







## Multi-Mission, NLOS Systems for Land, Sea and Air

The HERO series of high precision loitering munition systems is designed to provide operating forces in the modern battlefield with the ultimate operational flexibility. They bring to the fighting forces unique Independent fire capabilities combined with quality ISR, allowing them to locate, track and engage time-sensitive low-signature enemy targets at extended ranges organically and independently.

The HERO Loitering Munitions loiters above the operational arena, locate and track the enemy, 'Investigate' possible targets to help selecting the high value ones, choose the right timing, direction and angle of attack, and then performs a precise lethal strike.

HERO series Loitering Munitions offer unique commonality, which allows all systems to be operated by the same ground operator unit and datalink terminal. All HERO Systems are designed to operate in challenging battlefield conditions, including GPS denied environment and communication interferences.

## Changing the Battlefield - Combat Proven

With units deployed and field proven record in leading fighting forces – including dominant NATO Countries – The HERO series of Lethal Loitering Munitions is already widely accepted and procured by world military forces. Based on recent lesson-learning from use of Loitering Munitions in some of the world current active battlefields, the HERO series introduces unprecedented advantages to the forces operational traits and is already becoming a 'Battlefield Game Changer'.

## Suitable for a Wide Spectrum of Missions

The HERO series of Lethal Loitering Munitions is suitable for a wide range of units and forces, and for tactical and strategic missions, of short, medium and long ranges; man-pack portable and vehicle mounted; and with varying launch mechanisms.

All platforms have a unique aerodynamic configuration that enables maximum maneuverability with pinpoint lethal-strike accuracy and mission abort and reengage capability.





# On Land

## Simple Deployment and Flexible Operation

Extremely lightweight, and man-pack portable, the HERO loitering munitions can be carried right into the heart of the battle and deployed within minutes. With a pneumatic launch, low noise and low thermal, visual and radar signature, HERO is a silent, invisible, surprise attacker – a major asset both in rural and urban battlefields.

Based on extensive field experience and tested in combat, the HERO highly advanced munitions are **simple to operate**, specifically tailored for use of land forces in harsh conditions. With their unique ability to **Transfer the Control** between different units and forces in the battlefield while in midair, the HERO series allows the modern soldier to utilize the advantages of the entire line of munition at his will. HERO series provide **Full commonality**, offering even frontline dismounted units, and small light forces, highly accurate long-range heavy firepower combined with advanced ISR that until now was only achieved by complex cooperation between several units and echelons. They bring a whole new range of operational possibilities to the land-forces battleground.

## Variety of Missions & Targets for all Echelons

The HERO system has consistently demonstrated effectiveness against variety of targets, such as infantry and human targets, moving light-duty vehicles, tanks, fortified enemy positions, air defenses and key high-value installations – delivering a significant advantage in today's conflicts.

With rapid deployment, independent target acquisition and attack capabilities, the unique HERO loitering systems can be utilized by all military echelons – from the individual soldier to central command – for both strategic and tactical missions.

**In urban fighting and populated-area** the Hero-20,30,70 and 120 provide unprecedented tactical advantages, allowing the forces independent ability to locate, identify and track small, time-sensitive 'illusive' targets and conduct a pin-point 'calculated' strike. If necessary the HERO systems can minimize collateral damage, by allowing the forces to Validate the need to attack, and by their unique ability to conduct a midair full abort of the strike, re-enter loitering mode, and then resume the attack, or be re-assigned to other targets.

**On rural and 'open' battlefield the Hero – 70,120,250 and 400EC** can carry out accurate, lethal and surprising attacks against mid-range hard targets – tanks, vehicles, concrete fortifications, air defenses and other high-value enemy objects. Due to the unique NLOS control and guidance, the operating soldiers can conduct the attack from secure positions, allowing them much improved survivability.

**Special forces** can independently operate the back-packed portable Hero-30, 70 and 120, as well as utilize and control Hero-400EC and hero-900, launched as rear-support, to achieve their unique missions.

**Strategic objectives**, high-value targets and installations can be accurately engaged by the heavier long-range Hero-400EC, Hero-900 and hero-1250, which deliver powerful lethal warhead and significant destructive abilities.







# At Sea

## Multi-Dimensional Coverage of the Naval Arena

The HERO series of Lethal Loitering Munitions provides new and unique operational solutions to the different dimensions of the Naval warfare. Their extended range and unique transfer-of-control trait, offer versatile use, improved cooperation and synergy between vessels and other units along with quick response to fast evolving threats.

Launched from single or multi-canister launchers, and easily integrated to existing Naval C2 and target-acquisition systems, HERO systems bring highly-affordable solutions to the growing challenges of the complex Naval arena.

