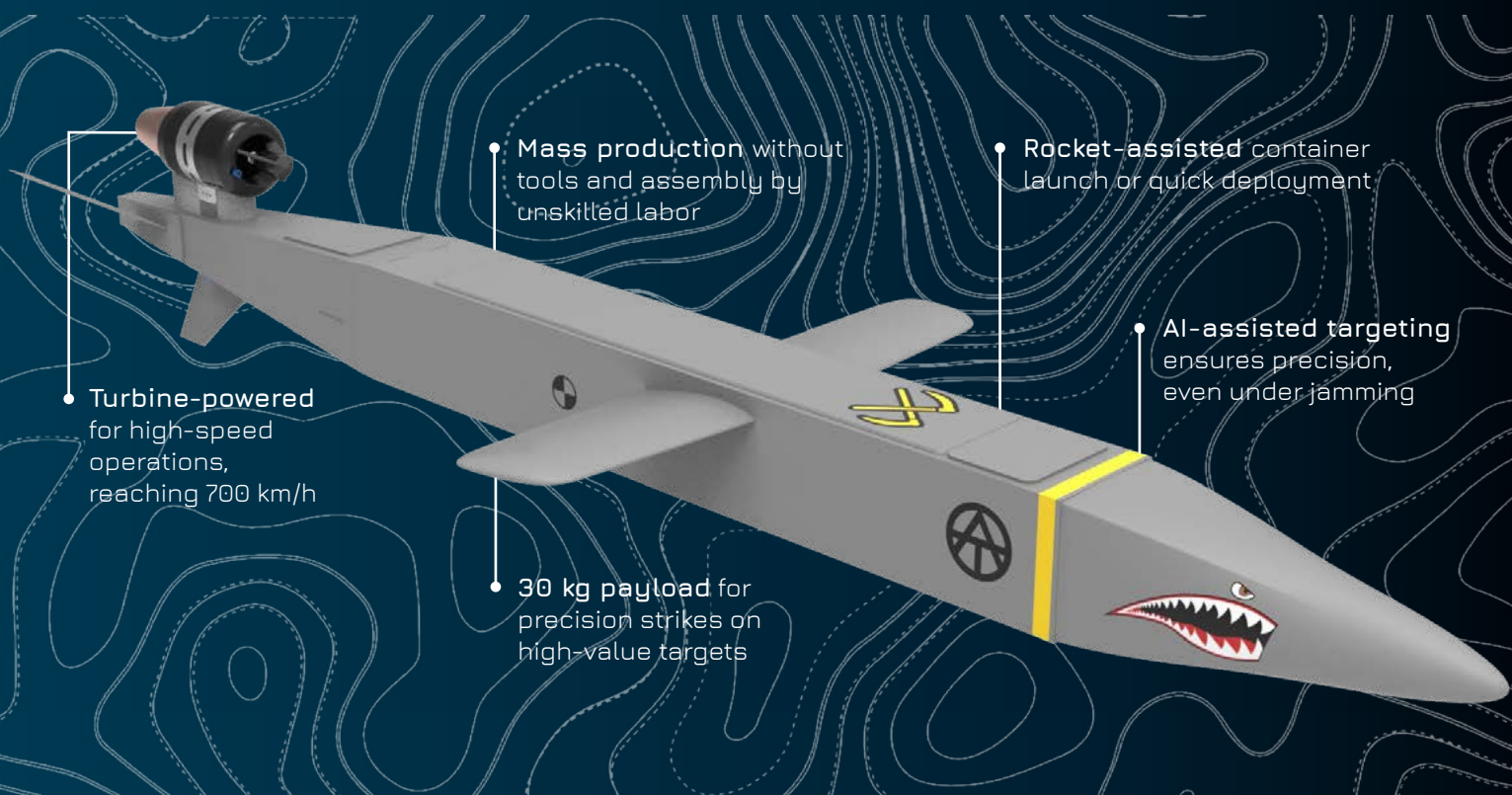
- » Magnetometer
- » Airspeed Sensors
- » LIDAR Altimeter\
- » Visual Positioning System
- » RTK, Anti-Jamming GNSS
- » Inertial Navigation System (INS)

ADLER AEROSPACE



STRK-500

BATTLE-PROVEN LONG DISTANCE STRIKE



The STRK-500J is a cruise missile designed for highspeed, long-range precision strikes. It can be deployed from ground, air, or naval platforms, utilizing AI-driven visual targeting for autonomous engagement.

Feature	Metric	Imperial
Wingspan	1 m	3.3 ft
MTOW	120 kg	265 lbs
Payload (warhead)	30 kg	66 lbs
Cruise speed	700 km/h	345 mph
Range	700 km	435 mi
Endurance	1 hour	

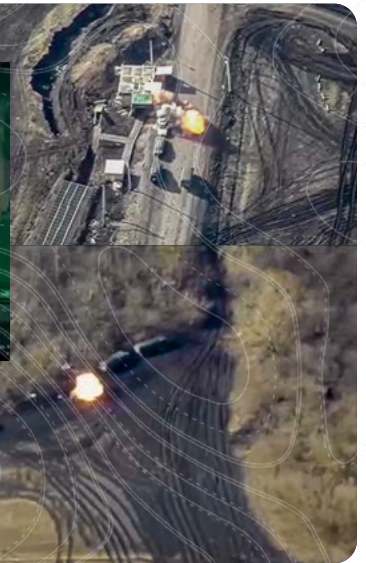
MISSION PLANNING SOFTWARE

Adler's One Way Attack platforms use ArduPilot Mission Planner, a widely recognized and open-source mission planner, making it extremely easy to use and integrate.

- » Intuitive & User-Friendly Interface
- » Seamless Integration
- » Fire-and-Forget Capability
- » Real-Time Adjustments

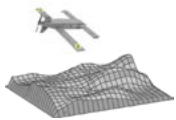


Designed for
precision,
affordability,
and simplicity



The basic configuration integrates advanced visual positioning for precision navigation in GPS-denied environments and visual targeting for tracking moving targets under jamming. It is complemented by a GPS module for reliable multi-constellation support in contested areas. These solutions are affordable and can be mass produced without supply chain delays.

Basic



SOVEREIGN Visual positioning

Visual positioning ensure precision in a jammed environment and operational effectiveness.



LEGION Visual targeting

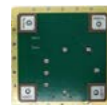
Visual targeting solution that allows tracking of moving targets under jamming. This is currently being integrated for autonomous targeting.



GPS Module

A GPS module enhances provides precise positioning even in contested environments.

Advanced



4 Array CRPA

Provides robust anti-jamming capabilities for reliable navigation and targeting in contested environments.



Visual nav and targeting

Visual targeting solution that allows tracking of moving targets under jamming.

EASY TRANSPORTATION

A fully assembled STRK-500 can be:

- Stacked in a standard shipping container
- Fit onto a trailer in both orientations
- Driven down a road on top of a vehicle without obstructing oncoming traffic

TRAINING 2 weeks course including practical and hands-on training

DEPLOYMENT TIME Deployment assembly is optimized for rapid readiness in the field, ensuring the process is completed within 20 minutes to avoid counter-battery engagement.





STRK-1000

Strategic Precision Loitering Strike System



The STRK-1000 is a strategic loitering strike system (one-way or expendable UAV) designed for long-range precision strike and saturation attack missions. Drawing on the proven architecture of the Shahed-136 class drone, the STRK-1000 has been upgraded – incorporating improved range, speed, precision guidance, modular warhead payloads, and deployment logistics.

MISSION PLANNING SOFTWARE

Adler's One Way Attack platforms use ArduPilot Mission Planner, a widely recognized and open-source mission planner, making it extremely easy to use and integrate.

- » Intuitive & User-Friendly Interface
- » Seamless Integration
- » Fire-and-Forget Capability
- » Real-Time Adjustments



STRK-1000

Strategic Precision Loitering Strike System

- Delta wing configuration with stabilizing wing-tip fins/endplates
- Rear-mounted pusher propeller engine but upgraded for higher reliability and desert operations.
- Optimised for low-altitude, terrain-hugging flight profile to evade radar detection and simplify sensor suite.
- Modular construction employing CNC-cut composite and aluminium parts for easy use.
- Launch rail / containerised launcher build enables rapid deployment, minimal runway.

MISSION ROLE & USE CASES

- **Deep interdiction & precision strike:** Engage strategic infrastructure, air-defence radars, missile sites, logistic hubs at extended standoff ranges.
- **Swarm saturation operations:** Launch large numbers of STRK-1500 units to overwhelm air-defences and achieve mass-effect.
- **Loitering/armed reconnaissance:** Employed as a loitering munition, able to orbit until target identified, then strike.
- **Maritime interdiction:** Capable of targeting vessels, maritime radar stations, coastal installations.
- **Flexible forward-launcher deployment:** Road-mobile launch from trucks, containerised platforms, sea-based launch.

Feature	Metrics
Wingspan	2.0 m
MTOW	130 kg
Payload (warhead)	30 kg
Cruise Speed	185 km/h
Range	1000 km
Endurance	5 hours



DEPLOYED BY ROCKET ASSIST
FROM CONCEALED CONTAINERS,
NO RUNWAY REQUIRED





BONESAW-480

Long-Range Precision Strike UAV (Deep Strike / OWA Class)

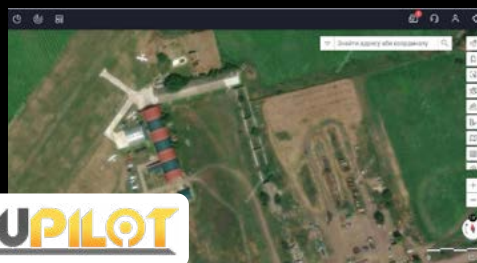


The BONESAW-480™ is a combat-proven, long-range one-way attack UAV engineered for precision deep-strike missions in contested and GPS-denied environments. Designed around modern distributed warfare doctrine, BONESAW-480 combines high-accuracy terminal effects, resilient navigation, and mass-producible architecture to deliver scalable strike capability across operational depths out to 480 km.

