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Fuse™



BY Elbit Systems C4I and Cyber

# *Your **IMPACT** on tomorrow's Battlefield*

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ROBOTICS AND  
AUTONOMOUS SYSTEMS

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# DFNDR

**Mission-ready remotely operated  
drone station**



In today's complex operational scenarios, mission success often hinges on the ability to respond instantly to emerging threats. The DFNDR autonomous remote operation drone station provides advanced monitoring, battery charging and cooling/heating controlled environment, specially adapted for the Magni-X family.

Each DFNDR hosts a folded Magni-X drone, providing ambient conditions and charging current that ensure operational readiness for up to three years, for both ISR and assault applications.

The DFNDR supports decentralized drone swarm architecture and each station is reusable for many years.

# DFNDR

## Mission-ready remotely operated drone station



### Mission-ready:

The DFNDR remains in standby, charged and ready for immediate deployment.



### Rapid response capability:

The operator can monitor and activate the unit remotely, automatically releasing the Magni-X.



### Cost-effective:

Low power and space requirements allow for the storage of multiple units in a central location.

## Key Advantages

- MIL-STD-810F station
- Supports decentralized drone swarm architecture with no single point of failure
- Autonomous operational readiness for up to three years
- Multi-use platform station
- Climate-controlled storage
- Automatic remote operation
- Minimal power consumption
- Compact form factor
- Cost-effective storage and operation



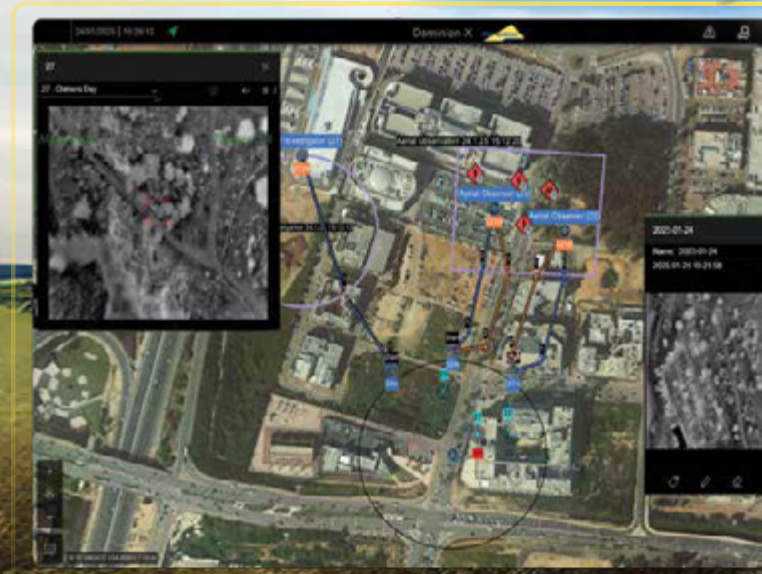
# Dominion<sup>TM</sup>-X

Unmanned autonomous mission  
management system



# Dominion™-X

**Unmanned autonomous mission management system**



The strategic expansion of unmanned platforms in multi-domain warfare, highlights the need for enhanced integration and interoperability. This evolution demands sophisticated, intelligent technologies to enhance operational and combat effectiveness. Empowering combat units with a comprehensive solution for autonomous mission planning, execution and management of multiple robotic and autonomous platforms is particularly relevant in distributed large-scale autonomous systems, -ensuring tactical edge superiority, freedom of maneuver, and mission success while significantly reducing risk to soldiers.

## System Overview

Dominion-X is a battle-proven framework for autonomous systems operation that enables the planning, operation and management of heterogeneous robotic platforms and payloads, in multiple domains. The open and robust software stack, enables autonomous UGV and UAS operation management capabilities, from single platform to swarm missions.

The management system recommends the optimal platforms and payloads and plots the route for each unmanned autonomous mission. The approved mission plan can be modified manually by the operator as needed. The system enables multi-asset collaboration, featuring a range of services and functionalities and diverse payloads.



**One-to-Many:** One central control system for management, planning and execution of single or multiple platforms and missions.



