

ADVANCED AIR DEFENCE GUN SYSTEM

- > RAPIDFire Land provides a compact, mobile and multi-role solution for today's and future Air Defence missions
- > Based on the 40CTA (40mm Cased Telescoped Ammunition), the new reference for medium calibre, in service on the "state-of-the-art" Jaguar and Warrior armoured vehicles
- > RAPIDFire Land can function either in a coordinated or autonomous mode

◀ ADVANCED AIR DEFENCE SOLUTIONS ▶

RAPIDFire Land

Multi-role Air Defence Gun System based on the 40CTA
Dual capability (Land & Naval)





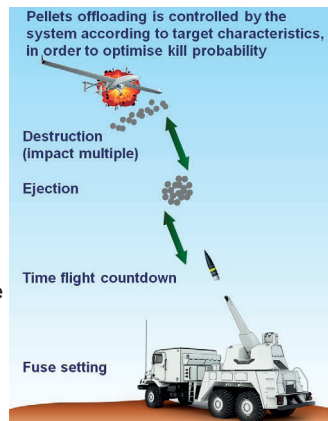
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RAPIDFire Land

Highly Mobile Multi-Role Air Defence Gun System

KEY MISSIONS

- Thanks to its powerful and accurate "all-in-one" gun and optronic fire-control, RAPIDFire Land is an autonomous system
- It is optimised to defeat new air threats such as Unmanned Aerial Vehicles (UAV), helicopters, Fighters Ground Attack (FGA), cruise missiles...
- RAPIDFire Land offers Ground to Ground capability as well
- Either in an autonomous or coordinated mode with a high performance 3D radar and a versatile C2, RAPIDFire Land provides unrivaled anticipation capability



OPERATIONAL BENEFITS

Precision and high firepower:

- Optronic sensors are fitted directly on the turret
- The power of a 40mm gun with the compactness of a 25mm gun
- Latest generation 40mm Cased Telescoped Ammunition
- Target matched firing rate up to 200 rounds/min
- Typical burst against air threats: 1 to 10 A3B rounds
- Around 140 ready-to-fire rounds in the turret (no manual handling necessary prior to firing) + available rounds in the storage compartment of the turret structure

Fast into action:

- Fire on-the-move capability
- Short reaction time from target detection to firing
- No specific alignment procedure between air surveillance sensors and gun system
- Mobile with very short encamp and decamp time

Full autonomy:

- Gun vehicle can operate autonomously, even when not linked to upper levels
- RAPIDFire Land is highly automated and man-in-the-loop is needed only for weapon engagement and firing order
- Manning: only 2 operators required to operate the system including the unmanned turret

Improved Survivability:

- High mobility
- Day and night operation
- Compatible integration onto a tactical protected vehicle

KEY FEATURES

Gun ammunition types:

40 mm gun has both air and ground defence capabilities with dedicated ammunition:

- 1 Two types of fused high energy General Purpose Round (GPR) ammunition:
 - Point Detonating (PD)
 - Air Burst (AB)
- 2 Armour Piercing Fin Stabilized Discarding Sabot (APFSDS) against armoured vehicle penetrates 140mm of Rolled Homogeneous Armour at 1500m
- 3 Training Practice (TP) for operator training purpose
- 4 Anti-Aerial Air Burst (A3B) for air targets, integrating hundreds of tungsten pellets



Gun effective range:

- Air Target (ammunition 4): up to 4000m
- Infantry Combat Vehicle: up to 2500m

Fire Control System:

- Gyro-stabilized gun
- Gyro-stabilized optronic sight: InfraRed + Daylight + Laser Range Finder
- The optronic sight enables:
 - Visual identification prior to engagement
 - Target tracking for engagement
 - Real time assessment of interception