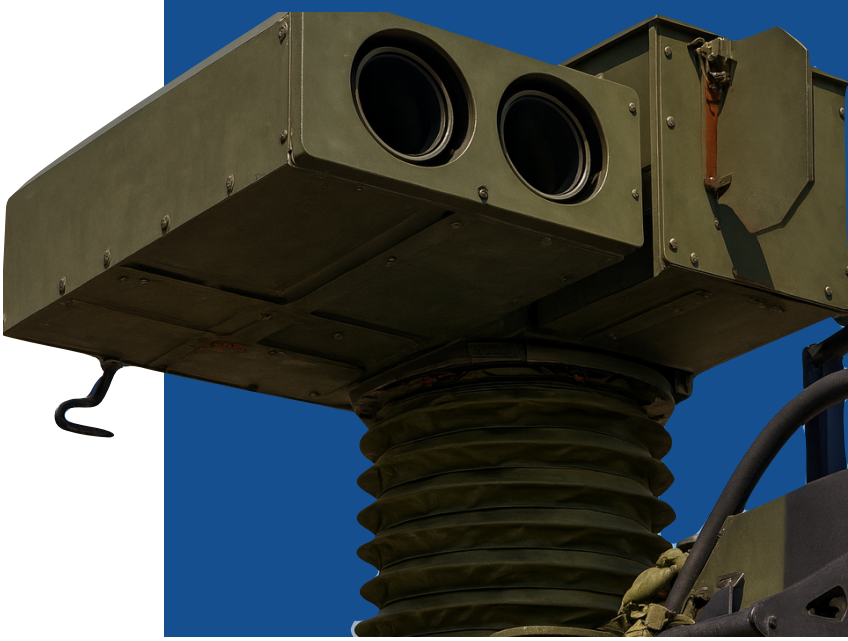
FALCK-SCHMIDT

ODIN-II (ETS-II)

ELEVATED TOW SYSTEM-II

- Remote control TOW-missile system
- Operated from under armor with minimal crew exposure at firing and reload
- Fires all TOW Family of Missiles
- Modified improved Target Acquisition System (MITAS)
- Rotates 360°C degrees, low profile design for transport
- 76 mm grenade launchers
- Easily integrate into a vehicle



ELEVATED SUPERIORITY WITH THE ODIN-II (ETS-II) MAST

Overview
The ODIN-II (ETS-II) is a high-performance, vehicle-mounted elevated mast engineered for heavy-payload missions and rapid, protected operation. With a 2-ton lift capacity and a high-rise deployment height, ODIN-II supports a wide range of mission systems — from anti-armor weaponry to ISR and counter-UAS payloads — while preserving full vehicle mobility and crew safety.

Key Benefits
- Heavy payload capacity: Rated for 2.0 metric tons, enabling larger sensors, larger radars or heavier weapon modules.
- Extended elevation: Launch platform raises ~2.5 m above chassis (line-of-sight ~2.7 m above vehicle top deck), improving sensor/weapon horizon and engagement geometry.
- Protected operation: Fully operable from within the host vehicle with under-armor missile loading.
- Modular vehicle integration: Platform-agnostic mounting and modular interfaces for rapid installation and mission-specific kits.
- Ruggedized design: Built for sustained operation in extreme temperatures and harsh environments.

Technical Summary — General
- Operation: Controlled from inside the vehicle (stationary or while mobile).
- Combat weight: 1.400 kg (carbon-fiber mast configuration; final weight depends on options).
- Power: Nominal 28 VDC, MIL-STD-1275A compatible.
- Elevation: Platform elevates approximately 2.5 m above chassis; line-of-sight increases by ~2.7 m above the vehicle top deck (vehicle dependent).
- Mobility: Full mast elevation with maintained mobility across cross-country and urban terrain.
- Payload rating: 2.000 kg (2 metric tons).

Weapons & Payload Interfaces
- Standard launcher: TOW missile system; two-tube launcher (supports all TOW variants).
    - Ready missiles: 2 (standard).
    - Reload time: < 120 sec. (under-armor reload capability).
- Alternate armament: Integration for 76 mm grenade launcher modules and additional munitions/configurations.
- Drives & actuation: All-electric weapon/turret drives with manual mechanical backup for redundancy.
- Payloads supported: EO/IR turrets, multi-mode radars, EW/ELINT pods, datalinks, C-UAS packages and other mission equipment up to rated payload.