- **Sea to Sea** – The Hero-30,70,120, 250 and Hero-400EC systems provides new and highly affordable alternatives to the on-deck medium range anti-ship missile systems currently in use. They allow improved independent target acquisition and firepower, and enhanced cooperation between operating vessels. While countering small, fast-moving possible threats, they also bring additional operational value by allowing the firing ship to 'investigate' suspicious targets, Validate the need to attack, and carefully choose the aim-point to allow 'calculated' effect.
- **Sea to Shore** – The Hero-30,70,120, 250 and 400EC Loitering Munitions allows operating vessels to Locate, Track and Attack hidden targets, even when such targets are not in direct line-of-sight or behind obstacles (like coast-line buildings). This can be done from safe distance that will protect the firing vessel from many of the cost-line threats, significantly increasing most Offshore Patrol Vessel's (OPVs) operational range.
- **For Marines** – the HERO Systems Unique Ability to Transfer the Control over the munition while it is in midair, allow unprecedented combination of highly accurate long-range heavy firepower with advanced ISR. Supporting launch of Hero-30, 70, 120, 250 or 400EC Loitering Munition can be done from a supporting vessel, and the control can be transferred to the on-shore marines, allowing them to locate and engage the enemy. The Marines ability to carry man-pack portable HERO systems allows for enhanced long-range pin-point strike capabilities for a variety of operational objectives. The Hero-30, 70 and 120, can be carried and launched from a landing craft during beach landing, or be used for accurate surprise attacks against land targets while on land.
- **For Coastal Defense** – the Hero-250 and 400EC Loitering Munitions provide a unique advanced medium-range solution, which is both Lethal and highly affordable compared with current systems in use. Their unique ISR and loitering capabilities provide additional high value when the suspected threat needs to be visually located and checked, to avoid mistakes with civilian 'innocent' vessels.



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# In the Air

## Enhanced Lethality and Higher Survivability

The HERO Lethal Loitering Munitions can be launched from a wide choice of aerial platforms.

The systems are seamlessly integrated into the air-vehicle avionics suite - hence allowing the aircrew to simply operate the munition using the standard controls. The flight and guidance of the HERO munitions is done from the platform, and can also be transferred to fighting forces on the ground. This dramatically enhances the lethality and operational range of the air-platform, and its ability to counter low-signature time-sensitive targets, allowing it much greater ability to support the ground (or Naval) forces.

The Loitering Munitions ability to operate at lower altitudes, many times lower than the clouds, increases the operational flexibility of the air-platform, especially in near-terrain-flying altitude airspace. While operating the HERO systems, the aerial platform can stay in a stand-off position, significantly lowering its exposure to possible threats, and allowing it to penetrate and neutralize many advanced air defenses.

All HERO Systems are designed to operate in challenging battlefield conditions, including GPS denied environment and communication interferences. This makes them highly suitable for the modern battlefield.



# The HERO Series of Loitering Munitions



## HERO-30

**Weight (with canister):** 7.8 kg  
**Warhead:** 0.5 kg  
**Range:** 15+ km  
**Endurance:** 30 min  
**Motor:** Electric  
**Launch method:**  
Single/Multi-Canister

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## HERO-90

**Weight (with canister):** 12 kg  
**Warhead:** 1.2 kg  
**Range:** 40+ km  
**Endurance:** 45 min  
**Motor:** Electric  
**Launch method:**  
Single/Multi-Canister

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## HERO-120

**Weight (with canister):** 18kg  
**Warhead:** 4.5 kg  
**Range:** 60+ km  
**Endurance:** 60 min  
**Motor:** Electric  
**Launch method:**  
Single/Multi-Canister

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## HERO-400EC

**Weight:** 50 kg  
**Warhead:** 10 kg  
**Range:** 120+ km  
**Endurance:** 2 hr  
**Motor:** Electric  
**Launch method:**  
Rail, Single/Multi-Canister

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## HERO-900

**Weight:** 110 kg  
**Warhead:** 30 kg  
**Range:** 150 km  
**Endurance:** 6 hr  
**Motor:** Gasoline  
**Launch method:**  
Rail, Single/Multi-Canister

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## HERO-1250

**Weight:** 155 kg  
**Warhead:** 50 kg  
**Range:** 200+ km  
**Endurance:** 10 hr  
**Motor:** Gasoline  
**Launch method:**  
Rail, Single/Multi-Canister

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## About UVision Air Ltd.

UVision Air Ltd. designs and manufactures combat-proven Loitering Munition Systems, providing militaries around the globe with precise and effective operational attack capabilities. The innovative, cost-effective Systems are based on cutting-edge technology and 30 years of extensive field experience by a professional management and engineering team.

The HERO Systems provide high precision strike capabilities based on unique aerodynamic platform configurations. UVision Loitering Munitions are designed for unique flight and attack profiles for the most precise attack in their class. UVision integrates advanced airborne guidance and sophisticated on board navigation algorithms, combined with C4I stations – hence meeting the requirements of today's and tomorrow's modern battlefield challenges for combat in complex, dynamic environments.

The HERO Series of Loitering Munitions are suitable for tactical and strategic targets - whether for short, medium or long ranges. The modular design provides flexibility to use a variety of warheads to ensure maximum mission effectiveness. The units are operationally deployed and field-proven.

UVision is an ISO certified company ensuring the highest quality standards are maintained. UVision is committed to providing turnkey solutions to its extensive network of partners and customers located around the world with high quality and fast response support.

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