MISSION PLANNING SOFTWARE

Adler's One Way Attack platforms use ArduPilot Mission Planner, a widely recognized and open-source mission planner, making it extremely easy to use and integrate.

- » Intuitive & User-Friendly Interface
- » Seamless Integration
- » Fire-and-Forget Capability
- » Real-Time Adjustments



Optimized for industrialized production and rapid fielding, the system is built using a simplified manufacturing approach that enables high-volume output with minimal tooling and low-skill assembly, making it ideal for sustained operations and attrition-based campaigns.

At the core of the platform is a fixed-wing, puller-prop configuration, providing enhanced aerodynamic stability and sub-meter class terminal accuracy during high-speed dive engagement. The aircraft cruises efficiently at low altitude to minimize detection, while maintaining sufficient endurance for long-range ingress, loiter, and dynamic retasking.

Feature	Metrics
Operational Range:	up to 480 km
Endurance:	up to 3.5 hours
Cruise Speed:	~140 km/h
Terminal Speed:	~200+ km/h (dive phase)
Payload Capacity:	~9 kg
Maximum Takeoff Weight:	~42.5 kg
Wingspan:	~2.5 m

Key Features

- Precision Terminal Strike: Stabilized airframe with high-speed dive for sub-meter impact accuracy
- EW-Resilient Navigation: GNSS + AI terrain navigation + SATCOM-enabled control
- Deep Strike Capability: Effective engagement across 300–500 km operational depth
- Runway-Independent Launch: Rail or assisted launch from concealed positions
- Mass-Production Optimized: Tool-less manufacturing, scalable output
- Combat-Proven Architecture: Derived from operationally validated UAV strike concepts

Operational Role

BONESAW-480 is ideally suited for:

- Deep strike and interdiction missions
- Distributed saturation attacks
- Persistent pressure on rear-area infrastructure
- Layered strike operations alongside ISR and FPV systems

Navigation Features

BONESAW-480 is equipped with a multi-layer navigation and control architecture, integrating:

- GNSS guidance for primary navigation
- AI-enabled terrain-referenced navigation for operation in jammed environments
- Beyond-line-of-sight (BLOS) communications capability (e.g., SATCOM integration) for mid-course updates and mission flexibility

Launch is conducted from expeditionary rail or assisted takeoff systems, requiring no runway infrastructure, enabling rapid deployment from dispersed or concealed forward positions.

BONESAW-480™ delivers precision, scale, and resilience—enabling modern forces to project lethal effects deep into contested environments.





BladeRanger

BATTLE-PROVEN ISR



Features and Benefits

- Optimal performance-to-platform size ratio
- Advanced stealth design and materials
- Radar invisibility
- Persistent ISR at mission radius of 30 km
- Battlefield proven EW Resistance
- Rugged for extended, reliable use in harsh environments
- Remotely piloted or autonomous
- Proven to over 200 Combat Missions per Unit

BladeRanger — the class-leading, battle-tested ISR (Intelligence, Surveillance, and Reconnaissance) UAV designed to redefine tactical operations. With its stealthy, low-profile design and proven resilience in the field, BladeRanger delivers unmatched situational awareness and operational versatility. Engineered for rapid deployment and rugged performance, this UAV excels in high-stakes environments, providing high-resolution day/night imaging and EW-resistant navigation, even in GNSS-denied spaces.

BladeRanger's extended range, endurance, and covert acoustic profile make it an invaluable asset for reconnaissance, target acquisition, and secure intelligence gathering. Equipped with advanced sensors and built for seamless integration with NATO systems, BladeRanger empowers operators with real-time intelligence in the most challenging missions. Whether deployed for counter-insurgency, tactical security, or ISR support, BladeRanger stands as the elite choice for professionals who demand reliability, precision, and the power to stay one step ahead.

- » Small size, lightweight & hand-launched
- » Autonomous navigation & autoland
- » Rugged for extended, reliable use in harsh environments
- » Delivers realtime situational awareness
- » Increases combat effectiveness and force protection



SPECIFICATIONS

AIRCRAFT

- » 120 minute flight
- » 100-120 km Route Length
- » 65 km/h cruise speed
- » 115 km/h max speed
- » Operating altitude 200-600m
- » 10,000 ft flight ceiling
- » <10 dBA at 120 meter range
- » Not visible at 100 meters seen against terrain - small visual cross section in flight
- » Very low Radar cross section
- » Operational in 14 m/s wind @ takeoff
- » -20 to 49 C operational temp range
- » Redundant systems
- » Weatherized

PORTABILITY

- » Deployable within five minutes
- » Two person team
- » IP67 waterproof field case
- » Withstands 90 kg crush and 1m drop in case
- » 1 kg/ 2300 cm³ packed in field case
- » Watertight, dust-proof, dent-proof transport case, with hasps and foam-lined interior
- » 2 Man-portable including ground stations and antenna
- » Small HMI Footprint

SECURITY

- » 256-bit Advanced Encryption Standards (AES)
- » Proprietary signal hopping
- » NDAA compliant
- » Sourced and built in USA

COMMUNICATIONS

- » One way digital video sys range > 35 km (video link)
- » Protected analog video signal
- » UHF pprf range radio > 500 mHz (telemetry)
- » Manual Flight path correction with video link and ArduPilot Mission Planner
- » Ardupilot Mission Planner with customized firmware

EW RESISTANT

- » Fully functional in GNSS denied space
- » MEMC (Motion Estimation, Motion Compensation) Inertial navigation system w/ double set of sensors, gyroscopes, barometers, magnetic compass
- » Visual navigation
- » GNSS w/ response to spoofing

CAMERAS

- » Digital (main) RunCam WiFiLink2 (Based on OpenIPC) IMX415, 60° lens, 1/2.8 sensor size
- » Gyro stabilized main camera
- » Zoom : x4 digital, continuous zoom
- » Analog (frontal) camera CaddxFPV RateL2, 165° lens, 0,0001LUX, 1200TVL, PAL / NTSC

GROUND STATION

- » Up to 50m from the operator to the antenna
- » Remote control of attitude of antenna
- » Remote control of catapult
- » Proprietary video streaming application



Downlink imagery from EO camera



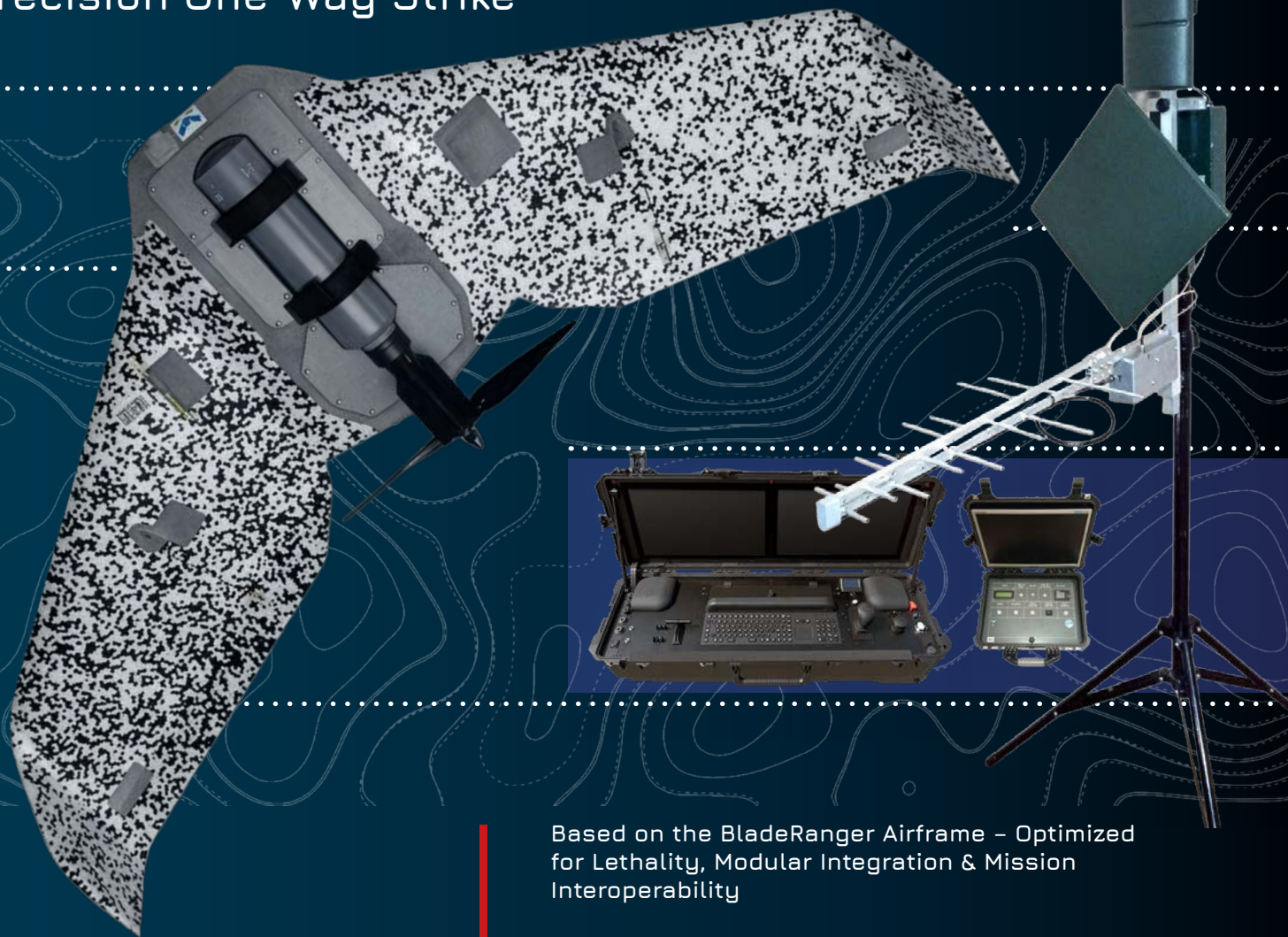
Targeting imagery from EO camera





BladeStrike

Precision One-Way Strike



Features and Benefits

- Optimal performance-to-platform size ratio
- Advanced stealth design and materials
- Radar invisibility
- Mission radius of 30 km
- Battlefield proven EW Resistance
- Rugged for extended, reliable use in harsh environments
- Remotely piloted or autonomous

