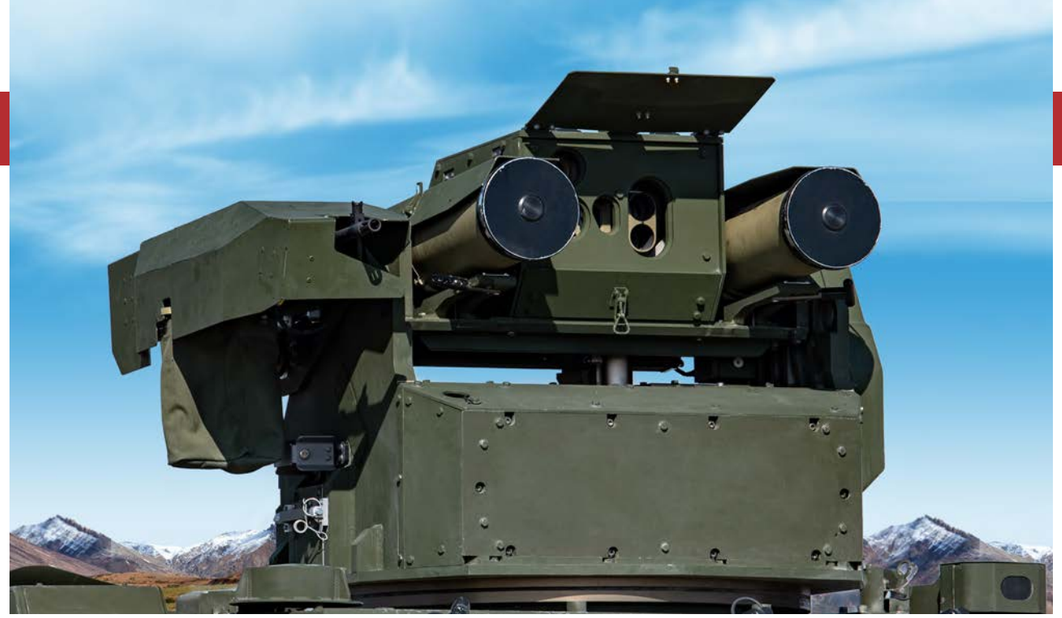

ARCT Technical Specifications

Data subject to change without notice.

GENERAL	
Turret Type	Remote Controlled
Main Armament	KORNET-E, MIZRAK-O, SKIF and other missiles
Secondary Armament (Coaxial)	7.62 mm MG
Traverse	360° Continuous
Stabilisation	Electric Drive with Two-Axis Stabilisation

SIGHT & FIRE CONTROL SYSTEM	
Gunner's Sight	Mid Wave or Long Wave Thermal Image Day Camera Laser Range Finder with 10,000 m Range
Fire Control Computer	Automatic Super-Elevation & Lead Angle Computation

WEIGHT & DIMENSIONS	
Total Weight	~600 kg

PROTECTION	
All Around Ballistic Protection	STANAG 4569 (Level Classified)

