



MMP/SEA LAUNCHED

A UNIQUE 5TH GENERATION MULTI-TARGET CAPABILITY FOR NAVAL PLATFORMS

To meet a wide range of naval requirements, MBDA can offer the same highly versatile MMP missile that is already in operational service with land forces.

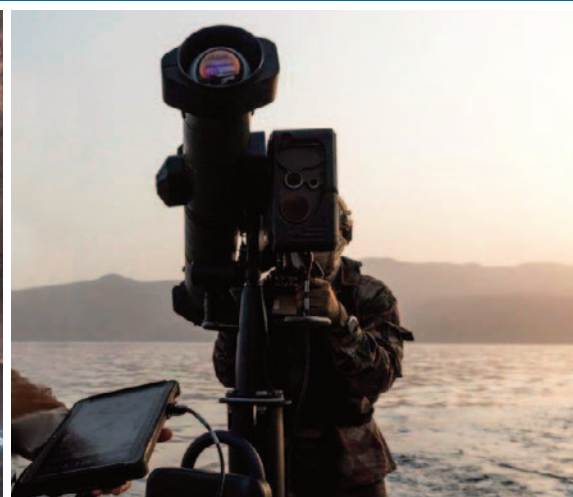
- Three system options (single, twin and quad launchers)
- Lightweight munition (15kg class)
- Range in excess of 4,000m in all conditions
- State-of-the-art technologies:
 - High precision autonomous guided missile
 - High resolution imaging seeker in two bands: colour TV/uncooled IR
 - MEMS IMU for autonomous navigation
 - Real time two-way data link (fibre optic)
- Two firing modes with Man-above-the-Loop (real time back seeker image):
 - Lock-On-Before-Launch (LOBL)
 - Lock-On-After-Launch (LOAL)
- Beyond line-of-sight-engagement capability through third party designation
- Selectable trajectories:
 - Low altitude with direct attack
 - High altitude with top attack
- Latest generation multi-purpose tandem warhead:
 - Anti-heavy armoured platform capability
 - Anti-infra and anti-vessel for maximum blast and anti-personnel effect
- Two-stage main propulsion system with soft launch and smokeless characteristics
- Maintenance-free missile

Operational advantages

- Several deployment options using the same missile
- High precision anti-surface capability against small and fast vessels
- Outstanding beyond-line-of-sight land attack capability against a wide range of littoral targets
- Safe and accurate engagement
- Easy to operate, minimum training requirement
- A light footprint adaptable to all types of naval platform (new build and retrofit)
- Retargeting and aim point selection during flight as needed
- Real time Battle Damage Indication
- Unjammable and stealthy data linking

Outstanding capability of the MMP missile at sea results from:

- Autonomous guidance with Man-above-the-Loop
- Inertial navigation/homing guidance
- Real-time seeker back image displayed to operator
- LOBL and LOAL
- Multi-function warhead
- Light missile for fast and easy reloading at sea



Firing post for light vessels (eg. RHIBs)

- Simple mechanical interface (holder attachment)
- Quick and easy reloading
- Soft launched
- Firing post fully digitised with embedded sensors:
 - Latest generation IR band 2 and day colour camera
 - Laser range finder, GPS and digital magnetic compass
 - Network enabled

Two automatic turret options

- Twin (using MBDA's IMPACT turret) or quad launcher
- Stabilised turret
- Soft launched
- Two or four ready-to-fire MMP missiles
- Missile under protective cover
- Remote controlled system
- Dedicated or multi-function console

Technical characteristics/specifications

Missile

- Weight:** 15kg (including tube)
- Length:** 1.3m in tactical canister
- Diameter:** 140mm
- Range:** in excess of 4,000m

