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AKERON, the new unique family of fifth-generation combat weapons

MBDA presents AKERON, a unique family of fifth-generation tactical combat missiles, a quantum leap from the third and fourth generation weapons currently available on the market. This family includes the MMP and MHT missiles, now renamed AKERON MP and AKERON LP respectively.

With AKERON, MBDA is now offering a family of missiles that can adapt to the needs of collaborative tactical combat.

Today's combat units operate in a variety of complex environments. These can be urban areas, open countryside, deserts or mountains, during the day or at night; and can also feature a combination and/or variety of forces, both allied and adversary. To respond to the wide range of threats they face, operators must be equipped with a versatile and precise capability enabling them to destroy fixed or mobile land targets – including the latest-generation tanks and light combat vehicles – but also neutralize dismounted adversaries or adversaries in hardened or defensive fighting positions. All whilst minimizing the risk of collateral damage. Operators also need to be protected during engagements with simplicity of implementation, the capacity to "fire and forget" or engage a target while remaining hidden from sight.

Designed for these operational realities, the AKERON family of missiles incorporates the latest technologies in terms of high-resolution multi-band imagers, multi-effect warheads (anti-tank, anti-infrastructure, anti-personnel), data links, and multi-mode guidance algorithms based on AI techniques. All ensuring robust and precise guidance at any distance, in all conditions. Each has their own specifications in order to be perfectly adapted to the missions of the combat units and platforms using them.

Operators thus have the broadest spectrum of tactical options to deal with their targets, thanks to the many possible modes of engagement. These include 'fire and forget', human-in-the-loop, locking the target before firing (LOBL), or locking on after firing (LOAL), which facilitates firing beyond line of sight (BLOS).

The missiles of the AKERON family meet current and future operational needs for dismounted combat as well as from land, air (helicopter, UAV) and even naval platforms. They are also ideal for integration into the digital environment of the battlefield, and suited for collaborative combat.

About MBDA:

MBDA is the only European defence group capable of designing and producing missiles and missile systems that correspond to the full range of current and future operational needs of the three armed forces (land, sea and air).

With a significant presence in five European countries and within the USA, in 2021 MBDA achieved revenue of 4.2 billion euros with an order book of 17.8 billion euros. In total, the group offers a range of 45 missile systems and countermeasures products already in operational service and more than 15 others currently in development.

MBDA is jointly owned by Airbus (37.5%), BAE Systems (37.5%), and Leonardo (25%).

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