**Configurable and customizable:** The system enables users to easily create diverse operational plans.



**Open architecture:** Dominion-X features a multi-layered and scalable modular open architecture. The system supports multiple standards, including ROS/ROS2 (open robotics standardization), DDS, JAUS (ground robotics standardization), MAVLink and more.



**Integrated decision management capabilities:** The modular and scalable AI-based decision management system (DMS) for dynamic collaborative planning, enables teamwork within distributed systems. The DMS facilitates complex task planning and allocation for effective synchronized mission execution and enables communication among team members.



**Autonomous management system:** Enables the operator to plan and execute tactical autonomous missions performed by unmanned robotic platforms and heterogeneous swarms. The system plans missions based on user inputs, including mission type (e.g., force protection, scan and discover, mapping, seek and strike, patrol), resources of platforms with payloads, time and duration (automatic overwatch, hot-swap planning) and location (mission area, takeoff and landing, no-flight zones). Advanced Edge AI and Edge DMS allow robotic platforms (UGV/UAV) to perform autonomous missions and collaborate with other swarm members.

### Key Benefits

- Battle-proven: In operational use worldwide
- One-to-Many: Complete solution for single/swarm platforms
- Modular framework: Multi-layered and scalable
- Customizable: User-defined missions and operational use cases
- Standard protocols: ROS/ROS2, JAUS
- Platform agnostic

### Key Features

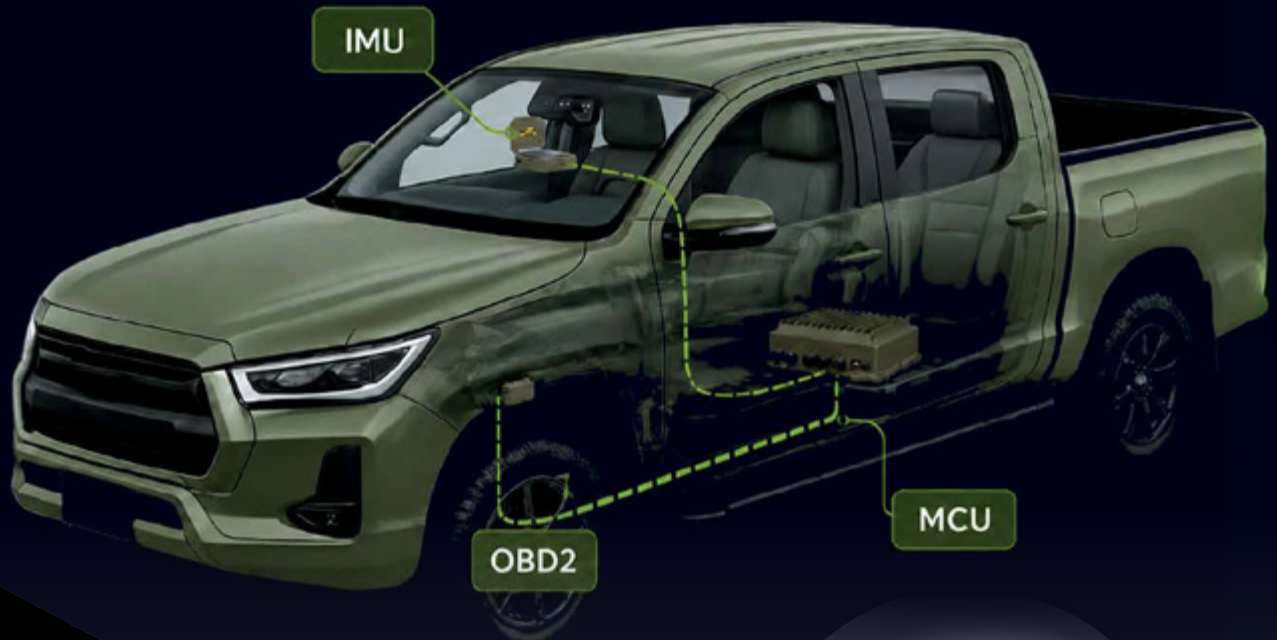
- Open architecture
- Configurable: Low code interface
- DMS: AI-based dynamic, collaborative mission planning
- Multiple heterogeneous tasks under one mission
- Autonomous and remote airfield management
- Obstacle avoidance algorithms based on EO and LiDAR
- Precise and safe landing algorithms
- Flight path planning and control

