



**Warcrafted: The Power Behind
Ukrainian Defense Tech**

Product Catalogue

Unmanned systems have been a decisive factor in Ukraine's defense, enabling the country to repel what was once considered the world's second-most powerful army. Ukraine's Unmanned Systems Forces — the first of their kind globally — are not only reshaping the modern battlefield, but also spearheading a new, dynamic Ukrainian defense-tech industry. This catalogue provides an exclusive look at its core offerings: novel, affordable, and efficient robotic solutions with global relevance. It is an invitation for international defense platforms, investment funds, and private companies to partner with battlefield-proven Ukrainian innovators.

Produced by the Tech Force in UA (TFUA), the powerful voice of Ukraine's defense tech industry, together with KI Insights, the analytical unit backed by *the Kyiv Independent*, this catalogue showcases verified flagship products developed by TFUA member companies, including reconnaissance and strike drones, electronic warfare systems, unmanned ground vehicles, and simulators. All data and specifications were provided directly by the manufacturers.

The systems featured here evolve on a near-weekly basis, driven by a unique innovation loop that rapidly turns battlefield feedback into new prototypes. This catalogue is a living document, updated regularly to reflect the latest advancements. For direct contact with manufacturers, please reach out to [TFUA](#).

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First-person view drones

FPV drones are high-speed, maneuverable unmanned aerial systems primarily designed for precision strikes and tactical operations on the battlefield. Ukrainian manufacturers have developed a wide spectrum of FPV drones – from lightweight, low-cost kamikaze models to heavy-duty systems with payloads up to 11 kg and tactical ranges of up to 25 km

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BlueBird is an innovative developer and

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PG Robotics LLC is a manufacturer of unmanned strike

PG R

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Unmanned aerial vehicle for reconnaissance

Reconnaissance drones are used to gather real-time intelligence on enemy positions, movements, and terrain. They are essential for tactical and strategic missions, enabling situational awareness and coordinated fire missions even under heavy signal interference

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can operate independently or alongside the ST-35 "Silent Thunder."

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ect
for real-time intel gathering at low altitudes and up to 22 km range.

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flight time and 80 km of communications range.

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Strike drones

Carry explosive payloads and are used to attack and destroy targets. They often integrate visual navigation, advanced targeting systems, and modular payload options, enabling them to perform both offensive and support missions, like logistics and resupply deep behind enemy lines



AeroDrone is a developer of multi-purpose strike
as of



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Innovative technology



ERDM GROUP is an innovation-driven technology

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Speed: 250 km/h, altitude: 4.5 km, flight time: 45 min, payload: 1 kg, weight: 12 kg.

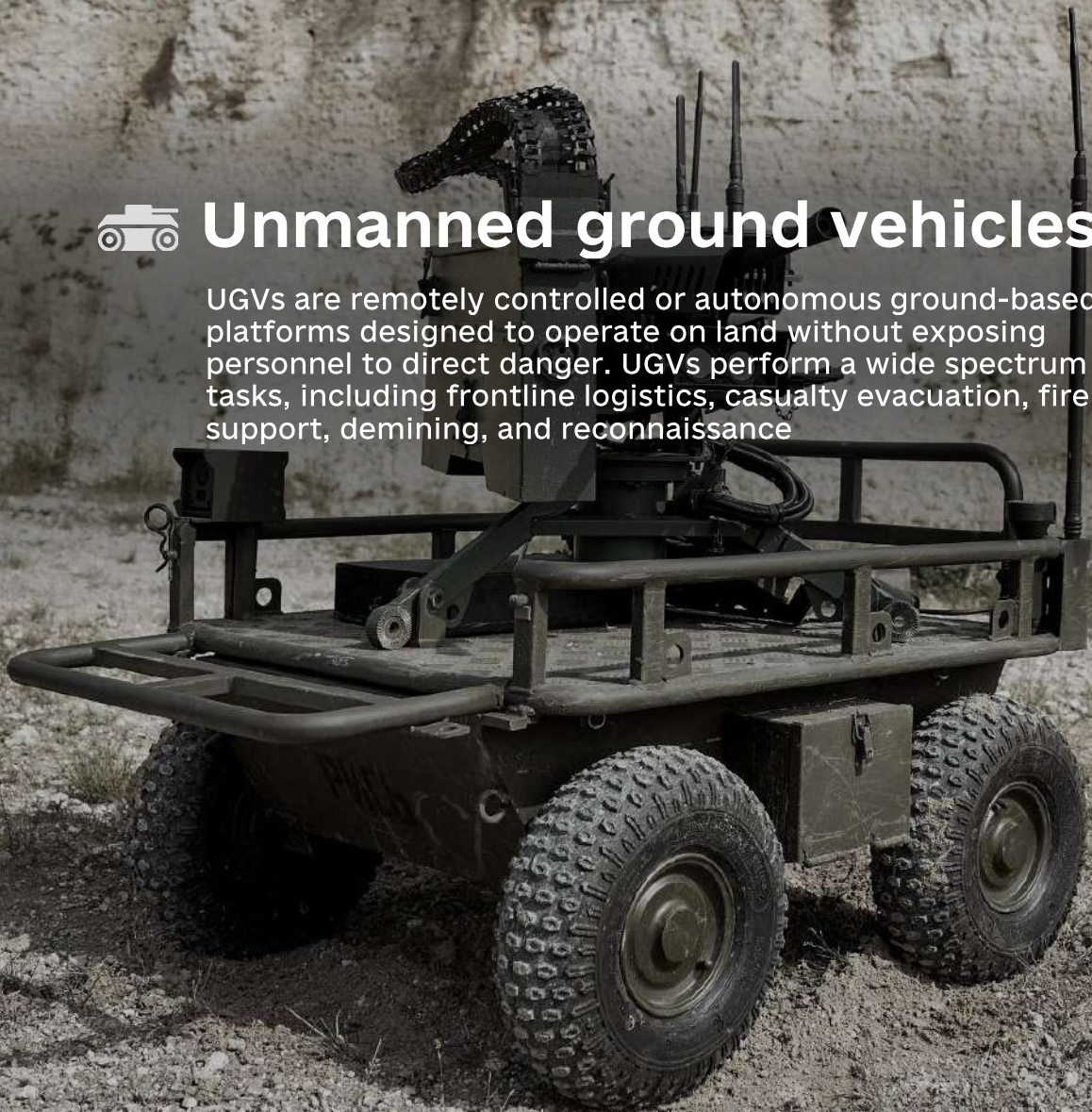
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Unmanned ground vehicles