Based on the BladeRanger Airframe – Optimized for Lethality, Modular Integration & Mission Interoperability

The BladeStrike™ is a one-way precision strike drone built on the proven BladeRanger airframe, maintaining the same fuselage, avionics, and system architecture for full interoperability. The ISR gimbal is removed and replaced with a streamlined **forward targeting** camera, freeing internal volume for a **1.5 kg warhead** mounted along the upper fuselage centerline. This configuration preserves aerodynamic balance while converting the platform into a dedicated strike asset.

With the added payload, endurance is reduced from 120 minutes to roughly **60 minutes**, giving BladeStrike an effective one-way mission radius of **50–60 km**. Guidance is managed through a hybrid system combining **GNSS/GNSS-resistant navigation, mission-planning autonomy, visual AI scene matching, and automatic target lock** during the terminal phase. A real-time forward video link provides operator confirmation and overwatch.



BladeStrike is launched through a **pneumatically assisted launcher**, using the same deployment equipment as BladeRanger. All key system components — including GCS, radios, antenna complexes, batteries, and mission-planning software — remain fully compatible, minimizing training and logistics requirements.

When used alongside BladeRanger, the two systems function as a unified ISR-strike package: BladeRanger performs long-range surveillance, target identification, and BDA, while BladeStrike executes precision one-way engagements. This creates a compact, efficient combination where ISR and kinetic effects operate concurrently under a shared control ecosystem.



SPECIFICATIONS

AIRCRAFT

- » 60 minute flight
- » 30 km Route Length
- » 65 km/h cruise speed
- » 115 km/h max speed
- » Operating altitude 200-600m
- » 10,000 ft flight ceiling
- » <10 dBA at 120 meter range
- » Not visible at 100 meters seen against terrain - small visual cross section in flight
- » Very low Radar cross section
- » Operational in 14 m/s wind @ takeoff
- » -20 to 49 °C operational temp range
- » Redundant systems
- » Weatherized

PORTABILITY

- » Deployable within five minutes
- » Two person team
- » IP67 waterproof field case
- » Withstands 90 kg crush and 1m drop in case
- » 1 kg/ 2300 cm³ packed in field case
- » Watertight, dust-proof, dent-proof transport case, with hasps and foam-lined interior
- » 2 Man-portable including ground stations and antenna
- » Small HMI Footprint

CAMERAS

- » Digital (main) RunCam WiFiLink2 (Based on OpenIPC) IMX415, 60° lens, 1/2.8 sensor size

COMMUNICATIONS

- » One way digital video sys range > 35 km (video link)
- » Protected analog video signal
- » UHF pprf range radio > 500 mHz (telemetry)
- » Manual Flight path correction with video link and ArduPilot Mission Planner
- » ArduPilot Mission Planner with customized firmware

EW RESISTANT

- » Fully functional in GNSS denied space
- » MEMC (Motion Estimation, Motion Compensation) Inertial navigation system w/ double set of sensors, gyroscopes, barometers, magnetic compass
- » Visual navigation
- » GNSS w/ response to spoofing

SECURITY

- » 256-bit Advanced Encryption Standards (AES)
- » Proprietary signal hopping
- » NDAA compliant
- » Sourced and built in USA

GROUND STATION

- » Up to 50m from the operator to the antenna
- » Remote control of attitude of antenna
- » Remote control of catapult
- » Proprietary video streaming application





BladeStrike-2

Precision One-Way Strike



Features and Benefits

- Optimal performance-to-platform size ratio
- Advanced stealth design and materials
- Radar invisibility
- Mission radius of 75 km
- Battlefield proven EW Resistance
- Rugged for extended, reliable use in harsh environments
- Remotely piloted or autonomous
- 2 channel encrypted telemetry
- Pneumatic catapult launcher
- Jam proof INS system
- EO front camera

Based on the BladeRanger Airframe – Optimized for Lethality, Modular Integration & Mission Interoperability

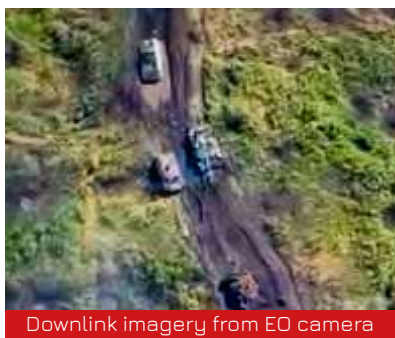
The BladeStrike™ is a one-way precision strike drone built on the proven BladeRanger airframe, maintaining the same fuselage, avionics, and system architecture for full interoperability. The ISR gimbal is removed and replaced with a streamlined **forward targeting** camera, freeing internal volume for a **2.8 kg warhead** mounted along the upper fuselage centerline. This configuration preserves aerodynamic balance while converting the platform into a dedicated strike asset.

With the added payload, endurance is reduced from 120 minutes to roughly **60 minutes**, giving BladeStrike an effective one-way mission radius of **75 km**. Guidance is managed through a hybrid system combining **GNSS/GNSS-resistant navigation, mission-planning autonomy, visual AI scene matching, and automatic target lock** during the terminal phase. A real-time forward video link provides operator confirmation and overwatch.



BladeStrike-2 is launched through a **pneumatically assisted launcher**, using the same deployment equipment as BladeRanger. All key system components – including GCS, radios, antenna complexes, batteries, and mission-planning software – remain fully compatible, minimizing training and logistics requirements.

When used alongside BladeRanger, the two systems function as a unified ISR-strike package: BladeRanger performs long-range surveillance, target identification, and BDA, while BladeStrike executes precision one-way engagements. This creates a compact, efficient combination where ISR and kinetic effects operate concurrently under a shared control ecosystem.



SPECIFICATIONS

Feature	Metrics
Permissible wind load	> 16 m/s
Max. take-off weight	8.6 kg
Transport Weight	2.9 kg
Capability of using the UAV as a strike system with payload	8.5 kg
Capability of operation in adverse weather conditions	Moderate rain / Snow with wind speed up to 16 m/s
Operating temperature	From -20°C to +50°C
Deployment time	25 min
Type of power plant	Electric
Launch/landing type	Pneumatic catapult / ground landing
Power supply type	Li-Ion battery





MODUS 120

BATTLE-PROVEN FPV



Features and Benefits

- Capable of operating under EW conditions
- Redundant Safety Features
- Integrated Plug-and-Play Battery
- Initiation Board
- On / Off Button
- Manufacturability
- Serial Production and standardized components
- Modular Design - Hot swappable optical modules
- Universal payload mounting attachment
- Compact size
- Payload up to 2 kg

Specifications:

Operational Range	20 + km
Payload	up to 2 kg
Endurance	
• without payload:	up to 40 min
• with 1 kg payload:	up to 24 min
• with 1.5 kg payload:	up to 18 min
• with 2 kg payload:	up to 14 min
Cruising speed:	80 km/h
Max speed:	150 km/h

GROUND CONTROL STATION

Supports 3 RF control bands:

- » 377 - 595 MHz
- » 760 - 1020 MHz
- » 2.2 - 2.6 GHz

VTX: 5.3 - 6.0 GHz

Additional supported frequencies:
3.3 GHz OR 1.2 GHz

- » Triversity
- » Dual Video Receivers (VRX)
- » Swivel Mechanism
- » Compact Design
- » Rapid Deployment
- » Equipped with Surveillance Camera



COMMUNICATION

Video:

VTX: 4.9 - 6.0 GHz

Optional:

3.3 GHz or 1.2 GHz

Control:

3 RF control bands:

- 377 - 595 MHz
- 760 - 1020 MHz
- 2.2 - 2.6 GHz



FIBER OPTIC CABLE



OPTICAL MODULES

Low-light / Day-light Camera

Delivers high visibility in low-light conditions while preserving detail



AI Night Camera

Integrated AI module enhances image processing for clear nighttime surveillance



Thermal Imaging Camera

Uncooled vanadium oxide sensor operating in the 8-14 μ m IR wavelength providing high-resolution thermal imaging



Digital Camera

Digital VTX integrated in module



QUICK PAYLOAD FASTENING

fixed in
one second



8 drones
in one package

TRANSPORTATION





ORQA MRM1-5

ROBUST MULTI-ROLE 5" DRONE



ORQA

FULLY NDAA COMPLIANT



Overview

The MRM1-5 is a robust multi-role platform designed to handle demanding scenarios where durability is essential.

