



# IMPACT TURRET

## INTEGRATED MMP PRECISION ATTACK COMBAT TURRET

To maximise the operational flexibility of MBDA's in-service fifth generation MMP land combat weapon and to provide a range of land and naval platforms with an advanced battle capability, MBDA has developed the IMPACT turret.

The 250kg class remote controlled turret provides an optimised battle capability against a wide spectrum of hard and soft targets for a range of manned light combat vehicles including UGVs (unmanned ground vehicles) and naval platforms including USVs (unmanned surface vessels). IMPACT features a twin launcher on the land variant deploying two ready-to-fire MMP missiles and a 7.62mm general-purpose machine gun. For naval craft the IMPACT launcher also deploys two missiles (there is no machine gun). The firing post operation is commanded remotely either from inside the vehicle cab or at a distance from a laptop console (as would be the case with UGVs and USVs) for maximum operator safety. Following consultation, integration of the turret and its associated systems on the customer's chosen platform is carried out and made ready for full operational use by MBDA engineers.

### Operational advantages

- Missile range in excess of 4,000m
- Networkable for integration within NCW
- Quick and reversible firing sequence
- Next generation multi-purpose warhead (anti-infra, anti-armour and fragmentation) to counter the widest range of land and naval targets
- Next generation uncooled seeker providing operational efficiency day and night and regardless of weather
- Two firing modes:
  - Fire-and-forget with LOBL (Lock-On-Before-Launch)
  - LOAL (Lock-On-After-Launch) for firing against beyond line of sight (BLOS) targets and against target coordinates provided by a third party

In both firing modes, Operator-in-the-Loop remains in play to assure total control of the engagement (and should there be a need to change targets or abort during missile flight)

- Selectable trajectories to maximise lethal effect on target



C/C display

Power unit



## System characteristics/specifications

### MMP missile

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



### Optronics sights

- Infra-red sight (band 2)
- Colour TV (for daytime use)
- GPS
- Laser range finder
- North finder (firing on coordinates)
- Networkable

### IMPACT turret

- Overall weight (excluding missiles): 250kg class
- Gyrostabilised to allow for deployment while on the move
- Remote control station (maximising crew/operator safety as required)
- Ergonomic loading/unloading for ease of use while in the field
- For naval use, a watertight twin launcher is available
- Two options available:
  - Munitions fitted directly to turret
  - Munitions in protective housing

### Machine gun (for the land variants only)

- Type featured in photos: FN MAG 7.62mm (other 7.62 machine guns would also be suitable)
- Magazine: 200 rounds
- Rate of fire: 650-1,000rpm
- Range: 1,000m
- Capable of firing while on the move
- Integral waste bag



Land variants



Naval variant