UGVs are remotely controlled or autonomous ground-based platforms designed to operate on land without exposing personnel to direct danger. UGVs perform a wide spectrum of tasks, including frontline logistics, casualty evacuation, fire support, demining, and reconnaissance



Founded in 2023, DevDroid specializes in the development of

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the user to integrate multiple communication types. The system also enables the integration of the Wolly turret with the UGV.



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Naval drones

Include unmanned surface vehicles (USV) and unmanned underwater vehicles (UUV), and can be autonomous or remotely operated for naval reconnaissance, mine detection and clearing, and offensive operations



Toloka developed autonomous underwater vehicles based

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Electronic warfare

EW systems are designed to detect, disrupt, and neutralize enemy UAVs, communications, and radar systems by targeting their control, navigation, and video transmission signals





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training is required.

operator

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These systems are suitable for stationary or mobile deployment to protect strategic sites with up to 10 km coverage.

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Components & Comms

Components include equipment ranging from communications devices and cameras to munition initiators and AI targeting modules, as well as other materials that drone operators use to carry out missions, enhance drones, and improve operator safety



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PTDY ENERGY is a Ukrainian manufacturer of

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Equipped with a 230.47 A-h battery (51.2 V nominal, 115.28 A peak discharge), providing up to 11 hours of operation at a 1 kW load.

Thermal container for transporting and working with Li-ion

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Designed to ensure stable communication and high-quality signal transmission even in challenging environments.

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Interfaces: USB, Ethernet, MIPI CSI, PAL. Encased in moisture-proof housing.

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CBPH module — an auxiliary board for Raspberry Pi Zero providing analog video digitization, 4K@30FPS video recording, and 4K@30FPS video transmission. It is resistant to ESD, EMI, and RFI, ensuring stable 4K@30FPS video transmission even in harsh conditions.

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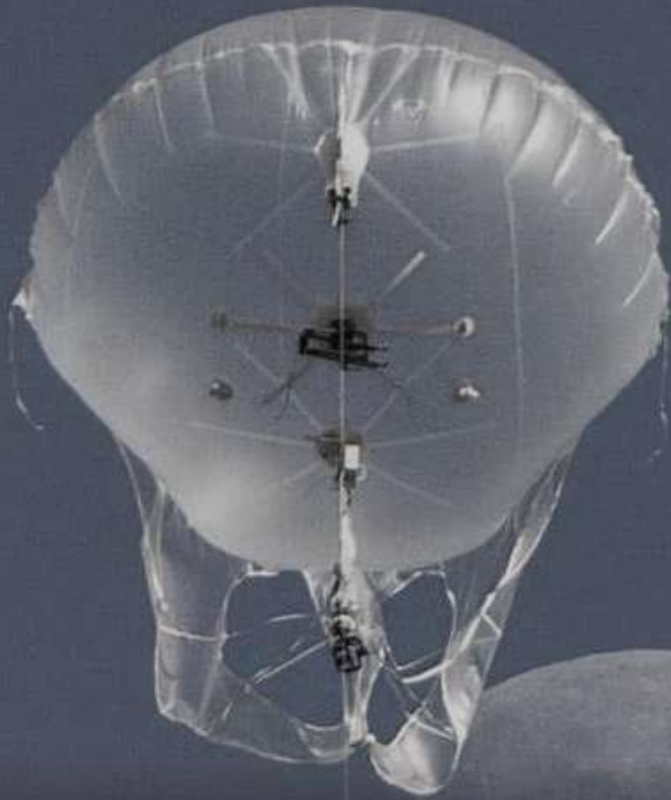
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production, CNC machining, and R&D support, helping their clients reduce development time and internal workload.