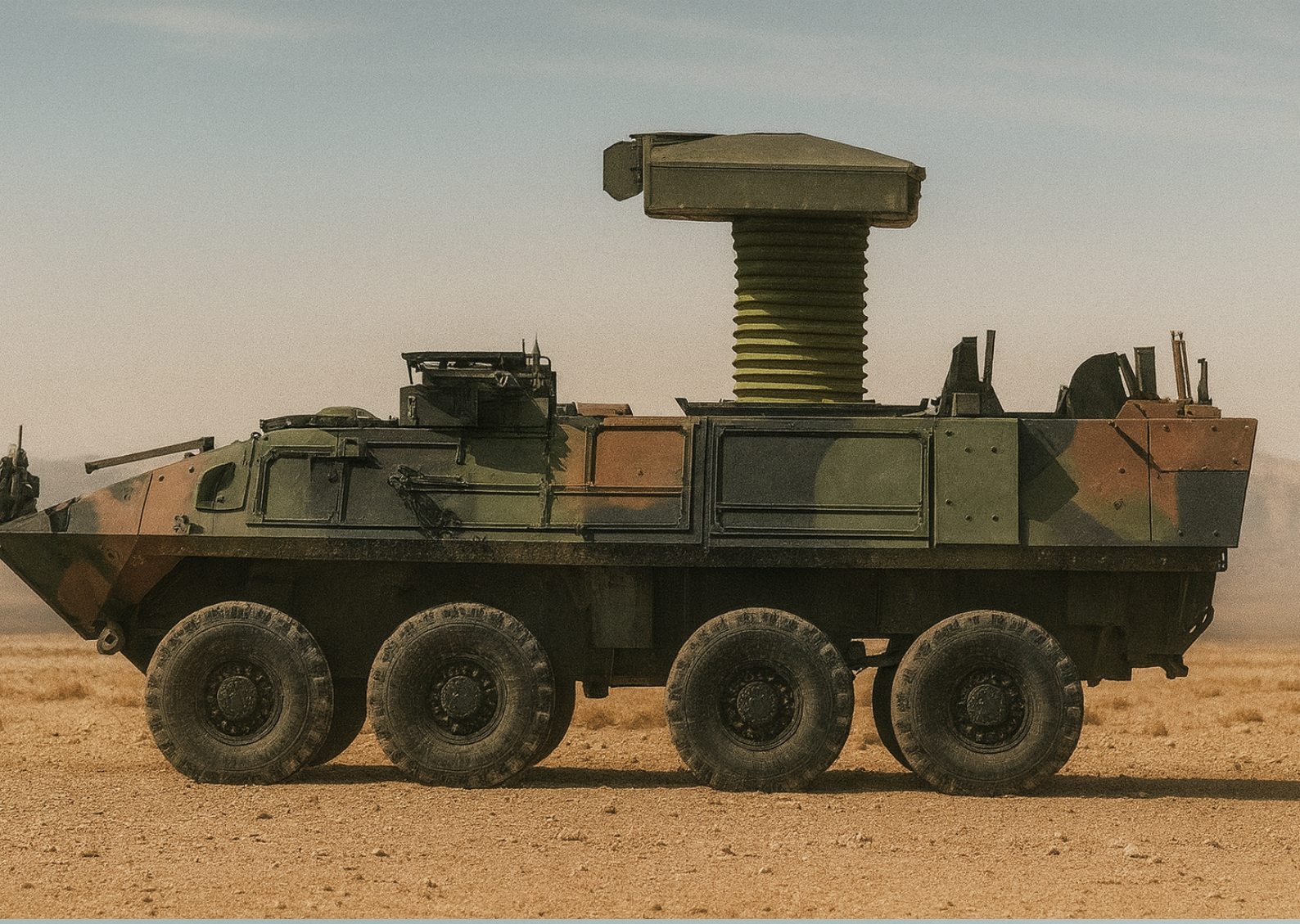
Fire Control & Kinematics
- Engagement accuracy: Comparable to ITAS for TOW engagements and equivalent systems.
- Azimuth: 360°C continuous rotation.
    - Slew rate: > 15°C/sec.
    - Slow tracking rate: < 0.15 mil/sec.
- Elevation: –20°C to +29°C.
    - Slew rate: > 15°C/sec.
    - Slow tracking rate: < 0.15 mil/sec.
- Engagement envelope: Capable of target engagement across the full effective range of supported missiles.