As a training platform, it supports all the necessary steps required for the most rigorous training operations. As a small payload delivery system, the multirotor is capable of carrying up to 1 kg payload >5 km. As a kinetic tool, it can breach windows and similar materials, and may also be deployed as a kinetic weapon when needed.

Specifications

Battery:	P50B 4S1P Li-Ion, 321g
Weight:	Without battery: 562g ISM / 590g EW
Maximum speed:	130 km/h without payload 60 km/h with 1 kg payload with 4S2P battery
Flight time:	>15 mins without payload 10 mins with 1 kg payload with 4S2P battery
Est. Range:	up to 15 km without payload (EW) up to 7 km with 1 kg payload with 4S2P battery

VARIANTS AND COMMUNICATION SYSTEMS

EW-RESILIENT IRONGHOST VARIANT

This version uses the IRONghost control link radio, operating on licensed sub-GHz bands, along with a 5.8 GHz analog video transmitter. Thanks to the IRONghost system, the MRM1-5 achieves exceptional range and best-in-class electronic warfare (EW) resilience.

GHOST PROTOCOL VARIANT

This variant employs a 2.4 GHz Ghost protocol for control, paired with a 5.8 GHz analog video transmitter, offering reliable performance in standard operating environments.

FEATURES

- » Robust carbon fiber body and arms
- » 30x30 F405 FC with Betaflight, Ardupilot and iNav options
- » 30x30 60A ESC with AM32 firmware
- » Analog video transmitter operating on ISM 5.8 GHz band
- » EW-resilient dual sub-GHz IRONghost
- » ISM 2.4 GHz
- » GPS
- » MAVLINK support and ATAK integration with Orqa Tac.Ctrl tactical controller
- » Motors: 2408 2200kv
- » Propeller size 5"
- » Orqa Justice FPV camera with 4:3 / 16:9, switchable aspect ratio, 1200 TVL



Orqa IRONghost Ground Unit RF 5.8

- » Robust carbon fiber body and arms
- » 30x30 F405 FC with Betaflight, Ardupilot and iNav options
- » 30x30 60A ESC with AM32 firmware
- » Analog video transmitter operating on ISM 5.8 GHz band
- » EW-resilient dual sub-GHz IRONghost
- » ISM 2.4 GHz
- » GPS
- » MAVLINK support and ATAK integration with Orqa Tac.Ctrl tactical controller
- » Motors: 2408 2200kv
- » Propeller size 5"
- » Orqa Justice FPV camera with 4:3 / 16:9, switchable aspect ratio, 1200 TVL





DroneGuard 100

Reliable UAV Protection



Detecting Threats -
Saving Lives

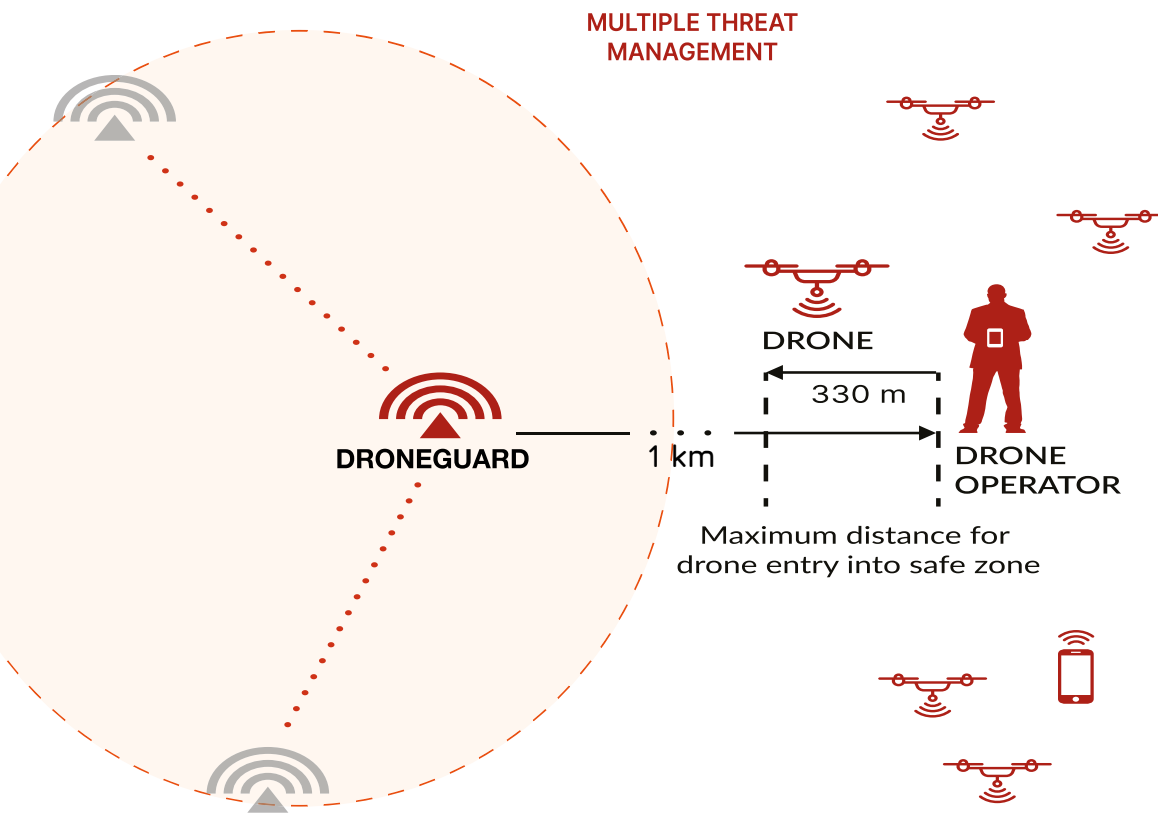
The DroneGuard 100 UAV Detector System is a battle-proven solution for detecting and identifying unauthorized drones in realtime, providing unparalleled situational awareness for military, law enforcement, and security forces. With a superb detection range of up to 2 kilometers, the DroneGuard is engineered to deliver precise and reliable performance in complex and contested environments. Its compact, rugged design ensures operational durability, making it ideal for field deployments in diverse terrains and challenging conditions. Whether used in perimeter defense, tactical missions, or critical infrastructure protection, DroneGuard offers a decisive advantage in countering evolving aerial threats.

Equipped with a cutting-edge 5-channel frequency scanning capability, the DroneGuard 100 excels at detecting enemy military drones utilizing single-frequency hopping and advanced electronic warfare (EW) countermeasures. Its multi-band detection architecture ensures rapid identification across key RF spectrums, even in signal-dense environments. The system's real-time analysis and adaptive threat recognition empower operators to maintain a strategic edge against adversaries deploying stealth or encrypted UAV technologies. Trusted and field-tested in high-stakes operations, the DroneGuard is an essential tool for modern drone defense, combining versatility, precision, and superior performance.



Features and Benefits

- Detection at 1km
- Ruggedized for reliable use in harsh environments
- Detection at 500m AGL
- All-weather RF Detection
- 5 Channel: 0.9, 1.2, 2.4, 4.9, 5.8 Ghz
- Warning via audio, haptic, display alarms
- 8 hr. Battery life
- Customizable UI
- Highest Performing Detector in Real-world Battlefield



SPECIFICATIONS

PHYSICAL

- » Dimensions (h, w, d)
14.5 cm x 8 cm x 3 cm
- » Volume (with battery) **348 cm³**
- » Weight (with battery) **350 g**
- » Color/Finish tan/green

ENVIRONMENTAL

- » Temperature Operating:
-22°F to 131°F (-30°C to +55°C)
- » Storage: **-40°F to 185°F (-40°C to +85°C)**
- » Immersion **20 meters**

INTERFACES

- » Data USB 2.0
- » Audio
- » Antenna Ports 4
- » Programming USB 2.0
- » Key Fob DS-101
- » Function Knob FP and 15 Presents
- » Off/Load/Z/Volume/Mechanical Interlock

ALERTS

- » Light, Haptic, Sound

RECEIVER

- » Sensitivity **860-5945 Mhz**

POWER

- » Power Input 9.6 to 34.3 VDC
- » Battery Type Rechargeable lithium-ion battery (included)

SECURITY

- » Encryption SAE 256

GENERAL Frequency Ranges

- » 0.9 Ghz (860-928 Mhz) Zala, Lancet, Orlan
- » 1.2 Ghz (1080-1360 Mhz) FPV, Zala
- » 2.4 Ghz (2400-2520 Mhz) Mavic, Autel
- » 4.9 Ghz (4990-5200 Mhz) FPV, Autel, Zala
- » 5.8 Ghz (5645-5945 Mhz) FPV, Mavic, Autel





DroneGuard 500

Advanced Directional Detection with Extended Endurance



The DroneGuard 500 is a portable, multi-band UAV detection system designed for field deployment or stationary installation, delivering superior situational awareness in real time. Building on the proven success of the original DroneGuard, the 500 model introduces two major enhancements: a built-in high-gain directional antenna for determining the threat direction and extended battery autonomy of up to 16 hours. Compact, rugged, and IP65-sealed, it is engineered to withstand harsh environments and operate day or night, in any weather condition. DroneGuard 500 functions as a real-time scanning and notification system, automatically scanning 0.9 GHz, 1.2 GHz, 2.4 GHz, and 4.9–6.0 GHz bands in under 10 seconds. Key operational alerts are delivered via visual, sound, vibration, or audio cues, with output adaptable to headphones or speaker systems via a 3.5mm audio jack for both discrete and group notifications.

