



MPCV/MMP

MULTI-PURPOSE COMBAT VEHICLE FOR LAND COMBAT

MPCV is the latest generation of high firepower weapon system specifically designed to meet the most demanding requirements of modern combat in both complex urban and open battlefield environments. Already well established in its MPCV/Mistral air defence version deploying the Mistral VSHORAD missile, MPCV/MMP is also available and features MBDA's fifth generation, land combat MMP missile.

The MPCV turret design is focused on modularity and therefore provides the ideal platform for MMP which itself has been designed to be multi-purpose. Housing four MMP missiles (in a 2x2 configuration), this motorised turret is suitable for a wide range of light and medium armoured vehicles (eg. 4x4, 6x6 and 8x8 all-terrain) as well as larger tracked platforms. The gyro-stabilised day/night thermal optical sensor and firing control units are all integrated within the turret. A 12.7 mm (.50 calibre) machine gun completes the system's overall firepower.

The system is completely operable from within the vehicle, or remotely through a state-of-the-art, fully mobile workstation which can be installed in a building, a bunker, or any protected place if static operations are called for.

MMP, already in service with the French Army, offers a wide range of next generation features whether deployed by dismounted infantry from a digital firing post or from armoured vehicles such as MPCV/MMP:

- Next generation, dual band seeker
- Next generation, multi-purpose tandem warhead

Operational advantages

- **Two firing modes with operator-in-the-loop**
 - Lock-On-Before-Launch (LOBL)
 - Lock-On-After-Launch (LOAL)
- **Two seeker bands**
 - Colour TV
 - Uncooled IR
- **Two selectable trajectories**
 - Low altitude with direct attack
 - High altitude with top attack
- **Two selectable warhead modes (2 in 1) with anti-personnel effect**
 - Anti-tank for optimal armour penetration
 - Anti-infra for maximum blast
- Innovative hi-tech features
 - Automatic seeker Lock-On (image correlation)
 - Missile MEMS IMU for autonomous navigation
- Autonomous operation and NCW mode
- Lethality against a wide target set (hot and cold targets) including latest MTBs
- Collateral damage risk limitation



MPCV turret

- Suitable for a wide range of combat, combat reconnaissance and troop transport vehicles
- Offers optimal protection for the operator (operation from within the vehicle or remotely)
- Integrated sensors and firing controls
- Fitted with 2 x twin MMP missile launchers and a 12.7mm (.50cal) machine gun

MMP digital missile

- Passive dual-band seeker (uncooled IR and colour TV channel)
- Firing on target designation with accurate flight path due to IMU
- Two-stage main propulsion system with smokeless soft launch
- Multi-purpose tandem warhead capable of defeating 1,000mm of RHA, 2,000mm of concrete
- Maintenance free

MMP next generation training simulators

- Gunnery training simulator for indoor training based on enriched reality technology
- Combat firing simulator for tactical training in the field

Technical characteristics/specifications

Turret

Firepower: 4 x MMP missiles
plus 12.7mm machine gun

Missile

Weight: 15kg (including tube)

Length: 1.3m

Diameter: 140mm

Real time data link

Range: in excess of 4,000m