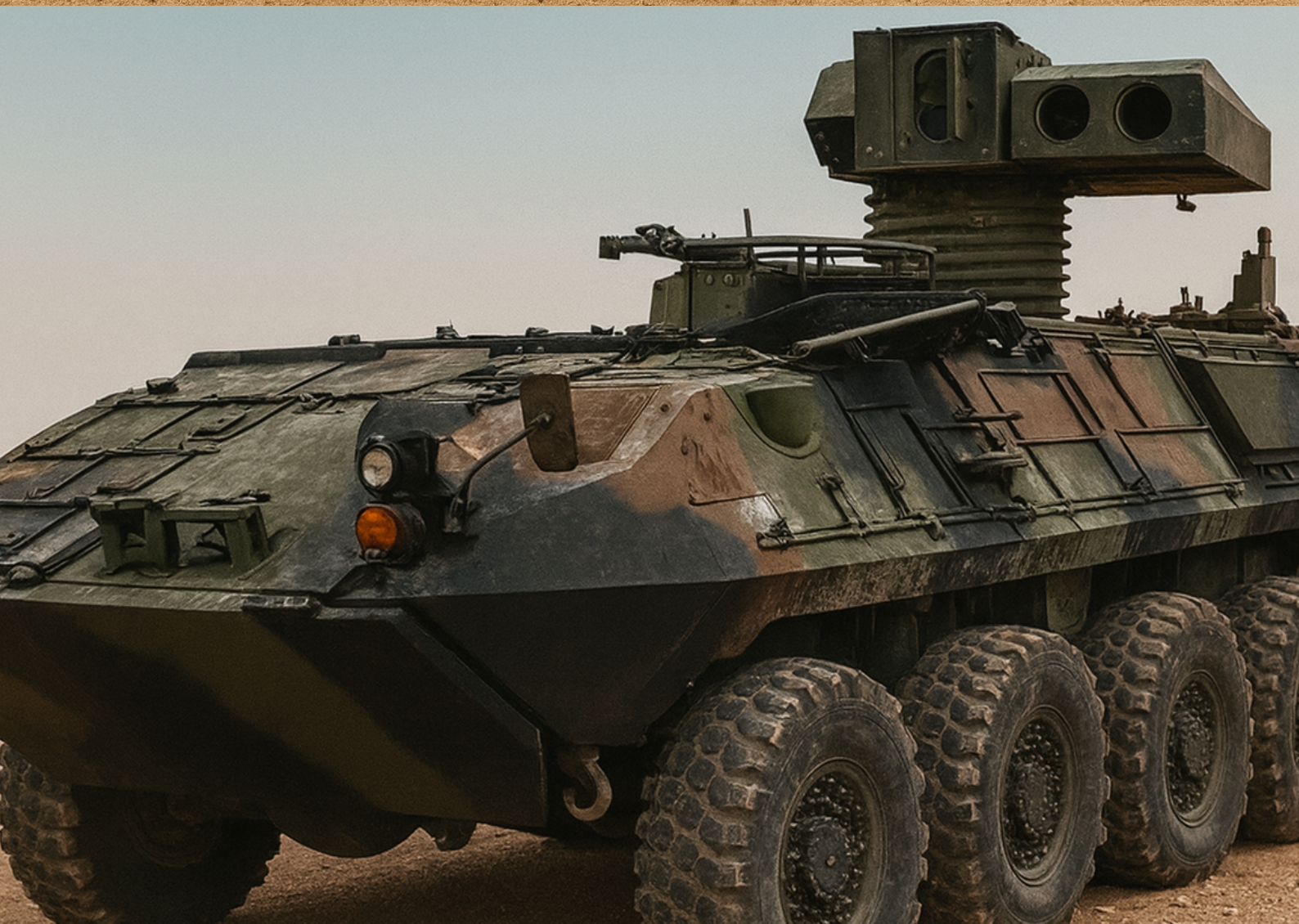
Environmental Envelope & Reliability
- Operational temperature range: –40°C to +70°C.
- Durability: Field-hardened components, corrosion-resistant finishes, sealed electronics, and mission-grade connectors for long service life and low lifecycle maintenance.

Options & Mission Packages
- Overhead weapons station — additional hardpoints and remote weapon capability.
- Stabilized launcher / sight system — gyro-stabilized optics and precision fire control for on-the-move engagement.
- 4-tube launcher system — increased ready rounds for sustained engagements.
- Sensor bundles: EO/IR turrets, medium- and short-range radars, RF/ELINT sensors, datalinks, and counter-UAS suites.
- Custom integration: Tailored vehicle interface, power, and command-and-control packages available per platform.

Integration, Training & Support
- Mounting: Modular mounting frames and vehicle interface kits to minimize chassis modification.
- Logistics: Modular, replaceable LRUs (line-replaceable units) and standard spares to simplify sustainment.
- Field support: Installation services, operator and maintainer training, and logistics support packages available.

Summary
ODIN-II is a robust, mission-flexible elevated mast designed to deliver higher lift capacity and elevated sensor/weapon positioning without compromising vehicle mobility or crew protection. It is optimized for heavy ISR payloads, advanced weapon systems, and multi-role defense applications.





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