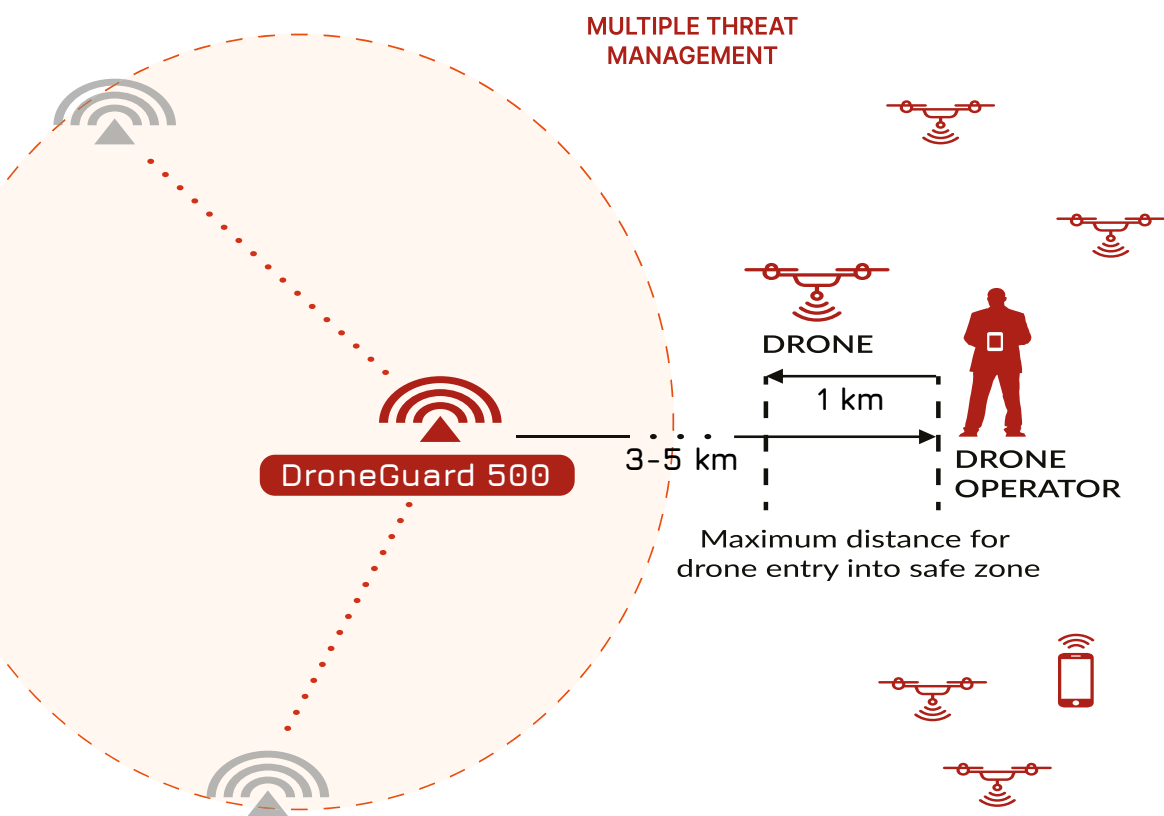
The DroneGuard 500 offers greater detection range and faster signal acquisition than conventional portable spectrum analyzers, and its builtin directional antenna significantly enhances threat localization and engagement response time. Designed for military units, security teams, and critical infrastructure protection, the system is a powerful force multiplier in counter-UAS operations.

When paired with electronic warfare (EW) systems, the DroneGuard 500 enhances jamming efficiency by pinpointing the strongest signal source, triggering automated response actions for maximum protection. Trusted by frontline operators and tested in combat-simulated conditions, this device enables rapid threat detection, direction finding, and coordinated countermeasures—all in one compact unit.



Features and Benefits

- Extended detection range up to 5 km, with effective altitude capture
- Rugged design (IP65) for reliable use in battlefield or static deployments
- High-precision directional antenna for threat vectoring
5-Channel: .9, 1.2, 2.4, 4.9, 5.8 Ghz
- Real-time RF threat alerts, displayed and transmitted via multimodal alerts
- Operates autonomously for up to 16 hours, with USB-C powerbank
- Integration-ready with EW systems and anti-drone guns
- Supports signal triangulation when deployed in networked arrays
- Optimized for signal-dense, contested environments



SPECIFICATIONS

PHYSICAL

- » Dimensions (h, w, d)
17.5 cm x 22.5 cm x 8 cm
- » Volume (with battery) 3150 cm³
- » Weight (with battery) 1450 g
- » Color/Finish tan/green

ENVIRONMENTAL

- » Temperature Operating:
-22°F to 131°F (-30°C to +55°C)
- » Storage: -40°F to 185°F (-40°C to +85°C)
- » Immersion 20 meters

INTERFACES

- » Data USB 2.0
- » Audio
- » Antenna Ports 0
- » Programming USB 2.0
- » Key Fill DS-101
- » Function Knob FP and 15 Presents
- » Off/Load/Z/Volume/Mechanical Interlock

ALERTS

- » Light, Haptic, Sound

RECEIVER

- » Sensitivity 860-5945 Mhz

POWER

- » Power Input 9.6 to 34.3 VDC
- » Battery Type Rechargeable lithium-ion battery (included)

SECURITY

- » Encryption SAE 256

GENERAL

Frequency Ranges

- » 0.9 Ghz (860-928 Mhz) Zala, Lancet, Orlan
- » 1.2 Ghz (1080-1360 Mhz) FPV, Zala
- » 2.4 Ghz (2400-2520 Mhz) Mavic, Autel
- » 4.9 Ghz (4990-5200 Mhz) FPV, Autel, Zala
- » 5.8 Ghz (5645-5945 Mhz) FPV, Mavic, Autel





StealthNet

PASSIVE RADAR SYSTEM

Redefining
Surveillance
and Situational
Awareness

Features and Benefits

- » Covertly detects and tracks aerial target
- » Exploits analog FM broadcasting and Digital Audio Broadcasting (DAB) for non-cooperative aerial targets detection
- » Simultaneously processes multiple FM and DAB broadcast
- » Immune to jamming
- » Exploiting Illuminators: FM/DVB-T
- » Coverage: 360 azimuth degree coverage 2D Track
- » Range Resolution: FM: Better than 1500m DVB-T: Better than 40m
- » Velocity Resolution: 3 m/s
- » Typical Performance:
- » Range up to 300 km for Commercial
- » Airliner, Range up to 120 km for Light
- » Utility Aircraft, Range up to 80 km for
- » Fighter Aircraft, Range up to 50 km for Class 2 UAV (based on 4s processing interval)



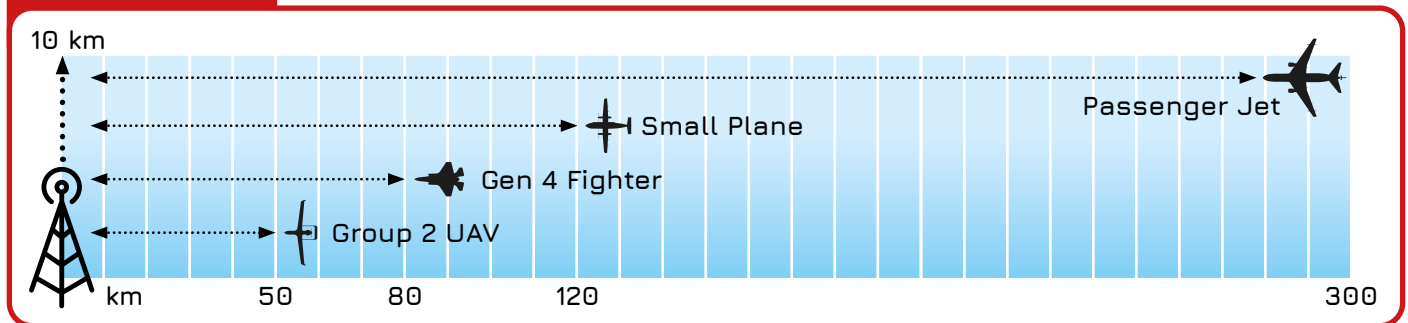
Step into the future of covert surveillance with StealthNet, the cutting-edge passive radar system that transforms how you monitor and protect. Engineered to deliver unmatched operational advantages, StealthNet is truly undetectable — emitting zero transmitted energy while harnessing existing VHF and DTV signals from radio and television. This revolutionary approach eliminates emissions from targets and avoids overloading the electromagnetic spectrum.

Whether for early warning or covert surveillance, StealthNet adapts to every mission. Its modular, scalable design ensures enhanced survivability in even the most demanding conditions. From portable, soldier-friendly systems to expansive UHF/VHF arrays, StealthNet excels in air, land, sea, and even space monitoring. With 24/7 hemispherical coverage, instant deployment, and the ability to detect diverse targets while resisting jamming, StealthNet is the smart, cost-effective choice for tactical and strategic operations. Ideal for both stand-alone and meshed network configurations, it delivers cutting-edge performance at a fraction of the cost of traditional radar systems.