### Operational Use Cases

- Autonomous UAS/UGV Missions
- HMT Tactical Maneuvering
- Seek and Strike Swarming
- HLS/Border Security
- Intelligence and Terrain Dominance
- C-UAS

# EVPS

## Enhanced Vehicle Positioning System



Ground vehicles operating in combat environments require reliable navigation capabilities to maintain safe and effective operation when GPS is unavailable or degraded.

EVPS (Enhanced Vehicle Positioning System) is a standalone self-positioning and navigation solution that integrates seamlessly with existing vehicle systems. Built for both on-road and off-road missions, EVPS supports manned, remotely operated, and autonomous vehicles. The system interfaces with navigation and mapping applications, vehicle control systems, smartphones, and tablets to provide accurate, real-time location-based guidance.

## System Overview

EVPS technology delivers accurate, resilient positioning in GNSS-denied, degraded, and jammed environments, enabling secure and private operation without reliance on external infrastructure or internet connectivity. The system supports fully passive stealth operation.

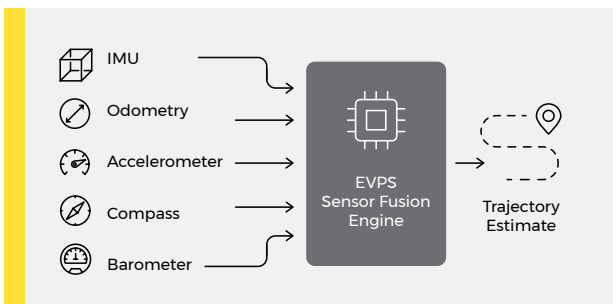
**AI terrain understanding** – Orthophotos and Digital Terrain Models (DTMs) are processed using AI to generate semantic map layers.



**Map-aided localization** – The fused vehicle trajectory is continuously matched against the intelligent map, providing accurate and resilient localization in GNSS-denied environments.



**Multi-sensor fusion** – EVPS fuses data from multiple onboard sensors, including the IMU, odometry, accelerometer, compass, and barometer, to generate a robust, drift-aware estimate of vehicle motion.



## Key Advantages

- Reliable navigation in GNSS-denied and jammed environments
- Day/night and all-weather operation
- Independent self-positioning
- All-terrain, on- and off-road operation
- Seamless integration with navigation and mapping applications
- Smartphone and tablet connectivity
- Fully passive stealth operation

# FireFox

## Autonomous and Resilient Drone-Based Weapon Family



### **Autonomous, Mission-Ready Family**

The FireFox family is a modular, military-grade drone-based system, designed for rapid deployment and operation in complex battlefield environments.

### **Resilient in Contested Environments**

Advanced navigation and secured fiber-optic communication, with a range of up to 40 km, enable reliable operation in GNSS-denied and EW-contested environments.

### **Integrated Command and Control**

Integration with Elbit Systems' Dominion-X C<sup>2</sup> system supports seamless mission management, from individual drone operation to coordinated multi-drone missions.

### **Flexible Operational Deployment**

The FireFox family supports multiple platform sizes and deployment configurations, enabling adaptation to diverse operational requirements while maintaining a zero RF signature.

### **Payload Compatibility**

A flexible payload architecture supports lethal and non-lethal mission payloads, including compatibility with the XCALIBER family.



# FireFox

## Autonomous and Resilient Drone-Based Weapon Family



| Main Features | FireFox L              | FireFox M        | FireFox S        | FireFox Indoor  |
|---------------|------------------------|------------------|------------------|-----------------|
| Prop          | 17 inch                | 15 inch          | 10 inch          | 5 inch          |
| Range         | Up to 40km Fiber Optic | 20km Fiber Optic | 10km Fiber Optic | 1km Fiber Optic |
| Cruise Speed  | 90kph                  | 90kph            | 90kph            | 1-3 m/s Indoor  |
| Max Payload   | 2.2kg                  | 2.2kg            | 1.3kg            | 0.7kg           |
| Endurance     | 30-35 min              | 20-25 min        | 10-13 min        | 7-10 min        |



### Scalable Launch Architecture

Canister-based configurations support single or multiple FireFox deployment.

