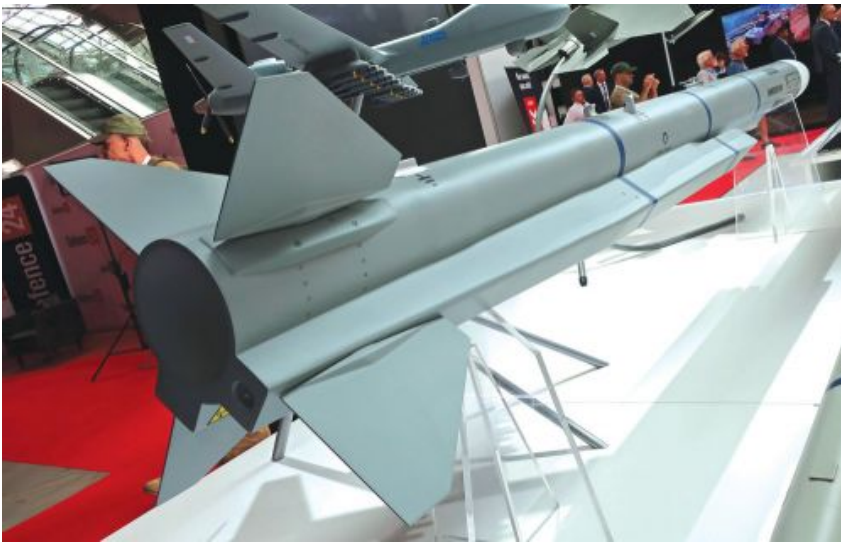


Meteor for Polish Air Force?

#Imprezy branżowe #Nowe technologie #Przemysł zbrojeniowy 6 września 2024

In modern air warfare, the advantage is gained by those who detect the enemy earlier (from a greater distance) and use weapons outside the enemy's weapon range. MBDA meets these requirements with its beyond-visual-range air-to-air missile (BVRAAM) Meteor. Having weight of 190 kg and 3.65 m long missile is powered by a ramjet engine that allows it to maintain Ma4 speed throughout its full flight path.



The Meteor missile is fully integrated with JAS-39 E/F Gripen, Eurofighter Typhoon and Dassault Rafale aircraft, among others. Integration with the F-35A and F-35B is also underway

Meteor has a maximum range of 200 km. It uses active radar homing and has a fragmentation warhead activated by an impact or proximity fuse.

MBDA Meteor is fully integrated with, among others, JAS39 E/F Gripen, Eurofighter Typhoon and Dassault Rafale multirole fighters. What is important from the Polish point of view, work is currently underway to integrate the missile with 5th generation F-35 stealth multirole fighter. The program partners have shared competences. Integration work on the F-35A CTOL aircraft is being carried out in Italy, and those on the F-35B STOVL – in United Kingdom.

The purchase of 32 F-35As by Polish Air Force creates new opportunities. After the final, successful completion of integration, it will be possible to expand the current ordnance of Lightning II with European Meteors. There is no doubt that the Meteor will enable a significant increase in the combat capabilities of the Polish F-35s, which will be able to defeat potential enemy aircraft from greater distance.

The possible purchase of two more squadrons of multi-role fighters for the Polish Air Force also opens up interesting prospects for MBDA. Two aircraft are currently being considered – the European Typhoon and the American F-15EX. In the case of the European fighter, the matter is simple – the Meteor is fully integrated with the Typhoon and is in the service of countries operating the Eurofighter. However, when it comes to

use it with the F-15EX, MBDA emphasizes that such integration is absolutely possible, as long as there is an appropriate order from the operator of these aircraft. The combination of an effective carrier, such as both the F-15EX and the Typhoon, with the Meteor missile, which has a long range and good kinetic characteristics, takes the concept of military deterrence in airspace to a new level.



The use of the Meteor with a range of 200 km and an efficient jet propulsion allows for a significant increase in the combat capabilities of the aircraft / Photos: Dawid Kozdra

© Wszelkie prawa
zastrzeżone, 2007-2026 Altair Agencja Lotnicza Sp. z o. o