



AKERON MP

FIFTH GENERATION LAND & NAVAL COMBAT MISSILE SYSTEM



AKERON MP is the only 5th generation missile in service combat proven in the world. It has been operationally tested and proven in extreme climates (desert and sub-arctic conditions). The system's design includes the growth potential necessary for future modern land combat systems.

AKERON MP – a multi-role missile providing maximum flexibility to the warfighter

This unique fifth generation land and naval combat missile system is the perfect candidate for combat vehicle integration and dismounted deployment.

- High level of day and night reconnaissance and identification capability
- Lethality against a wide target set including latest MBTs, defended structure and group of enemy in the open
- Forget or Man-in-the-Loop capabilities, even at maximum range
- Man-in-the-Loop allowing retargeting, aim point selection and mission abort in two firing modes:
 - Lock-on-Before-Launch (LOBL)
 - Lock-on-After-Launch (LOAL)
- Uncooled IR seeker allows repeated lock on to potential targets without consuming resources

One missile, all terrain, all combat

- Designed for open field operation or Urban warfare
- Highly efficient against static and fast moving targets
- Target engagement beyond an obstacle in Stand Alone
- Beyond Line-of-Sight engagement with third party designation
- Deployable by mounted and dismounted troops as well as from naval craft

Operational advantages

- One multi-purpose munition with a scalable-effects tandem warhead capable of defeating more than 1,000mm of RHA, all generation ERA, neutralising concealed sniper, soldiers deployed in the fields, light armoured vehicles, mortar group, ...
- Easy to deploy and to use, from desert to Artic environment, with quick reaction operation, smart lock-on target and reversible firing sequence.
- Whatever the combat situation, always the right firing mode, missile trajectory and lethal effect are selectable by the gunner.
- High hit and kill probabilities in all configurations up to 4km+ against static and fast moving targets.
- Sea-to-land and sea-to-sea capabilities from RIB with dedicated naval mode.
- Beyond Line-of-Sight firing capability in networked operations and for cooperative engagement with third party.
- Optimal gunner survivability thanks to:
 - Very low system signatures (sound, heat, smoke...)
 - Stealth data link (fibre optics) resilient to jamming
 - Safe confined space firing capability
 - Firing capability to targets behind a mask
- Air droppable by parachute.
- Integration on vehicle turret.



AKERON MP – high hit and kill probabilities in all configurations at all ranges and in all weather conditions

- Next generation dual band high resolution seeker
- System qualified at 4km+ against a wide target set in all modes (fire and forget, MITL) even at maximum range:
 - hot and cold
 - all generation MBTs, static or highly mobile
 - defended structures
 - enemy in the open
- Optimal effect on MBT's with top attack trajectories and a tandem warhead capable of defeating more than 1,000mm of RHA, and all generation ERA
- Selectable optimal trajectory in anti-infrastructure mode
- Accurate target aiming even at maximum range in LOBL thanks to automatic correlation between the sight and seeker images
- Advanced image processing for pinpoint guidance accuracy
- Firing on target designation with accurate flight path due to Inertial Measurement Unit

AKERON MP digital system

- Highly automated system for minimal operator workload
- Networked Enabled Warfare (NEW) mode
- Seeker and sighting system provide high image qualities in all bands for optimal operator decision making

AKERON MP integration to combat vehicles

- Modular architecture for scalable vehicle integration
- Compatible with armoured vehicles, remote weapon stations, direct firing post adaptation



Technical characteristics/specifications

Missile

- Weight:** 15kg (including tube)
- Length:** 1.3m in tactical canister
- Diameter:** 140mm
- Range:** 4,000m+ all modes, all conditions
- Data link:** Real time (fibre optic)



Interactive firing post

- Weight:** 11kg (including tripod and battery)

- Fully digitised ISTAR node capability
 - latest generation IR band 2 and day camera
 - laser range finder, GPS and digital magnetic compass
- Intuitive man-machine interface
- Machine cooling (no gaz bottle)
- Low power consumption