### Rapid Mission Readiness

Designed for fast setup, launch and sustained field operations.

### Military-Grade Design

Ruggedized for demanding operational conditions and military applications.

### Coordinated Multi-Drone Operations

A single operator can manage multiple FireFox drones simultaneously.

# Magni™-X

Micro multi-rotor SRR platform



Part of the Robotic Autonomous System (RAS) combat solution, the Magni-X VTOL (vertical takeoff and landing) micro-UAS is a fully autonomous military multi-rotor platform with a sophisticated close-range observation system. Suited for a wide range of missions and applications, the Magni-X is specially designed for Short Range Reconnaissance (SRR) and for the urban arena, providing day and night intelligence imagery powered by advanced AI algorithms for tactical combat units.

The Magni-X military grade FCC (flight control computer), along with powerful HW processing capability and enhanced navigation solutions, makes it ideal for intelligence applications in hostile environments.

Magni-X is powered by Dominion™-X, Fuse's advanced mission software, providing real-time flight data, live video, and intuitive control throughout every stage of the mission. From planning routes, speed, altitude, and takeoff and landing sites to updating target coordinates in real time, Dominion™-X enables autonomous mission execution while allowing the operator to remain focused on the payload and target.



# Magni™-X

## Micro multi-rotor SRR platform



## Operational Advantages

- Advanced tactical combat suite supporting rapid deployment
- Agile flight control and precision landing
- Onboard computing power supporting advanced AI algorithm for collision avoidance
- Multi-drone capabilities

## Key Features

- Dominion™-X compatible
- MIL-STD-810G
- NDAA certified
- TRL9 platform
- Fully autonomous tactical UAS
- Military grade FCC (flight control computer)
- Classification and object tracking capability using advanced AI algorithm
- Object detection and obstacle negotiation capability
- GNSS-denied environment capabilities
- Advanced and immune data link using antenna diversity scheme
- Very low radar and acoustic signature

## Technical Specifications

| Parameter                             | Description                             |
|---------------------------------------|-----------------------------------------|
| Maximum takeoff weight (MTOW)         | 3.5 kg                                  |
| Maximum payload weight                | 1.5 kg                                  |
| Maximum endurance                     | 60 min                                  |
| Range                                 | 10 km/15 km<br>Omni/directional antenna |
| Operational speed                     | 0-45 km/h                               |
| Max operational alt (ASL)             | 12,000 ft                               |
| Data link                             | L/S-Band & LTE (optional)               |
| Fully integrated operational solution |                                         |



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# MagniTUDE

Military tactical attack drone



**1.2 kg**  
M66 bomb

Up to  
**15 km**  
Range

Up to  
**45 min**  
Endurance

MTOW  
**<5 kg**

**Targets**



A precision-strike military tactical drone equipped with Elbit Systems' M66 munition, MagniTUDrone is engineered for maximum operational effectiveness, while integrating advanced and robust mechanical and electrical safety mechanisms.

The MagniTUDrone features powerful hardware with AI capabilities for classification, tracking and predictive algorithms for strike precision.

# MagniTUBE

## Military tactical attack drone



## Key Advantages

- Military tactical TRL 9 multi-mission platform
- Redundant military-grade avionics
- Military tactical data link solution
- GNSS-denied integrated capability
- Up to 45 minutes flight time and 15 km range
- Powerful hardware using advanced AI algorithm
- Fully operational within 2 min by a single operator