StealthNet: Where innovation meets invisibility

- » Early warning
- » Instantaneous hemispherical coverage
- » Multi domain: sea, air, land, and space
- » Simultaneous detection and tracking
- » 24/7 covert surveillance
- » Diverse target detection characteristics
- » Increased resilience in EW denied environments
- » Low power, size and cost
- » Modular and scalable

Detection Ranges



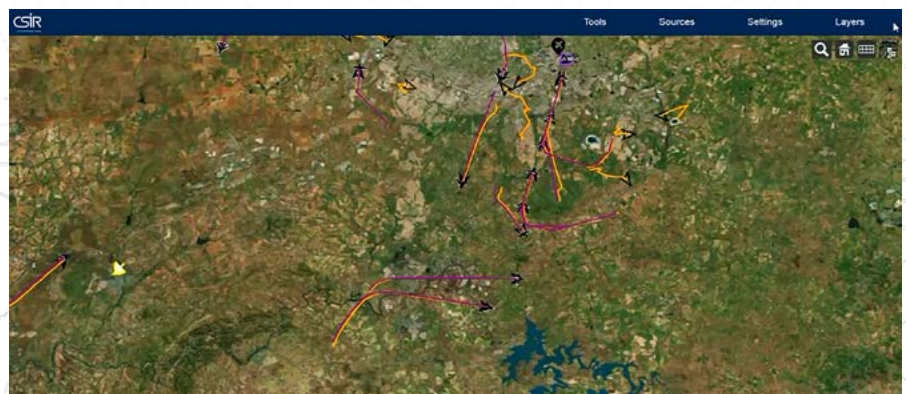
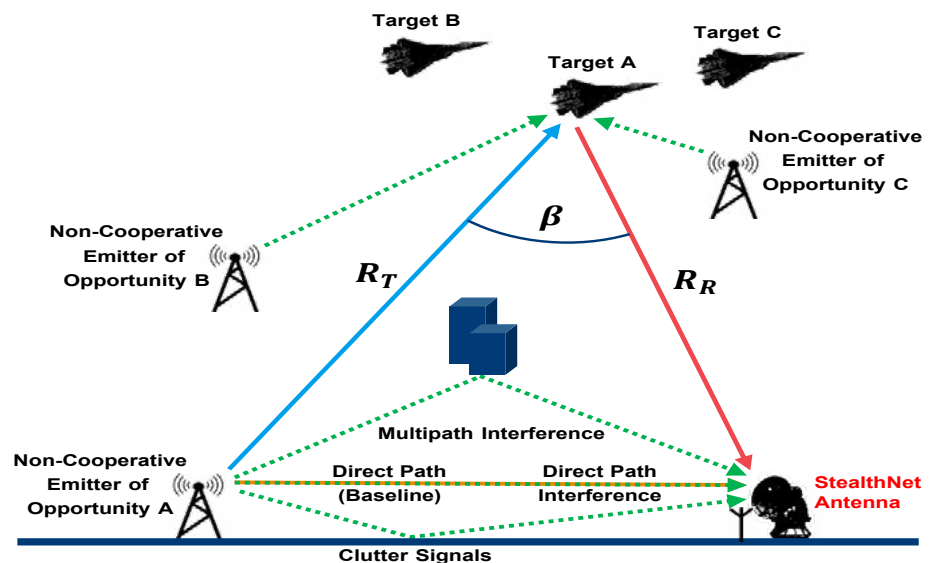
SPECIFICATIONS

AIRCRAFT

- » Low cost procurement & maintenance
- » No transmitter needed, COTS computers]
- » Easily deployed, light weight
- » Operates anywhere
- » Low cost sensors network
- » Works in cluster of nodes
- » Easily and covertly installed
- » Remote, stand-alone operation

SUPPORT

- » On-site support
- » Hardware and software updates
- » Wide range of training/upgrades
- » Pre/Post Design Services
- » Detects non-emitting targets
- » StealthNet sensor fusion with other sensors like active radars & PET
- » Sensor clusters extending coverage
- » Usable without authority approvals
- » Covert surveillance tasks
- » Use in areas of electromagnetic congestion
- » Minimum Configuration: 2-3 Receiver Nodes and 2-3 FM Transmitters
- » Antenna-to-Track Delay: 1.5s (based on 1s processing interval)
- » Track Update Rate: 0.5s
- » Live Air Picture Display Interface w/ ASTERIX Output via Ethernet



ADLER AEROSPACE



WaveShield

C-UAS RF Inhibitor



Winner of NATO
C-UAS Performance
Challenge at BATT25
and TIE 2025!



20 MHz - 6 GHz, 650 Watt,
Fully Automatic Reactive
Jammer



11-Channel Antenna

Features and Benefits

NEUTRALIZATION CHARACTERISTIC

Jamming modes:
Reactive, Semi-reactive,
Active Wingspan

Fully programmable
frequency range:
20 MHz-6 GHz

Simultaneous bandwidth:
1800 MHz (freely definable)

RF power: 650 W

RF PERFORMANCE

Detection sensitivity:
-110 dBm

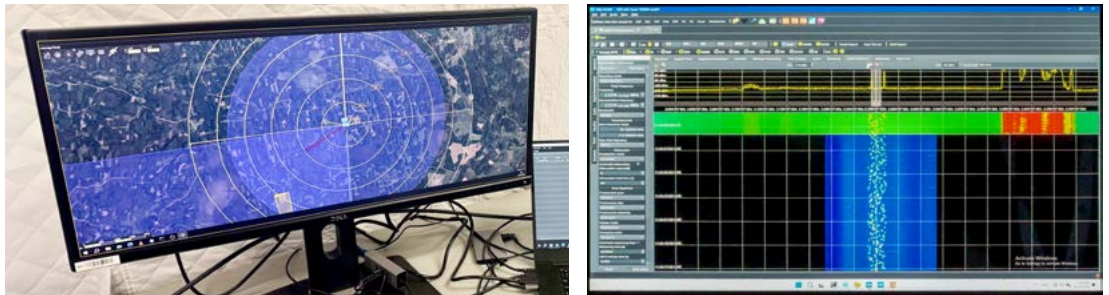
Response time: from 18 μ s

Rx/Tx-isolation level: 50 dB

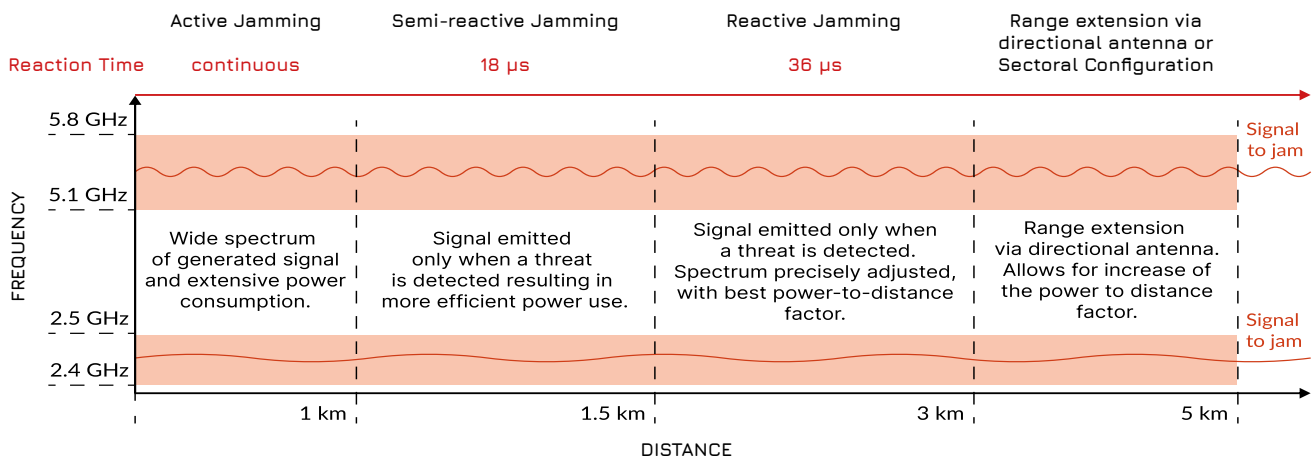
The WaveShield Jamming System is a state-of-the-art counter-UAS RF jammer engineered to neutralize the growing threat of Unmanned Aerial Systems (UAS), including drones, in both battlefield and security scenarios. As a class-leading jamming solution, WaveShield is widely deployed across NATO forces, serving as the backbone of many RF jamming systems actively utilized throughout Europe and in high-stakes conflict zones. Its advanced design integrates seamlessly with military C-UAS platforms, employing sophisticated signal-hopping technology to effectively disrupt enemy drone communications and control links, while ensuring minimal interference with allied systems. This ensures it can operate in highly dynamic and contested RF environments, making it an indispensable tool in modern electronic warfare.

The WaveShield's superior performance has been validated through extensive testing and proven in real-world operations, where it consistently outperforms other systems in its class. Its adaptive algorithms and broad-spectrum jamming capabilities allow for precision targeting of hostile UAS, ensuring mission success while minimizing collateral effects on the electromagnetic spectrum. Trusted by NATO forces for its reliability and effectiveness, the WaveShield Jamming System is a cornerstone of airspace security, delivering critical support in both defensive and offensive operations to maintain air superiority and protect vital assets.