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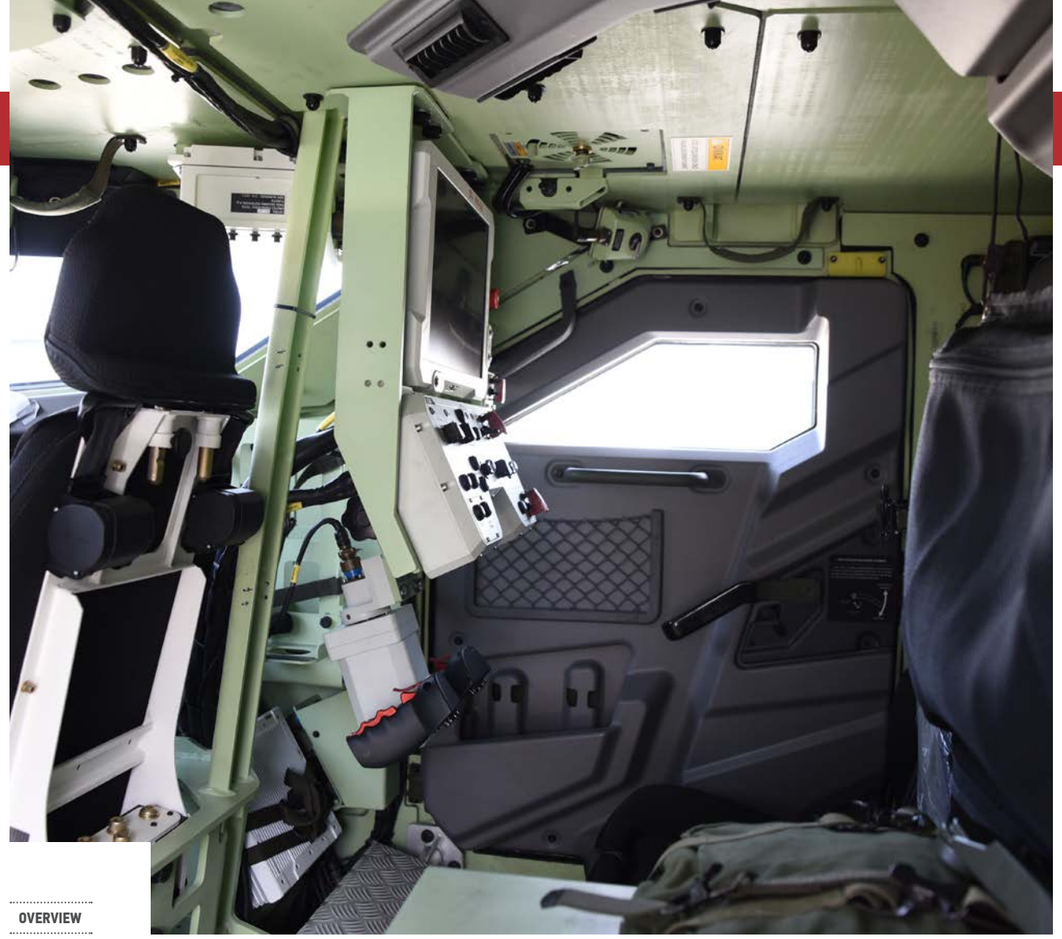
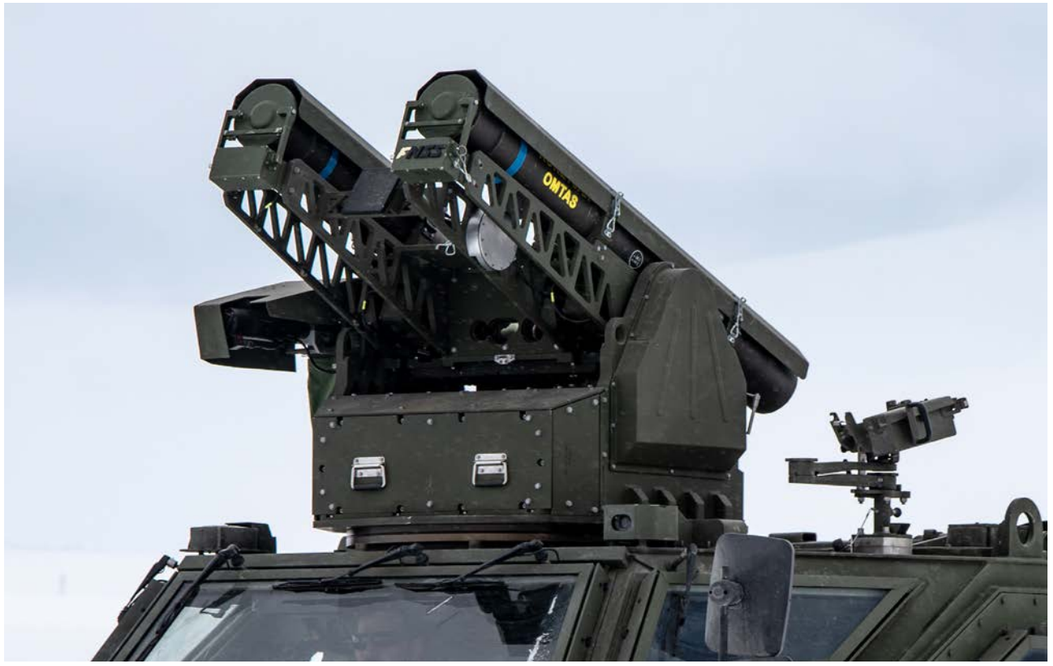
ARCT