## Technical Specifications

| Parameter                          | Description                                              |
|------------------------------------|----------------------------------------------------------|
| Typical operational altitude (AGL) | 10-2000 ft                                               |
| Range                              | 10 km/15 km omni/directional antenna                     |
| Operational speed                  | 0-45 km/h                                                |
| Maximum altitude (ASL):            | 12,000 ft                                                |
| Maximum takeoff weight             | < 5 kg                                                   |
| Data link                          | L/S-Band & LTE (optional)                                |
| Payload weight / endurance         | 250 g payload: 60 minutes<br>1.5 kg payload: 30 minutes* |
| Compliance                         | MIL-STD-810 F                                            |

\* M66 bomb + EO/IR payloads

### Ammunition

|                     |                               |
|---------------------|-------------------------------|
| Munition type       | Elbit Systems' M66-based bomb |
| Ammunition weight   | 1135 g                        |
| Safe and arm        | Electronic                    |
| Storage temperature | -46 °C to +71 °C              |
| Compliance          | MIL-STD-810 F                 |

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# MagniXor

Military loitering munition drone



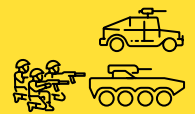
Up to  
**1 kg**  
Warhead

Up to  
**15 km**  
Range

Up to  
**60 min**  
Endurance

MTOW  
**<5 kg**

**Targets**



In today's rapidly evolving battlefield, engaging high-value, time-sensitive targets demands speed, precision and minimal risk to frontline forces, exactly what the compact, backpack-portable MagniXor loitering munition provides.

MagniXor serves as the final link in the sensor-to-shooter chain: an autonomous, seek and strike solution that combines real-time target acquisition and immediate engagement while keeping the operator in the decision loop. Built for deployment at the tactical edge, the system offers soldiers a ready-to-fly capability that excels in dense urban and complex terrain.



# MagniXor

## Military loitering munition drone



MagniXor combines advanced autonomy with lethal precision, delivering more than 30 minutes of endurance and the capability to engage priority targets at ranges of 10-15 km. Its modular warhead neutralizes light vehicles, infantry and other high-value threats, while autonomous navigation, SLAM mapping and onboard AI analytics classify and track targets with precision.

Man-in-the-loop control ensures strikes can be aborted or redirected at any stage. Designed for rapid deployment and intuitive operation, MagniXor integrates with encrypted command-and-control (C<sup>2</sup>) networks, teams with other unmanned systems, and is engineered for future swarm capabilities.

## Technical Specifications

| Parameter                          | Description                                              |
|------------------------------------|----------------------------------------------------------|
| Typical operational altitude (AGL) | 10-2000 ft                                               |
| Range                              | 10 km/15 km omni/directional antenna                     |
| Operational speed                  | 0-90 km/h                                                |
| Maximum altitude (ASL):            | 12,000 ft                                                |
| Maximum takeoff weight             | 5 kg                                                     |
| Data link                          | L/S-Band & LTE (optional)                                |
| Payload weight / endurance         | 250 g payload: 60 minutes<br>1.5 kg payload: 30 minutes* |
| Compliance                         | MIL-STD-810F                                             |

\* Warhead + EO/IR payloads

## Key Advantages

- **Autonomous loitering munition:** AI-guided seek-and-strike with operator-in-the-loop control and abort/return capability.
- **Programmable proximity and impact fuze:** Configurable for fragmentation, armor-piercing or thermobaric effects.
- **Military-grade avionics:** Redundant sensors and GNSS/GPS-denied navigation capability for contested environments.
- **Embedded safety mechanisms:** Electronic safe-and-arm device allows safe transition between armed and disarmed modes.
- **Networked C<sup>2</sup> integration and swarm readiness:** AES-encrypted datalink supports multi-vehicle teaming and future swarm operations.
- **Flexible deployment:** Supports backpack-carried launch, vehicle-mounted pods or fixed installations, offering cost-effective versatility across mission profiles.

# Strix 1200

**Comprehensive integrated tactical drone-based weapon system**



Designed to eliminate the challenges faced by warfighters, the Strix 1200 ensures unmanned aircraft are free from manual control, battery swaps, or charging interruptions during deployment.

The system features a universal, modular landing pad that can integrate with a variety of commercial or military drone. Strix 1200 offers exceptional capabilities for protection of borders and military facilities. It enables autonomous operation of drones along borders or bases with safe take-off and landing, for routine patrols and incident response, reducing response time and saving personnel costs.

