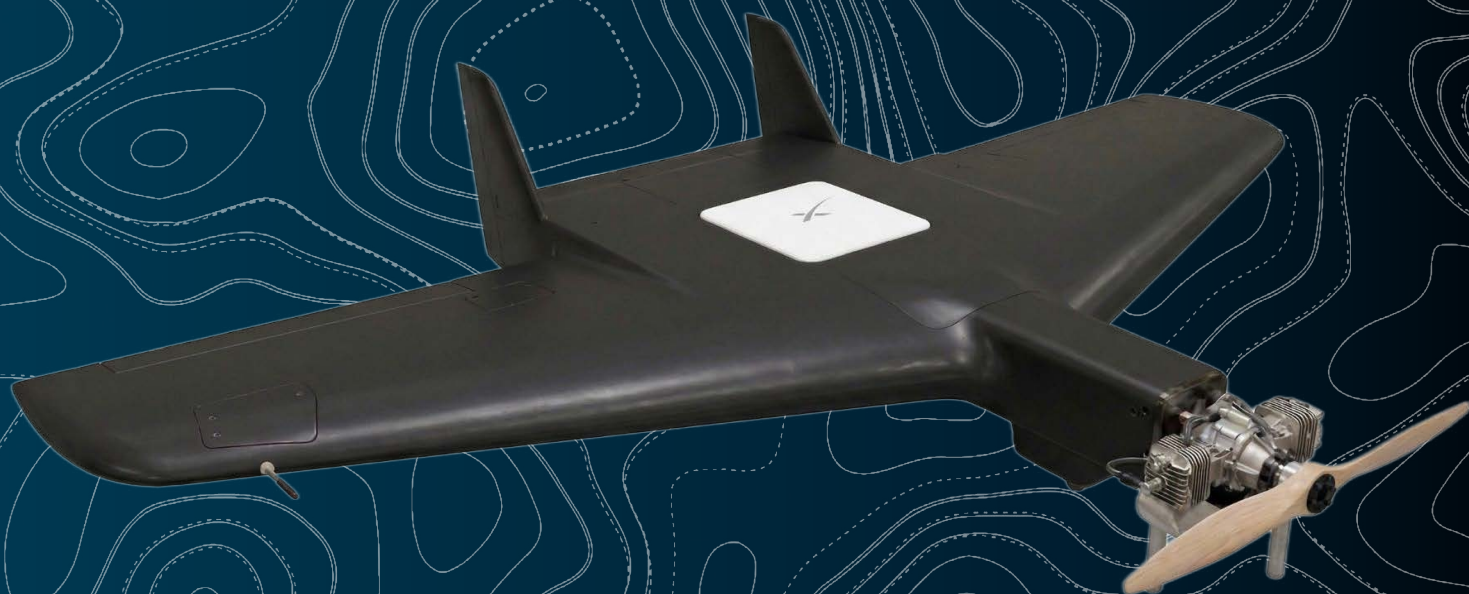


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BONESAW-480

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

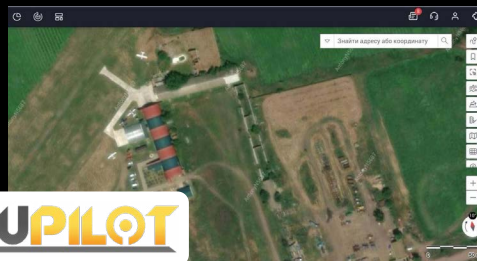


The BONESAW-480™ is a combat-proven, long-range one-way attack UAV engineered for precision deep-strike missions in contested and GPS-denied environments. Designed around modern distributed warfare doctrine, BONESAW-480 combines high-accuracy terminal effects, resilient navigation, and mass-producible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



BONESAW-480

Long-Range Precision Strike UAV

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

Navigation Features

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

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 with speed and efficiency.



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