



AKERON MP

FIFTH GENERATION LAND & NAVAL COMBAT MISSILE SYSTEM



Sole fifth generation system in service globally

- Lightweight weapon system
- Range in excess of 4,000m
- State-of-the-art missile technologies:
 - High resolution imaging seeker in two bands: colour TV/uncooled IR
 - State-of-the-art image processing and guidance based on AI
 - Inertial measurement unit for resilient and accurate navigation
 - Latest generation tandem shaped charge
 - Highly performant warhead (>1000mm RHA penetration)
 - Fibre-optic two-way data link
 - Soft launch: easy training and installation on any ship
- Stealth firing with smokeless propulsion and no RF emission
- Insensitive to RF jamming
- State-of-the-art firing post technologies:
 - High resolution IR and TV cameras, with fusion mode
 - GPS, telemeter and north finder
 - Image correlation for automatic guidance lock-on
 - Networkable with customer Battle Information System or drones



Operational advantages for maritime domain

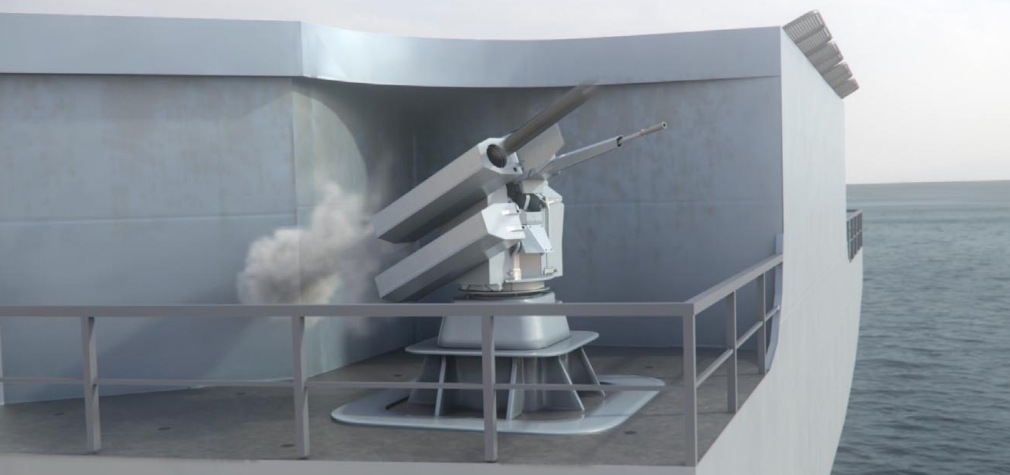
- Always one firing configuration suitable to the operational context
- Light missile for fast and easy reloading sea
- Easy installation on all naval platform (new built or retrofit): on mast or existing remote weapon station with simple kit
- High precision against small and fast vessels, and static or fast moving land targets, at all ranges

Cutting edge technology for outstanding operational flexibility

- Fire & forget mode or firing supervision by the operator for:
 - Retargeting in flight
 - Aiming point optimisation
 - Mission abort
- One munition with multi-purpose capability
 - Anti-heavy armoured platform capability
 - Anti-intra and anti-vessel for maximum blast and anti-personnel effect
- Various trajectories, for direct hit to top attack
- Multiple firing modes
 - Lock-On-Before-Launch (LOBL) with automatic target lock-on
 - Lock-On-After-Launch (LOAL) with possibility to fire on target coordinates
 - Specific LOBL mode with seeker image stabilisation for firing from RHIB

Simplified logistics

- Maintenance-free ammunition
- Insensitive ammunition
- Each ammunition is multipurpose (anti armour, anti personnel, anti light craft, anti infrastructure)
- Same configuration for naval, infantry and cavalry



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AKERON MP launching unit on a mast

- Quick installation and easy reloading
- Easy target aiming on land or sea thanks to a specific seeker image stabilisation before lock-on
- Soft and safe firing thanks to soft launch
- Optimal coordination with the team leader with the LynkEUs weapon terminal (pad)
- No installation footprint

AKERON MP on NARWHAL automatic turret

- Remote controlled system
- 20mm gun from NEXTER
- Multisensor turret (IR, TV, telemeter)
- Stabilised turret in Azimuth and Elevation
- Automatic target tracking
- Easy AKERON MP installation on NARWHAL
- Two ready-to-fire AKERON MP missiles
- AKERON MP dedicated multi-function console
 - LOBL with automatic target lock with the turret sensors
 - LOAL on target tracking by on-board radar or optronic
 - LOAL on target localised by a drone
- Salvo firing possibility

Technical characteristics/specifications

Missile

- Weight:** 15kg (including tube)
- Length:** 1.3m in tactical canister
- Diameter:** 140mm
- Range:** in excess of 4,000m
- Real time two-way data link (fibre optic)



Firing post

- Weight:** 10kg (including battery)
- Low power consumption
- Autonomous with battery or can be connected to external power sources