The Strix 1200 system provides tactical forces with a portable means of protection. The drone can automatically take off and land, maintaining favorable environmental conditions and charging without the need to change batteries. The solution can be mounted on the ground or on top of a vehicle and supports a "hive" mode of multiple units in a swarm.



# Strix 1200

Comprehensive integrated tactical  
drone-based weapon system



**Seamless Operations** – Eliminates manual control, battery swaps and charging interruptions for unmanned aircraft during deployment.



**Agnostic Integration** – Versatile docking station integrates with a variety of aircrafts. Modular design allows for single unit or up to 8 drone stations for small swarms.



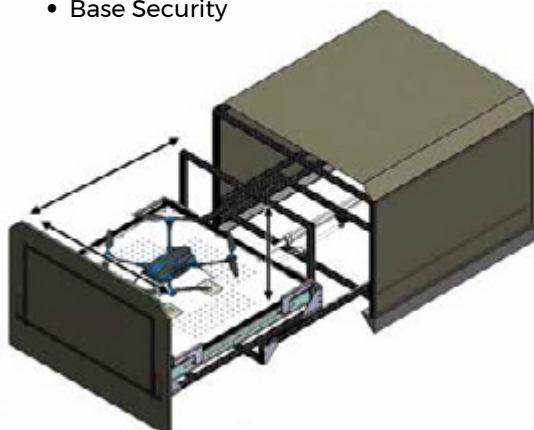
**Battle-Ready Construction** – Engineered for military vehicles with tailored suspension. Configurable for optimal performance and security in mission scenarios.



**Landing Pad** – Allows for autonomous landing via various precision landing options, self- positioning mechanism (XY SYSTEM) and charging pads.

## Applications

- Border Security
- Tactical Force Protection
- Tactical Maneuvering
- Base Security



## Technical Data

- Inner volume of 1.240m x 1.162m x 0.4m for the drone
- Always ready in standby mode, take-off in up to 20 sec
- Weight: ~100kg
- Environmental conditions: (-10) – (+49)°c (14–120°f) IP56 rating and IP53 rating while opened
- Thermal isolation for maintaining the internal temperature to fit the drone and battery

## Electrical Data

- Power supply – 220vAV@50Hz / 110vAC@60Hz @ 10A via a power grid
- Can be connected to a 12vDC or 24vDC vehicle
- System charger can transfer up to 20A
- Control system can be accessed via RJ45 ETH connection or wirelessly



# TerminaTHOR™

Tactical air drop munition system



**6x1.2 kg**  
M66 bomb

Up to  
**20 km**  
Range

Up to  
**45 min**  
Endurance

MTOW  
**<25 kg**

**Targets**



## Redefining Aerial Combat with Precision and Versatility

TerminaTHOR is a game-changing tactical air drop munition system, designed to revolutionize combat operations from above. In a landscape prioritizing speed, precision and versatility, TerminaTHOR empowers infantry squads and elevates combat effectiveness.

## Rapidly Deployable Weapon System

Supports diverse operational scenarios, featuring a powerful foldable, backpacked platform capable of operation in various weather and terrain conditions. Equipped with autonomous takeoff, precision landing and autonomous mission flight capabilities, TerminaTHOR offers an agile, compact and fully stabilized weapon system.

Designed to extend infantry squad lethality, TerminaTHOR excels in standoff warfare, swiftly engaging low-signature enemies across multiple combat scenarios. Whether in urban, force protection, or border defense operations, TerminaTHOR delivers unmatched performance and adaptability. With its advanced capabilities, TerminaTHOR enables fire loop closure, ensuring a swift and decisive response to manned threats or light armored vehicles on the battlefield.



# TerminaTHOR™

## Tactical air drop munition system



## Main Applications

- **Force protection:** Safeguarding personnel and assets in high-threat environments.
- **Combat in urban terrain:** Navigating complex urban landscapes with precision and efficiency.
- **Special forces operations:** Providing elite units with the firepower required to accomplish critical missions.
- **Combat in open terrain:** Securing vast expanses with rapid response and firepower.
- **Border defense:** Maintaining border integrity and deterring hostile incursions with vigilance and readiness.

