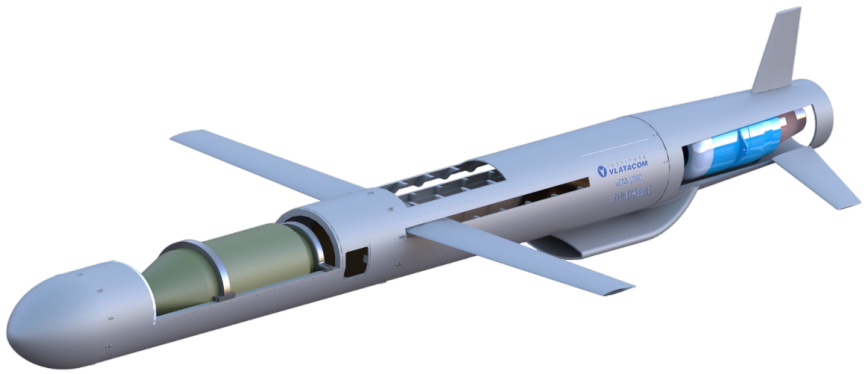
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DEVELOPMENT

VILA 1

Heavy loitering munition / cruise missile



VILA 1 is a sophisticated and complex ground to ground weapon system based on modular concept of unmanned aerial vehicle/cruising missile for action against the enemy at middle and long ranges in conditions of complex air defense.
Modular concept enables the use of different types of guidance and various types of warheads according to target category.
VILA 1 warhead is equipped with vAF-M17/vFI-17 fuzing system. Basic guiding principles are: programmed flight to target area based on GNSS/INS technology and radar altimeter, guidance based on optoelectronic system and two-way radio data link in target area, guidance based on optoelectronic system supported by artificial intelligence and autonomous target recognition.
Missile is launched from a tube integrated on a vehicle chassis with 8x8 drive to support all types of terrain use. Launching tube can also be integrated on operating war ships with adequate characteristics. Missile is launched with solid fuel booster motor and turbo fan/turbo jet engine enables propulsion for cruise/march phase of the mission. The weapon has loitering capabilities.

TECHNICAL SPECIFICATIONS:

- Length: 5,5 m (without booster)
- Wingspan: 2,7 m
- Operating height: 50 m up to >7000 m
- Cruise speed: 0.75 M
- Warhead: 300-450 kg
- Propulsion: turbo fan /turbo jet engine
- Start: with help of booster motor from launching tube
- Range: ≤300 km (+ Loitering function)
- Guidance system: Modular