DETECTION RANGES



JAMMING PERFORMANCE



PARAMETERS

Dimensions:
640 x 540 x 400 mm

Weight without battery:
60 kg

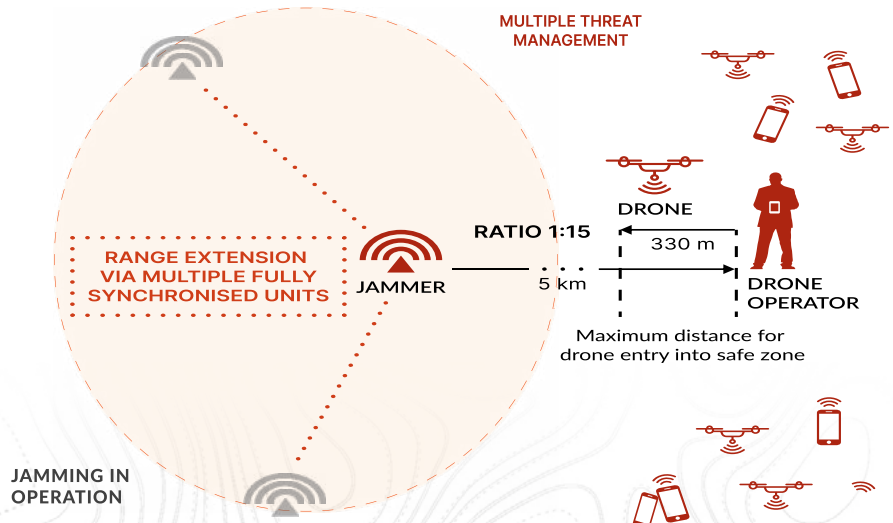
Antenna mast weight:
15 kg

Operating temperature:
-30 °C to +50 °C

Antennas:
11 Directional

Supply voltage:
22-29 VDC or 110/230 VAC

Version of housing:
IP65 or 19" rack



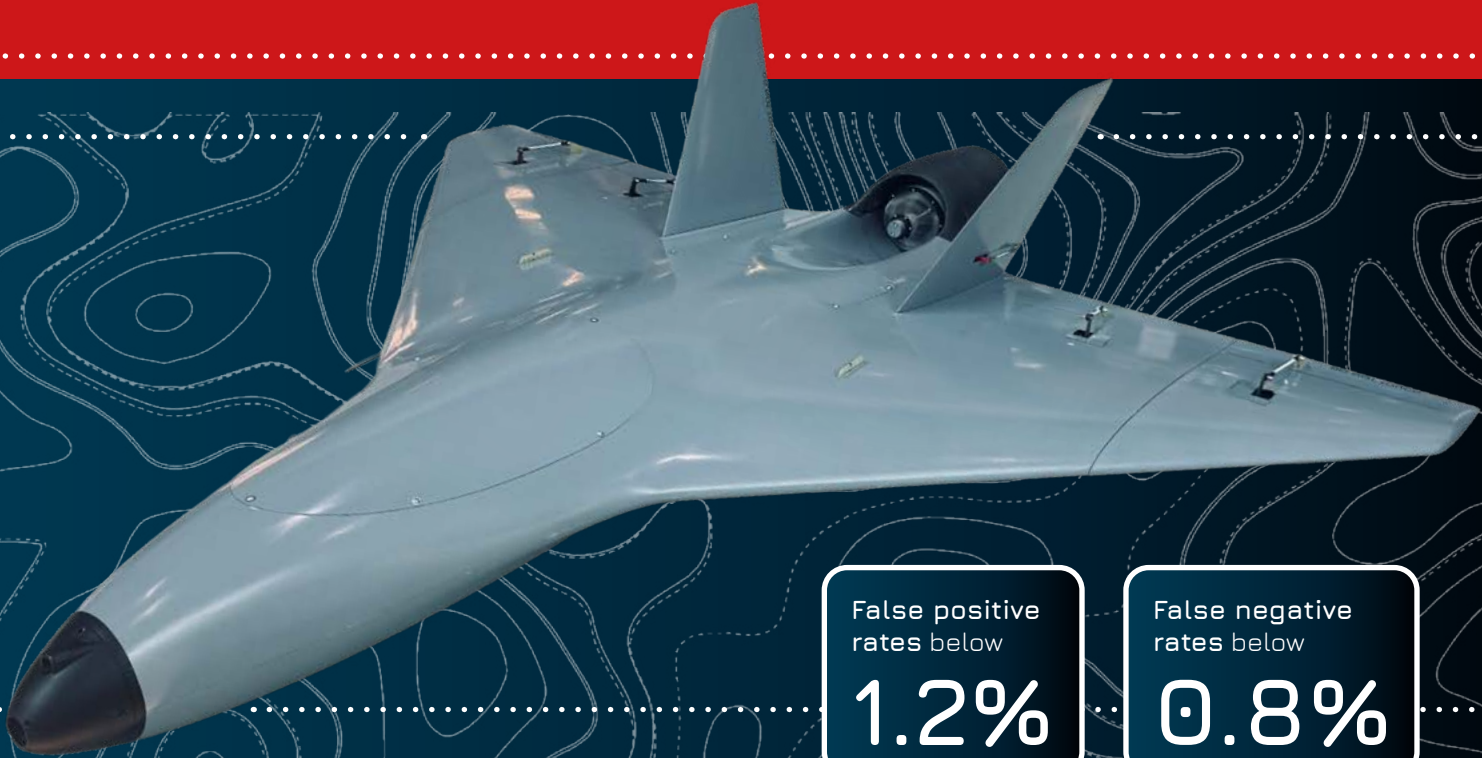
JAMMING IN OPERATION

- Full Reactive / Semi Reactive / Active Jamming Modes
- Mixed Jamming Modes
- Range up to 5 km
- Friendly Communications During Jamming
- Rest API for Smooth System Integration
- Frequency Ranges: 20 MHz - 6 GHz.
- Fully Reactive (Configurable as per Client Spec)
- Fully Programmable And Selectable Frequency Range
- Extendable Modular Design
- Jamming Output Power: 650 W
- Warranty for up to 5 years (2 years as standard)
- Auto-Configuration Jamming of Profiles
- C2 System Available
- 24/7 Support
- SAPIENT Compliant



TALOS-J

Jet-Powered Autonomous Counter-UAS Interceptor



False positive rates below

1.2%

False negative rates below

0.8%

TALOS-J is a jet-powered, autonomous counter-UAS interceptor purpose-built to defeat the latest generation of hostile ISR platforms, loitering munitions, and high-speed kamikaze drones. Designed for rapid response and decisive hard-kill engagements, TALOS-J delivers missile-like performance at a fraction of the cost, enabling scalable, layered air defense for modern battlefields and critical infrastructure.

Powered by a high-thrust jet engine and optimized delta-wing aerodynamics, TALOS-J reaches speeds exceeding 500 km/h, allowing it to rapidly close distance on fast, maneuvering aerial threats that overwhelm traditional counter-drone systems. With an operational range of up to 200 km and service ceiling of 4,500 m, the interceptor provides wide-area coverage and extended engagement envelopes well beyond short-range C-UAS effectors.

Key Performance Highlights

Max Speed	500 km/h
Operational Range	up to 200 km
Endurance	~40 minutes (mission-dependent)
Ceiling	4,500 m
Guidance	AI-driven EO/IR, optional radar cueing
Engagement	Direct hit or proximity detonation
Launch	Autonomous catapult launch, <10 min readiness
C2	Encrypted, GNSS-independent, NATO-compatible

High-Speed Interception & Kinetic Overmatch

TALOS-J is engineered for time-critical intercept missions. From alert to launch in under 10 minutes, the system autonomously calculates optimal intercept geometry and executes high-energy pursuit profiles to ensure reliable target closure—even against evasive or high-velocity UAVs. Cruise speeds of approximately 350 km/h enable efficient loiter and positioning, while full-power sprint performance delivers decisive terminal interception.

Autonomous Target Detection & Tracking



Oves Nemesis Pilot is an advanced AI-driven autonomy system designed to enable unmanned platforms to navigate, perceive, and act intelligently in complex and contested environments. Built for real-world operational demands, it combines onboard decision-making, sensor fusion, and adaptive mission logic to support reliable performance even in GPS-denied or communication-limited conditions. The system is designed to integrate across a range of platforms and use cases, helping operators enhance situational awareness, reduce workload, and execute missions with greater precision, resilience, and flexibility.



Battle-management Platform

The architecture is centered on the JISR Institute's **C4PER Command-and-Control (C2) platform**, which serves as the core battle-management and sensor-fusion layer, integrating heterogeneous radar and sensor inputs into a unified operational picture while orchestrating the full detection-to-neutralization engagement workflow. This system ingests and fuses multi-sensor data, performs threat detection, classification, and prioritization, and enables automated or operator-supervised assignment of interceptors, including TALOS-E distributed nodes and TALOS-J long-range high-speed systems, all integrated with launch platforms and mission control. C4PER coordinates effectors, monitors engagements in real time, and delivers comprehensive situational awareness through a map-centric interface displaying sensor coverage zones, interceptor status and readiness, live threat tracks, predicted trajectories, and protected-area geofencing, ensuring a coherent and responsive air defense operation.



Single-interceptor hit probability of approximately 87–92% within a 5 km engagement zone

These performance levels provide operators with confidence in automated engagements while retaining human-in-the-loop authority for mission abort or confirmation.

Scalable, Cost-Effective Air Defense

With a 30 kg takeoff weight and up to 10 kg payload capacity, TALOS-J is optimized for cost-effective production and rapid fielding. **Production capacity scales to 100–200 units per month**, enabling mass deployment to counter saturation drone attacks and provide persistent airspace denial without reliance on expensive missile inventories.