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Aerostat Platforms

Mobile, tethered balloon systems designed to lift various payloads, such as surveillance equipment or communication repeaters. They can remain airborne for extended periods and are rapidly deployable within 5 to 10 minutes

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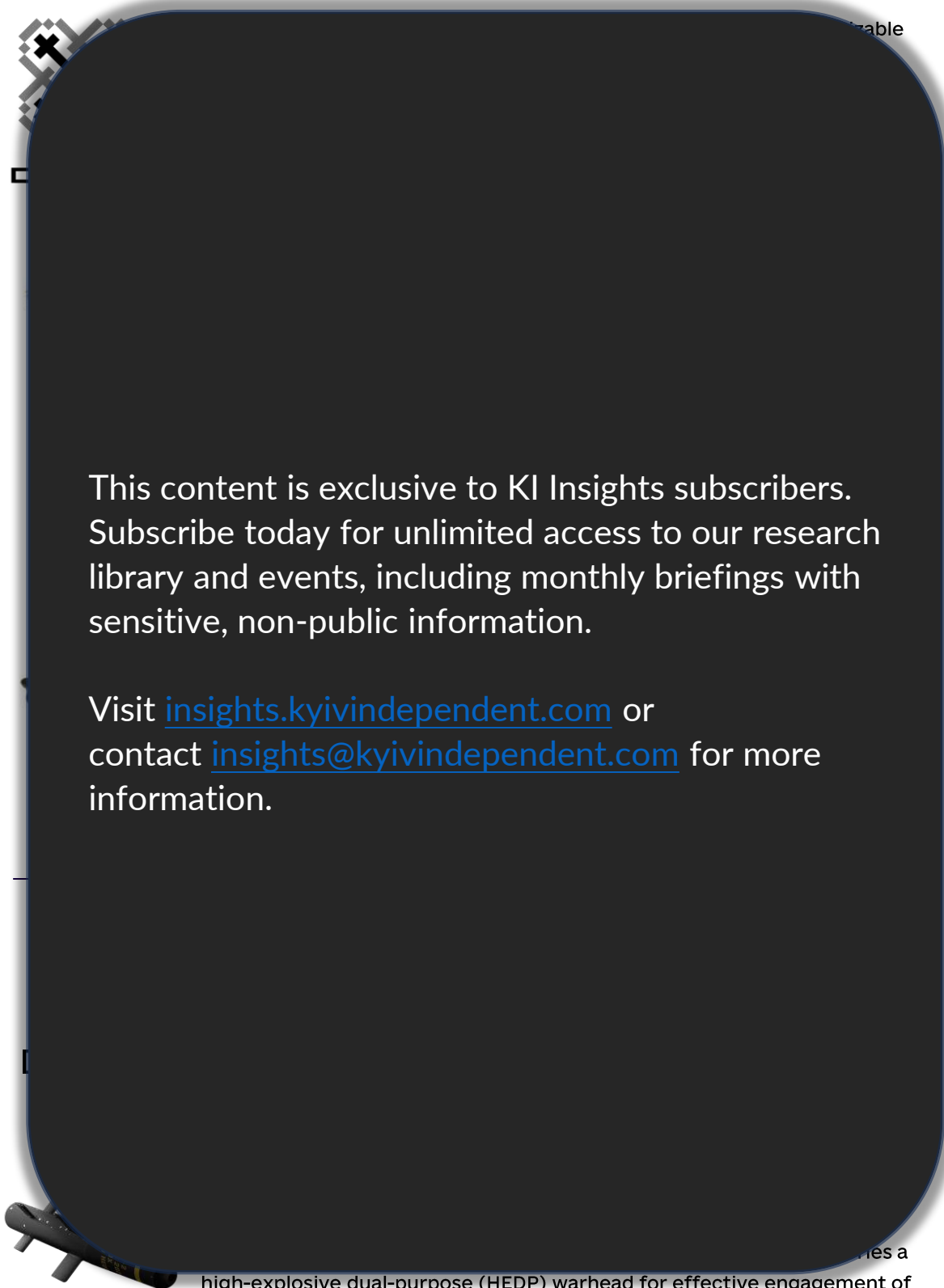
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Ammunition

Including guided and unguided bombs, ordnance, and munitions for destroying targets





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high-explosive dual-purpose (HEDP) warhead for effective engagement of both soft and armored targets.

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All products are currently undergoing prototype testing to ensure maximum effectiveness and reliability in operational use.



Training simulators

Advanced interactive systems designed to prepare military personnel for real-world combat scenarios to build tactical skills, decision-making, and reflexes through safe, controlled and highly realistic virtual environments



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enviro
realistic weap
shared virtual space.

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UAVs with communication relay payloads

UAVs with communication relay payloads are used to extend the radio horizon of other drones enabling operators to fly further with stronger video and control signals

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minimal training and resistant to spoofing.

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Tech Force in UA is Ukraine's leading defense tech coalition, uniting almost 80 top manufacturers, including global partners like Boeing and Quantum Systems. TFUA speaks on behalf of the industry to ensure that advanced technologies reach the front line quickly and contribute to Ukraine's defense daily.

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