

SURFACE-TO-AIR



Less than a month after the T38 Stilet posed for the Jane's camera in the winter snows of Minsk, it was due to appear in the warmer climate of the United Arab Emirates. Miroslav Gyürösi: 1331769

T38 Stilet to be displayed at IDEX 2011

DOUG RICHARDSON

The T381 combat vehicle of the Tetraedr Stilet self-propelled air-defence missile system will be displayed at the IDEX 2011 defence exhibition in the United Arab Emirates on 20-24 February - the system's first appearance outside Belarus.

Although Stilet is based on the Soviet-era 9K33M2/3 Osa-AK/AKM mobile SAM system, the only parts of the original that have been reused are the antennas and the missile-carrying turret. The Tetraedr system uses a new wheeled chassis and electronics, redesigned crew positions and custom-designed missiles.

The system's SOTs surveillance radar and SSTs guidance radar are digitised, as are the SVR

two-channel missiles tracking and SPK two-channel missile uplink subsystems.

Tetraedr and Ukrainian company Luch have collaborated on the system's T382 two-stage missile, whose first ballistic-round test firing is expected to take place in Belarus in mid-2011.

The missile uses a wide-diameter booster but unlike the visually similar 57E6-E (95Ya6) Russian Pantsir-S1 system has a rocket motor in the second stage that ignites at a pre-programmed point in the flight in order to maximise end-game manoeuvrability.

Potential customers who have stocks of the 9M33M2/3 missiles from the Osa system will be able to use these on the Stilet. The new vehicle

can use either type of missile or can be loaded with a mix of the two types.

There is a synergy between the T38 Stilet and Tetraedr's A3 system. One system can be used as a testbed for a feature first planned for the other and it is possible that the newly applied solution may be used in both weapon systems.

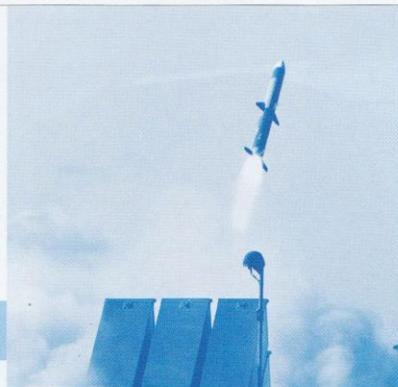
There is a similar cross-fertilisation with other Tetraedr programmes. The company's earlier Osa-1T upgrade package uses a cryogenically cooled thermal camera with a startup time of almost eight minutes, but will now be able to use a new bolometric uncooled camera with a startup time of about 30 seconds that forms part of the A3 gun/missile system. ●

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