HELIOS-50

Fixed-wing interceptor UAV



Key Features

- High-speed fixed-wing interceptor optimized to overtake hostile UAVs
- Autonomous / assisted EO-based target acquisition and lock-on
- Kinetic/proximity warhead engagement capability
- Frequency-agile datalink with FPV/manual override options
- Launch from mobile, runway-independent platforms
- Low-cost, mass-deployable (attritable design)

Key Performance Highlights

Max Flight Range	50 km
Max Altitude	up to 5000 m
Wingspan	1470 mm
Take-off weight	6,7 kg
Fuselage length	768 mm
Max Speed	290 km/h
Cruising Speed	90 km/h

HELIOS-50

Fixed-wing interceptor UAV

The Helios-50 is a Ukrainian-developed fixed-wing interceptor UAV designed for cost-effective counter-UAS operations against Group 2/3 threats, including loitering munitions. Optimized for speed, range, and attritable deployment, the system provides a rapid-response aerial intercept capability within a layered air defense architecture.

System Overview

Helios-50 employs a streamlined, tubular fuselage with mid-mounted wings and rear propulsion, optimized for aerodynamic efficiency, rapid acceleration, and stable terminal guidance. The design prioritizes low radar/visual signature, simplicity of manufacture, and field serviceability, consistent with Ukrainian frontline production methodologies leveraging composite and semi-modular construction.

The aircraft is typically rail- or assisted-launch capable, enabling rapid dispersal from mobile teams and forward positions without reliance on conventional runways.



Design Philosophy

The Helios-50 embodies key Ukrainian interceptor design principles:

1. Attritable Economics

Interceptors are designed to be expendable yet effective, allowing deployment in large volumes to counter mass drone attacks.

2. High-Speed Interception

Fixed-wing architecture provides greater range and endurance vs quadcopters, while maintaining sufficient speed to engage fast-moving UAV threats.

3. Distributed Deployment

Systems can be fielded by small mobile teams, supporting decentralized air defense networks.

4. Rapid Production & Adaptability

Modular construction enables:

- » Quick iteration cycles
- » Field upgrades (sensors, warheads, comms)
- » Integration into broader C2 networks



Assessment

Helios-50 represents a mid-tier interceptor solution bridging FPV systems and more advanced autonomous interceptors. Its fixed-wing configuration provides:

- Improved engagement envelope
- Higher intercept probability at range
- Better endurance for search and intercept missions



VORTEX-40

Electric Interceptor UAV



The VORTEX-50 is a high-speed, short-range electric interceptor designed for the rapid neutralization of hostile UAVs in contested electromagnetic environments. Optimized for frontline deployment, the system combines agile maneuverability with automated target acquisition and lock-on guidance, enabling efficient engagement of Group 1–3 aerial threats.

Key Performance Highlights

Max Flight Range	40 km
Max Altitude	up to 6000 m
Frame Size	8 inches
Take-off weight	6,7 kg
Fuselage length	768 mm
Max Speed	300 km/h
Cruising Speed	140 km/h

VORTEX-40

Electric Interceptor UAV

The VORTEX is a next-generation Ukrainian electric interceptor optimized specifically for defeating Shahed-class loitering munitions using the latest battlefield-proven tactics developed across Ukraine's layered drone defense network. It represents a refined evolution of the "cheap, fast, autonomous interceptor" paradigm that has already achieved 70–90% kill effectiveness against Shahed-type threats in active combat environments.

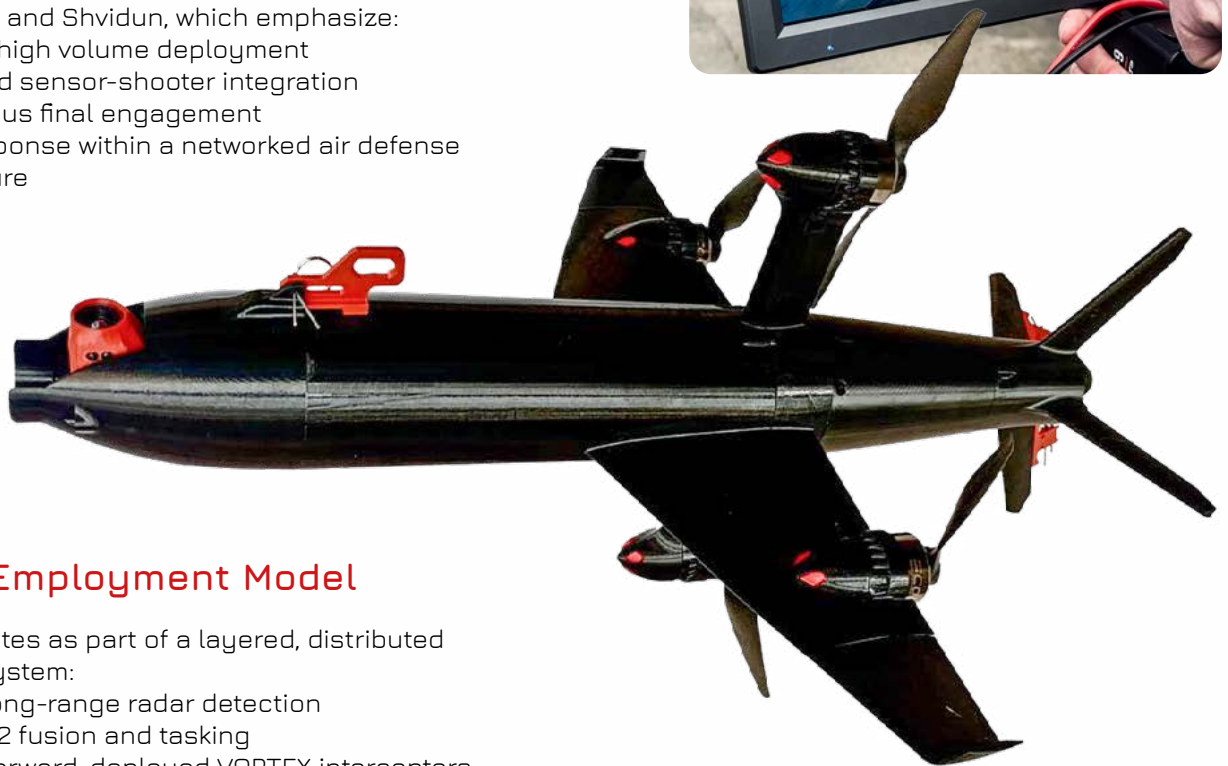
System Overview

VORTEX is a vertically loitering, electrically powered interceptor UAV combining:

- » VTOL / near-vertical hover capability for persistent overwatch
- » High-speed transition to forward flight for interception
- » Autonomous EO/AI terminal guidance
- » ~500 g fragmentation warhead optimized for proximity or direct-hit detonation

Its design philosophy mirrors proven Ukrainian systems such as Sting, Bagnet, and Shvidun, which emphasize:

- » Low cost, high volume deployment
- » Distributed sensor-shooter integration
- » Autonomous final engagement
- » Rapid response within a networked air defense architecture



Tactical Employment Model

VORTEX operates as part of a layered, distributed air defense system:

- » Layer 1: Long-range radar detection
- » Layer 2: C2 fusion and tasking
- » Layer 3: Forward-deployed VORTEX interceptors (loitering nodes)
- » Layer 4: Terminal EO-guided kill

Key Advantages

- » Persistent readiness: Vertical loiter eliminates launch delay
- » Cost-exchange advantage: Interceptor cost << Shahed cost
- » Autonomous terminal guidance: Reduced operator burden
- » Scalable deployment: Networked swarm defense
- » Combat-proven doctrine: Based on real-world Ukrainian engagement cycles



HOW TO ORDER ADLERAEROSPACE SYSTEMS

AdlerAerospace products can be ordered directly through our global sales channels. Our team will support you through specifications, customization, licensing pathways, and delivery logistics for all platforms and mission-ready variants.

1

Contact Our Sales Team

For all inquiries, quotes, and procurement requests:

sales@AdlerAerospace.com

+1 (812) 340 3517

Our teams will respond promptly and connect you with the correct regional representative.

2

U.S. Government Procurement (ADS, Inc. – DLA Approved)

U.S. DoD, federal agencies, and approved government customers may order AdlerAerospace products directly through:

www.adsinc.com/quote-request
customercare@adsinc.com

ADS, Inc. – Defense Logistics Agency (DLA) Approved Vendor

This pathway simplifies procurement, accelerates contracting timelines, and ensures full compliance with government purchasing frameworks. For U.S. government procurement:



+1 (866) 845 3012

3

Visit Our Website

Access comprehensive product specifications, technical data sheets, downloadable brochures, and integration options at:

Resources include:

- Full Atlas, STRK, and C-UAS system specs
- Export-compliant variants
- Training and service programs
- Licensing and joint-venture pathways

www.AdlerAerospace.com

4

View Demonstration Videos

See our systems in real-world operational testing across global ranges:



www.youtube.com/@AdlerAerospace

Includes flight demos, ISR operations, FPV swarm integration, C-UAS engagements, maritime operations, and more.

5

Request a Consultation or Live Demo

Customers can schedule:

- Virtual capability briefings
- Technical consultations
- Factory or R&D site visits
- Live flight demonstrations

Contact us to coordinate based on your mission requirements.

6

International Procurement Support

AdlerAerospace maintains active representation across Europe, the Middle East, Asia, and North America. We can connect you with licensed regional partners for on-site demonstrations, support, and integration planning.

We Look Forward to Supporting Your Mission

From ISR to strike, heavy-lift logistics to counter-UAS defense, AdlerAerospace delivers agile, battlefield-proven solutions tailored to your operational needs.

AdlerAerospace – Innovating at the Speed of the Mission.