## Technical Specifications

### System

|                               |                                      |
|-------------------------------|--------------------------------------|
| Max operational altitude      | 600 m AGL                            |
| Range                         | 10 km/20 km omni/directional antenna |
| Operational speed             | 0-60 km/h                            |
| Maximum Takeoff Weight (MTOW) | <25 kg                               |
| Data link                     | S-Band                               |
| Total payload weight          | Up to 9 kg                           |
| Endurance                     | Up to 45 min                         |
| Compliance                    | MIL-STD-810 F                        |

### Ammunition

|                     |                               |
|---------------------|-------------------------------|
| Munition type       | Elbit Systems' M66-based bomb |
| Ammunition weight   | 1135 g                        |
| Safe and arm        | Electronic                    |
| Storage temperature | -46 °C to +71 °C              |
| Compliance          | MIL-STD-810 F                 |

## Key Benefits

- **Autonomous mission and flight**
- **TRL9 solution**
- **Military tactical bag-packed solution**
- **Safe & arm with abort capability**
- **Organic lethality for Seek & Strike missions**
- **Fast reaction and precision engagement** against a low signature enemy.
- **Enhanced lethality:** Superior performance in urban terrain, force protection duties and border defense operations.
- **Lightweight system** designed to be carried, deployed and operated by a single soldier.

## Key Features

- **Elbit Systems' M66-based bomb:** Ensures lethal precision with each strike.
- **6 bomblets in each pod:** Maximizes coverage and effectiveness against dispersed targets.



# THOR

Military multi-purpose UAS



The THOR mini UAS is a fully autonomous tactical multi-purpose platform designed to support a wide range of military operational applications, scenarios and missions.



# THOR

**Military multi-  
purpose UAS**



## **Operational advantages**

Suitable for missions in various combat environments, including urban, maritime and open terrain, THOR can operate as a standalone UAS or integrate seamlessly into an autonomous swarm for intelligence missions, mapping, patrolling, search and attack and closing the sensor-to-shooter cycle. THOR features automatic takeoff and landing, autonomous flight, real-time navigation modes, advanced AI algorithms, object detection and recognition and GPS-denied navigation capabilities.

The foldable platform is stored in a backpack for easy, rapid deployment in less than two minutes.

## **Versatile payload configurations**

The tactical, multi-mission quadcopter has payload capacity of up to 9 kg in various configurations. Modular mounting plates and seamless integration enable a high level of versatility. Drone functionality can be switched through quick and easy payload replacement in real time by soldiers in the field.



## ISR

High-resolution, real-time intelligence, surveillance and reconnaissance capabilities, day and night, even in severe weather.

Powerful AI and classification algorithms provide cutting-edge ISR dominance.

- Dual EO/IR 3-axis stabilized camera
- Thermal observation with long-range visible imagery
- VMD/ATR capabilities



## LTD

Targeting and laser target designation at the tactical echelon. Compatible with all major standards, including NATO 3373.

- Integral EO/TI sensor
- Spot detection capability



## Cargo

Carries up to 9 kg of cargo supply such as ammunition, medical aid and logistics.

- EO/IR payload
- Designed for bulk load



## Dropper

Tactical air dropping UAV for a wide array of applications, flexible and easy to maintain. Autonomous flight and operation controlled from the ground control station (GCS).