ANTI-TANK REMOTE CONTROLLED TURRET



ARCT

ANTI-TANK REMOTE CONTROLLED TURRET

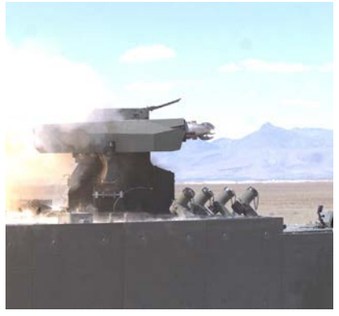


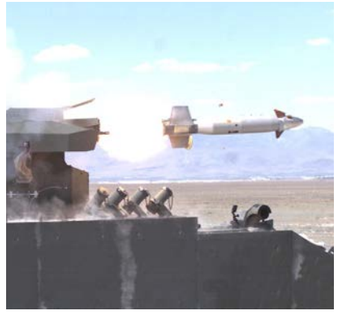
OVERVIEW

The ARCT was designed specifically for the anti-tank role from the very outset and has some important integrated features that turrets with add-on missile capability are lacking. The ARCT offers the best optimization for low silhouette, armour protection, ergonomics, easy conversion to tripod launch configuration and sighting system.

The ARCT can be equipped with either KORNET-E or OMTAS ATGM missiles. With the two missile systems requiring very different integration approaches, the ARCT is able to meet this challenging requirement through a modular design that relies on a common base structure and modular subsystems for each type of missile. Owing to its design, the ARCT is ready from the very outset for integration with different missiles, which grants the users substantial flexibility.

Unlike conventional manned turrets, the ARCT lacks a basket structure and is installed above the vehicle's roof. This increases the vehicle's internal useable volume, while the ARCT's low silhouette and weight enable its integration onto different types of armoured vehicles.





Capable of performing continuous 360 degrees traverse, the ARCT is armed with two anti-tank guided missiles along with a 7.62 mm coaxial machine gun. By means of its digital fire control system, the turret can automatically perform all the necessary ballistic calculations for achieving the highest hit probability, with both the missiles and coaxial machine gun. The gunner's sight system includes a new generation thermal camera, day camera, laser rangefinder and missile guidance electronics ensuring a highly effective use of the turret in day, night and under all weather conditions. In its very first firing test, the ARCT demonstrated its ability to score direct hits on targets even at the maximum range of its missiles. The platform's secondary armament serves to enhance the turret's firepower, and expands its mission range. Functions such as charging, firing, electrical extraction of empty MG cartridges can be carried out automatically from inside the vehicle. The turret is equipped with a digital electric gun turret drive system, and a two-axis stabilisation system to increase accuracy when firing on the move.

Survivability has been one of the primary focus areas of the design and the integrated armour solution provides the best protection with the lightest weight through the use of advanced armour materials. The gunner, using his control console inside the vehicle, can carry out surveillance; target detection, identification and missile lock-on and guidance functions, all the while remaining under ballistic protection. In the event of an emergency, mission batteries and the smart power distribution system inside the turret enable the use of the turret's drive system, firing functions and electro-optical systems independently of the vehicle's battery status, for increased mission endurance.

Watch the Video

Data subject to change without notice.