- EO/IR payload
- Single/multi-dose release modes
- Can carry and deploy up to six grenades of lethal and non-lethal types



# THOR

## Military multi-purpose UAS



## Key Features

- Autonomous flight capability
- Single/Swarm operation
- GNSS-denied navigation
- Advanced AI algorithm
- Object detection and recognition
- Advanced C<sup>4</sup>I mission software
- Foldable and easy deployment
- Mil-Standard

## Technical Specifications

| Parameter                    | Description                 |
|------------------------------|-----------------------------|
| Typical operational alt      | 10-2000 ft                  |
| Range                        | 15 km                       |
| Operational speed            | 0-55 km/h                   |
| Max alt (ASL)                | 12,000 ft                   |
| System weight (inc. battery) | 10 kg                       |
| Flight endurance             | <70 min, with NH2 EO sensor |
| Max payload weight           | Up to 9 kg                  |
| Max takeoff weight           | 25 kg                       |

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# Unmanned Tactical Force (UTF)

Autonomous Recon-Strike system



## System Highlights

A force multiplier for tactical operations, the Unmanned Tactical Force (UTF) system integrates autonomous drone technologies, artificial intelligence (AI), secure communications, and UAS platforms into a multi-drone force capable of mass precision engagement. Delivering rapid response and reduced risk to personnel, the system provides a decisive advantage in combat.



# Unmanned Tactical Force (UTF)

## Autonomous Recon-Strike system



## Operational Advantages

**Multi-drone launch system:** Rapid deployment of drone swarms for persistent wide-area surveillance and high-volume precision target engagement.

**Recon-strike platform:** Long-range OWA drones equipped with day/night anti-tank and anti-personnel payloads, jam-resistant fiber-optic communications, and extended endurance. Features onboard AI-based computer vision and autonomous guidance for immune navigation, automatic target recognition (ATR), and Lock-on-Pixel capability.

**Tactical flexibility:** Mobile multi-drone launchers and C2 platforms capable of independent maneuver, coordinated multi-unit operations, and adaptation to complex combat environments. Interoperable with existing digitized army systems.

**Operational connectivity:** Centralized multi-platform C2, real-time terrain analysis and mission coordination.

### The Challenge:

**High-cost mass recon-strike at 40 km – against mechanized formations and in urban operations**

- High-cost strike systems (fixed-wing loitering munitions)
- Vulnerable ISR platforms
- EW-vulnerable radio data links
- One operator per drone
- Manual preparation and launch requirements
- Operator exposure to enemy targeting

### The UTF Solution:

**An affordable mass recon-strike force – survivable, low-signature, autonomous, minimal manpower.**

- Cost-effective 40 km OWA drones
- Affordable and survivable ISR capability
- EW immunity – Fiber-optic link
- Autonomous hunter-seeker swarms (one-to-many operations)
- Autonomous multi-drone launchers
- High bandwidth, remote operation via remote C2 node

# X-Caliber™

**Add-on munition system for tactical indoor and outdoor drones**



The demanding challenges of combat missions in urban and complex areas require organic and rapidly deployed tactical solutions with attack capabilities.

A unique munition system that easily integrates on a variety of drones, X-Caliber is designed as an add-on solution with multiple payload configurations, including all the necessary sub-assemblies to operate safely and independently of the drone systems.

The integrated system enhances drone lethality in complex environments, allowing the operator to search for and engage with the target remotely, delivering rapid response with minimal user interaction.



# X-Caliber™



Add-on munition system for tactical indoor and outdoor drones

## X-Caliber Package



## System Highlights

**Lethality:** Directional explosive anti-personnel warhead effective to neutralize a threat.

**Safety:** Integrated electronic safe and arm (ESA) device enables a safe transition between safe-to-arm to safe-operational modes.

**Simplicity:** Operated manually by remote control unit, a ground communication unit connected by a cable, and an aerial unit installed on the drone that includes a wireless communication unit and the warhead system. Engagement requires man-in-the-loop approval.

**Easy integration:** Drone-agnostic, suitable for indoor/outdoor missions.

## Technical Specifications

|                         | X-Caliber 20       | X-Caliber 200      |
|-------------------------|--------------------|--------------------|
| Weight                  | 170 g              | 270 g              |
| Dimensions              | 78x82x61.5 cm      | 78x82x61.5 cm      |
| Effective Firing Range  | Up to 2 m          | Up to 4 m          |
| Payload                 | Micro bullets      | Micro bullets      |
| Comms                   | Sub GHz<br>AES 256 | Sub GHz<br>AES 256 |
| Electronic Safe and Arm | Yes                | Yes                |

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